

01265/24

DATED 13 January 202~~4~~5

SUFFOLK COUNTY COUNCIL (1)

- and -

TOTAL PEACH LIMITED (2)

AGREEMENT

made pursuant to Sections 278 of the Highways Act 1980
and any other enabling power
relating to the development of land off
Mill Road, Kedington, Suffolk

Nigel Inniss
Head of Governance
Suffolk County Council
8 Russell Road Ipswich
Suffolk IP1 2BX

Ref: AW/80595

SECTION 278 AGREEMENT
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THIS AGREEMENT is made the 13th day of January 20215
BETWEEN the following parties :-

- (1) **SUFFOLK COUNTY COUNCIL** of Endeavour House, 8 Russell Road, Ipswich, Suffolk, IP1 2BX ("the **County Council**"); and
- (2) **TOTAL PEACH LIMITED** (company number 06428890) whose registered office address is: Bridgehill Farm, Thakeham Road, Coolham, Horsham, England, RH13 8QD ("the **Developer**")

RECITALS AND DEFINITIONS

- (A) In this Agreement unless the context otherwise requires the following words shall have the following meanings :-

"1980 Act"	Means the Highways Act 1980 (as amended)
"Approved Contractor"	Means the contractor(s) approved by the County Council for carrying out the Highway Works of the value and complexity proposed
"Approved Sub-Contractor"	Means the sub-contractor(s) approved by the County Council for carrying out the Highway Works of the value and complexity proposed
"CDM Regulations"	Means the Construction (Design and Management) Regulations 2015 (SI 2015/51)
"Certificate of Final Completion"	Means any of the certificates referred to in paragraph 15.3 of Schedule I
"Certificate of Substantial Completion"	Means any of the certificates referred to in paragraph 14.2 of Schedule I
"Commuted Sums"	Means the sum of £11,110.21 (eleven thousand, one hundred and ten pounds and twenty-one pence) which is calculated, as set out in paragraph 18.1 on Schedule I towards the cost of the County Council's future maintenance liability of the Highway Works

“Contract”	Means the contract or contracts in respect of each and all of the Highway Works
“Contractor”	Means the contractor or contractors who have been awarded the Contract to execute the Highway Works. For the avoidance of doubt the aforementioned definition does not include any subcontractor
“Development”	Means the development to be carried out pursuant to the Permission
“Director”	Means the County Council’s Executive Director of Growth, Highways and Infrastructure or other officers of the County Council acting under his hand
“Highway Works”	Means the works collectively or individually as the context requires which are set out in Schedule III of this Agreement and shown in the Works Drawings
“Highway Structure”	Means any bridge, subway, culvert, pipe, tunnel, or other structure built in, over, under or adjacent to any part of the highway
“Performance Bond”	Means the bond with the Performance Bond Surety for each and all of the Highway Works, such bond to be in the form set out in Schedule II.A, to the effect that should the Developer default in the execution of its obligations to carry out the Highway Works and to maintain the same in accordance with the provisions of this Agreement then the County Council will call upon the Performance Bond Surety to provide the full value of the Performance Bond (subject to the provisions hereinafter contained) to carry out the Highway Works and maintain the same as aforesaid
“Performance Figure”	Means the sum of £38,500.00 (thirty-eight thousand and five hundred pounds) being the Tender Sum plus 10 per cent in respect of the Highway Works and as set out in each of the Contracts
“Performance Bond	Means National House-Building Council (Company number

Surety"	00320784)
"Permission"	Means the outline planning application granted by West Suffolk Council dated 26 January 2021, granted with reference number DC/14/1751/OUT and reserved matters application granted by West Suffolk Council dated 23 June 2022 granted with reference number DC/21/2490/RM in respect of the Site together with any modification
"Road Safety Audit"	Means the evaluation of each and all of the Highway Works during design and at the end of construction to identify potential road safety problems that may affect any users of the highway and to suggest measures to eliminate or mitigate those problems in accordance with the Department for Transport standards or by the County Council, as agreed by the Director
"Site"	Means the land situated off Mill Road, Kedington, Suffolk shown edged red for identification only on the attached Site Location Plan reference 9023/01
"Specification"	The County Council's "Specification for Estate Roads" dated May 2007 (or later amendment current at the date of this Agreement) so far as this is consistent with the Works Drawings and description in Schedule III (subject to any variations agreed in writing by the Director)
"Sub-contractor"	Means the sub-contractor(s) working for the Contractor(s) who have been contracted to execute the Highway Works
"Substantial Completion"	Means complete to the reasonable satisfaction of the Director and so that the Highway Works can be used for the purpose and operate in the manner for which they were designed
"Technical Standards"	Means the standards necessary to ensure complete conformity with all UK primary and secondary legislation (including by-laws), all guidance standards and codes of practice issued by the Department for Transport, the County Council, statutory undertakers and relevant professional institutes, the Road Safety Audit and any formal instructions

issued by the Director from time to time during the design and implementation of the Highway Works and for the avoidance of doubt this shall include the Traffic Signs Regulations and the General Directions 2016 and BS5489 in relation to the design of any street lighting

“Tender Sum” Means the sum of £35,000.00 (thirty-five thousand pounds) (including the costs associated with statutory undertakers work and traffic management) agreed by the Director for carrying out the Contract by the Contractor

“Works Drawings” Means the attached drawings bearing the numbers referred to in Schedule IV or any subsequent revision of them which has been approved or requested by the Director and which relate to the Highway Works

(B) In this Agreement unless the context otherwise requires :-

- (i) Words importing the singular meaning where the context so admits include the plural meaning and vice versa; and
- (ii) Words of the masculine gender include the feminine and neuter genders and words denoting actual persons include companies, corporations and firms and all such words shall be construed interchangeably in that manner; and
- (iii) “party” or “parties” means a party or parties to this Agreement; and
- (iv) references to any party shall include the successors in title and assigns of that party; and in the case of the County Council the successors to its statutory functions; and
- (v) where a party includes more than one person any obligations of that party can be enforced against all of them jointly and severally unless there is an express provision otherwise; and
- (vi) the headings and contents list in this Agreement shall not form part of or affect its construction; and
- (vii) references to clauses schedules and paragraphs are references to clauses in and schedules to this Agreement and paragraphs in schedules to this Agreement; and

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- (viii) where a party or any officer or employee is required to give its consent approval or agreement to any specific provision in this Agreement such consent approval or agreement shall not be unreasonably withheld or delayed; and
- (ix) any mention herein of any act or of any section regulation or statutory instrument shall be deemed to refer to the same source as at any time amended and where such act section regulation or statutory instrument has been replaced consolidated or re-enacted with or without amendment such mention shall be deemed to refer to the relevant provision of the updating consolidating or re-enacting act or section or regulation or statutory instrument
- (C) The County Council is the highway authority (except for trunk roads) for the purposes of the 1980 Act for the area within which the Site is situated and the Highway Works will be carried out
- (D) The Developer has the benefit of the Permission
- (E) The Developer is the registered proprietor with title absolute of the Site in so far as it is registered at the Land Registry under Title Numbers SK221340 and SK261082, and with title possessory under Title Number SK411407.
- (F) Having regard to the development plan and other material considerations the County Council considers it expedient in the interests of the proper planning of their area that the Highway Works need to be carried out to facilitate the Development and that entering into this Agreement will be of benefit to the public

NOW THIS DEED WITNESSES as follows:-

1 LEGAL EFFECT

- 1.1. This Agreement and the covenants that appear hereinafter are made pursuant to Sections 278 of the 1980 Act, Section 111 of the Local Government Act 1972 and Section 1 of the Localism Act 2011 and all other enabling powers to the intent that the provisions of this Agreement shall bind the Site and the parties hereto and all persons deriving title through or under them

- 1.2. This Agreement is a Deed. Any financial default under this Agreement will be registered as a Local Land Charge under section 278(5)(c) of the 1980 Act
- 1.3. No waiver (whether express or implied) by the County Council of any breach or default by the Developer in the performance or observance of any of the covenants, terms or obligations in this Agreement shall constitute a continuing waiver and no such waiver shall prevent the County Council from enforcing any of the covenants, terms or obligations or from acting upon any subsequent breach or default in respect thereof
- 1.4. Any provision of this Agreement which is or may be unlawful void or unenforceable shall to the extent of such unlawfulness invalidity or unenforceability be deemed severable and shall not affect any other provision of this Agreement
- 1.5. This Agreement is governed by and interpreted in accordance with English law and shall be determined in the Courts of England

2 NOTICES

- 2.1. Any notices or other written communication to be served or given by one party upon or to any other party under the terms of this Agreement shall be deemed to have been validly served or given if delivered by hand or sent by recorded delivery post or sent by the DX service to the party upon whom it is to be served or to whom it is to be given or as otherwise notified for the purpose by notice in writing provided that the notice or other written communication is addressed and delivered by hand or by recorded delivery post or by the DX service to the address of the party concerned as nominated in sub-clause 2.2. below
- 2.2. The address for any notice or other written communication in the case of each party to this Agreement shall be as follows:-

The County Council	Suffolk County Council, Endeavour House, 8 Russell Road, Ipswich, IP1 2BX marked for the attention of the Assistant Director of Governance, Legal and Assurance (or where the
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context requires, the Executive Director of Growth, Highways and Infrastructure, Endeavour House, 8 Russell Road, Ipswich, IP1 2BX)

The Developer

Total Peach Limited, Bridgehill Farm Thakeham Road, Coolham, Horsham, England, RH13 8QD marked for the attention of the Managing Director

- 2.3. Any notice or other written communication to be given by the County Council shall be deemed to be valid and effective if on its face it is signed on behalf of the County Council by a duly authorised officer

3 GENERAL

- 3.1. All works and activities to be carried out under the terms of this Agreement (including for the avoidance of doubt such works as are of a preparatory ancillary or of a maintenance nature) are (save where expressly provided otherwise) to be at the sole expense of the Developer and at no cost to the County Council
- 3.2. All consideration given and payments made in accordance with the provisions of this Agreement shall be exclusive of any VAT properly payable in respect thereof and in the event of VAT becoming chargeable at any time in respect of any supply made in accordance with the terms of this Agreement then to the extent that VAT had not previously been charged in respect of that supply the person making the supply shall raise a VAT invoice to the person to whom the supply was made and the VAT shall be paid accordingly
- 3.3. The County Council and their respectively duly authorised officers and agents may enter upon the land on which the Highway Works are being carried out at any reasonable time to ascertain whether the terms of the Agreement are being or have been complied with

4 ARBITRATION

- 4.1. Any dispute or difference arising between the parties as a result of this Agreement may be referred to the arbitration of a single arbitrator to be agreed upon between the parties or failing agreement within fourteen days after either of the parties has given to the other a written request requiring the appointment of an arbitrator, to a person to be appointed at the request of either of the parties by the President for the time being of The Institution of Civil Engineers
- 4.2. Any reference to arbitration shall be undertaken in accordance with and subject to the provisions of the Arbitration Act 1996 save as follows:-
- (a) the seat of the arbitration shall be at the County Council's offices in Ipswich Suffolk
 - (b) where appropriate the arbitrator may consolidate arbitral proceedings
 - (c) with the parties' agreement the arbitrator may appoint experts or legal advisers
- 4.3 A party wishing to refer any such dispute or difference to arbitration shall notify the other party in writing of such intention without delay
- 4.4 The arbitrator shall act as a referee and not as an expert except in any case where the parties to a dispute or difference agree on the arbitrator when such parties may also agree that such arbitrator shall act as an expert
- 4.5 Subject to Sections 67, 68 and 69 of the Arbitration Act 1996 the parties agree to be bound by the decision of the arbitrator

5 COVENANTS

- 5.1 The Developer covenants and warrants to the County Council that they have full power to enter into this Agreement and there is no other person having a charge over or any other interest in the Site whose consent is necessary for the Developer to enter into this Agreement

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- 5.2 The Developer hereby covenants and undertakes with the County Council that from the date of this Agreement it will (unless otherwise agreed by the County Council) carry out and comply with the obligations set out in Schedule I and the details set out in Schedules III and IV hereto
- 5.3 The County Council without prejudice to its statutory powers and duties hereby appoints the Developer to act as its agent and gives to the Developer licence (in so far as is reasonably necessary for the Developer to perform the obligations under the terms of this Agreement) to enter into and upon and remain upon the highway to carry out the construction of the Highway Works within the timescales referred to in Schedule III hereto or such other period as may be agreed in writing by the Director, provided that this licence shall not extend to the Developer's successors in title or assigns unless otherwise agreed in writing by the Director prior to that successor or assignee commencing work in the public highway
- 5.4 The Developer covenants with the County Council not to commence the Highway Works set out in Schedule III unless road space has first been booked with the County Council
- 5.5 The Developer covenants with the County Council as highway authority to give written notice not less than three calendar months prior to works commencing, in order that the County Council as highway authority has sufficient time to ensure that the commencement of works will cause the least disruption possible to road users and the County Council reserves the right to refuse consent and/or to stop or require the stopping of works under the terms of this Agreement and relevant legislation where the aforesaid notice period is not complied with
- 5.6 The Developer covenants with the County Council as highways authority to comply with the provisions of the New Roads and Street Works Act 1991, the Traffic Management Act 2004 and any amendments thereof

6 Not used.

7 THIRD PARTY RIGHTS

- 7.1 It is hereby agreed and declared that the provisions of Contracts (Rights of Third Parties) Act 1999 shall not apply to this Agreement

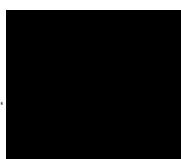
8 LAPSE

8.1 If the Highway Works have not been commenced within one (1) year from the date of this Agreement, save as this period is otherwise extended in writing by the Director at his discretion, then this Agreement shall lapse and be of no further effect (save to the extent already complied with) and the Developer agrees to pay to the County Council any costs properly incurred by the County Council prior to the lapse of this Agreement (which have not already been paid) including but not limited to those costs set out in paragraph 19 of Schedule I to this Agreement

8.2 Where, in accordance with clause 8.1 above the Director, at his discretion, agrees in writing to an extension to the period of one (1) year after which this Agreement shall lapse, this Agreement shall lapse at the end of such period as agreed in writing by the Director where the Highway Works have not been commenced by the expiry of that extension period

In witness whereof this Agreement has been executed and delivered as a Deed on the date first written above

The COMMON SEAL of)
SUFFOLK COUNTY COUNCIL)
was hereunto affixed)
in the presence of)

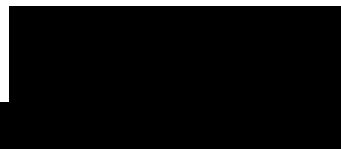


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sed Officer



EXECUTED AS A DEED by TOTAL PEACH LIMITED
acting by a director, in the presence of:

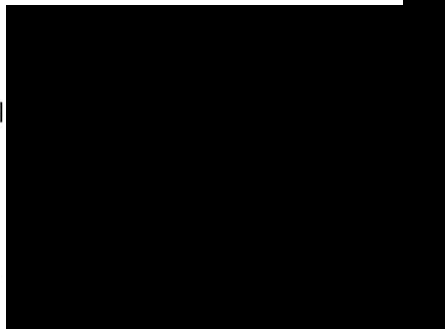
Director:



Witness's signature:

Witness's name (PRI

Witness's address:



SCHEDULE I

1 THE DESIGN OF THE HIGHWAY WORKS

1.1 The design of the Highway Works shall be to the satisfaction of the Director with due consideration of the Technical Standards

1.2 No work on any of the Highway Works shall commence and no Contract for their construction shall be let until

1.2.1 full details of the design of the Highway Works to be commenced in the form of plans, drawings, specifications and other materials have been submitted to the Director together with the name of the principal designer (whom the Developer shall appoint for the full duration of the design and construction of each and all of the Highway Works) in accordance with the CDM Regulations and any codes of practice referred to therein

1.2.2 the Director has given his written approval to the Highway Works to be commenced and such approval shall not be given if the said plans, drawings, specifications and other documentation have not adequately addressed the issues raised in the pre-construction stages of the Road Safety Audit process, and if given shall lapse if the Highway Works are not commenced within one (1) year of the date of the said Director's approval

1.2.3 preliminary proposals, detailed contract drawings, schedules and specifications for any Highway Structures have been prepared by the Developer and submitted for written approval to the County Council's Structures Team in accordance with the Department for Transport Document BD2/12 and the structural design and checking procedure has been carried out by an incorporated or chartered engineer familiar with the Department for Transport Codes of Practice and who is experienced in the design of Highways Structures. The documents are to be agreed as applicable with the Director before the design is commenced and details are submitted for approval

1.3 If the Director does not propose to give his approval in relation to those matters referred to in paragraph 1.2 of this Schedule he shall in each

case as soon as possible in writing inform the Developer and if the Director requires amendments or additions to the plans drawings specifications and other materials referred to in paragraph 1.2 of this Schedule these amendments shall be undertaken by the Developer at his own expense and a revised set of updated documents shall be re-submitted to the Director for his approval

- 1.4 Without prejudice to paragraph 1.2 of this Schedule, the Director shall not give his approval as referred therein until the Developer has paid the sum referred to in paragraph 19.1.3 of this Schedule towards the cost of checking the design of the Highway Works and inspecting the Highway Works. The Highway Works at all times shall be carried out in accordance with the plans, drawings, specifications and other materials which have received the Director's approval referred to in paragraph 1.2 of this Schedule and the Developer shall in the execution of the Highway Works comply or ensure that the Contractor complies with the Technical Standards

2 LETTING OF THE CONTRACT

- 2.1 No Contract shall be let until all traffic management measures have been prepared by the Developer and approved in writing by the Director ("the approved programme") and thereafter each of the Contracts will be offered to an Approved Contractor
- 2.2 The Contract to be let under paragraph 2.1 of this Schedule shall be let under NEC3 suite of contracts (and any amendments thereto shall be approved by the Director) and the Developer shall obtain the agreement of the Contractor to be bound by the agreed drawings in Schedule IV
- 2.3 The Contract shall be awarded by the Developer subject to the Director having first given his written approval to the proposed chartered engineer(s) or other suitably qualified person(s) who shall be independent of the Contractor and will supervise the execution of the Highway Works by the Contractor
- 2.4 The Developer shall not award the Contract unless the Approved Contractor and the Approved Sub-Contractor/s concerned are insured throughout the period of the Contract (such period to include the maintenance period detailed in paragraph 15.1 of this Schedule) for

public liability risks in the sum of at least ten million pounds (£10,000,000) in respect of any single claim and the Developer shall ensure that the Contractor remains so insured throughout the period of the Contract and prior to the commencement of each or all of the Highway Works or any maintenance works carried out in accordance with paragraph 15.1 of this Schedule, the Developer shall produce to the Director insurance policies fully covering the Developer's liability in respect of the matters set out in this Agreement

- 2.5 The Developer shall not sub-contract or assign the Contract without the written approval of the Director and any sub-contractor shall be an Approved Sub-Contractor

3 INSPECTION OF THE HIGHWAY WORKS

- 3.1 The Developer shall provide the Director with not less than twenty-four (24) hours, nor more than seventy-two (72) hours, notice (excluding weekends and bank holidays) of any intended execution of the Highway Works specifying the tasks to be carried out in accordance with the approved programme referred to in paragraph 2.1 of this Schedule
- 3.2 Without prejudice to the approved programme the Developer shall notify the Director in writing at least twenty-eight (28) days prior to the commencement of any work connected with statutory undertaker's equipment
- 3.3 Without prejudice to the approved programme the Developer shall notify the Bridge Office and the Director, in writing at least seventy-two (72) hours prior to the commencement of each and every stage of excavation and concrete operations associated with any Highway Structures
- 3.4 The Developer shall during the progress of each and all of the Highway Works give to or procure for the Director and any person or persons duly authorised by him free access to every part of the Highway Works and the Site and permit him or them to inspect the same as they proceed and all materials used or intended to be used therein and shall give effect to any reasonable and proper requirements made or reasonable and proper directions given by the Director to conform to the approved detailed plans Works Drawings and specification referred to in paragraph 1.2 of this Schedule

3.5 The Developer shall not cover up or put out of view any works forming part of the Highway Works without the approval of the Director and shall afford full opportunity for the Director to examine and measure any work which is about to be covered up or put out of view and to examine foundations before permanent work is placed thereon and shall give at least seventy-two (72) hours' notice to the Director whenever any such work or foundations is or are ready or about to be ready for examination

3.6 The Director shall without unreasonable delay, unless she considers it unnecessary and advises the Developer accordingly, attend when required by the Developer for the purpose of examining such works or of examining such foundations

3.7 The Director shall for the purposes of paragraphs 3.1 to 3.6 be allowed reasonable access and admission to the Highway Works or the places where materials or plant for the Highway Works may be stored or in the course of preparation manufacture or use (unless such access or admission is refused due to circumstances beyond the control of the Developer)

4 TESTING OF MATERIALS

4.1 The Developer shall reimburse the County Council for all reasonable costs and expenses whatsoever arising from the operation of paragraphs 4.2 to 4.5 of this Schedule

4.2 The Director shall require the testing of materials plant and workmanship used or proposed to be used in the Highway Works and in his reasonable discretion have the power to reject any materials plant or workmanship so tested which he may reasonably and properly find to be not in accordance with the approved detailed plans Works Drawings and specification referred to in paragraph 1.2 of this Schedule and in relation to Highways Structures the Director will require a schedule of testing to be agreed prior to the commencement of works or any part thereof

4.3 The Developer shall as soon as is reasonably practicable replace or repair any materials plant or workmanship which have been found to be not in accordance with the approved detailed plans Works Drawings and specification referred to in paragraph 1.2 of this Schedule

4.4 The Director shall for the purposes of paragraphs 4.2 to 4.5 be allowed reasonable access and admission to the Highway Works or the places where materials or plant for the Highway Works may be stored or in the course of preparation manufacture or use (unless such access or admission is refused due to circumstances beyond the control of the Developer)

4.5 The Developer shall as soon as is reasonably practicable remove such materials and plant as are rejected by the Director pursuant to paragraph 4.2. of this Schedule which are not capable of repair or remedy from the Site and if the Developer shall wish to continue to store such rejected materials and plant on the Site they shall be stored separately from those materials and plant which have not been so rejected or which the Developer shall wish in future to use in execution of the Highway Works

5 OPENING OF THE HIGHWAY WORKS

5.1 During the construction of each and all of the Highway Works and prior to the issue of the Certificate of Substantial Completion:

- (a) the Director may issue instructions to the Developer to open or expose any of the Highway Works which has been covered up without previously being inspected by the Director
- (b) should the Developer fail to comply with any such instructions the County Council may so take up or expose the relevant part of the Highway Works causing as little damage or inconvenience as is possible in respect of any other part or parts of the Highway Works the reasonable and proper cost of such taking up or exposure and reinstatement to be met by the Developer

PROVIDED THAT if the Highway Works or any part or parts thereof are covered up by the Developer after giving the notice referred to in paragraph 3.5 of this Schedule and the Director shall have failed to inspect in the period therein referred to and the Director shall subsequently require the Highway Works or any part of them to be uncovered for the purposes of inspection:-

- (a) if inspection reveals the relevant part or parts of the Highway Works to have been completed in accordance with the approved detailed plans drawings and specification referred to in paragraph 1.2 of this

Schedule all costs in respect of such uncovering and inspection and of reinstating the part or parts of the Highway Works uncovered shall be borne by the County Council; or

- (b) if inspection reveals the relevant part or parts of the Highway Works not to have been completed in accordance with the approved detailed plans drawings and specifications referred to in paragraph 1.2 of this Schedule all reasonable and proper costs in respect of uncovering and inspection and of reinstating the part or parts of the Highway Works uncovered shall be borne by the Developer

6 UNDERTAKERS

6.1 Insofar as the County Council as Highway Authority is required by any legislation regulation direction or code of practice (including in particular but without prejudice to the generality of the foregoing the New Roads and Street Works Act 1991) to serve a notice or notices in respect of the Highway Works on undertakers or other persons the Developer shall comply with such requirement on behalf of the County Council before the Highway Works commence and shall thereafter assume on behalf of the County Council such responsibilities as follow on therefrom in particular during the construction of the Highway Works and prior to the issue of the Certificate of Substantial Completion the Developer shall also:-

- (a) carry out or procure the carrying out of such works and activities in regard to the plant and equipment of undertakers as are required by undertakers in accordance with their statutory powers under the New Roads and Street Works Act 1991 as a result of the construction or intended construction of each and all of the Highway Works
- (b) cause all public sewers, highway drains gas and water mains electric cables and telecommunications ducts or other apparatus which are to be laid by the Developer under the Highway Works together with all necessary connections from them to the boundary of the Highway Works to be laid so far as is practicable under the Highway Works before the foundation of the Highway Works are laid and shall also in so far as is practicable cause the connections

from electric cables to any street lamp to be laid before the paving of the footways comprised in the Highway Works is carried out

- (c) cause all trench works within the highway to be backfilled and reinstated in accordance with the Specification for the Reinstatement of Openings in the Highway as determined from time to time under the New Roads and Street Works Act 1991
- (d) not at any time give consent to the erection by any telecommunications operator of telegraph poles or telephone poles or to the erection by any statutory undertaker or public or private company firm or individual of any over ground or underground equipment without the consent in writing of the Director

7 PROTECTION OF THE PUBLIC

7.1 The Developer shall give due consideration to adjoining owners and occupiers at all times and shall organise activities relating to the Highway Works in such a manner as to cause the least practicable disruption

7.2 Prominent notices shall be displayed and maintained around the perimeter of the site of each and all of the Highway Works to warn the public of the dangers of entering the Site

7.3 The Developer shall nominate a member of the site management team as the contact point for the Director in the event of an emergency and shall advise a daytime and twenty-four (24) hour contact number to the Director for the same purpose

7.4 The Developer shall take or procure the taking of all necessary steps to avoid creating a nuisance from noise and in particular:

7.4.1 the Developer shall afford all reasonable facilities to enable the Director to carry out such site investigations as she may deem necessary in order to determine noise emission levels

7.4.2 all vehicles and plant including compressors shall be fitted with effective silencers and acoustic covers as appropriate and maintained in good working order and all static plant shall be located to minimise nuisance to persons living or working in the vicinity

7.4.3 all portable traffic signals and pumps shall be operated from mains electricity unless otherwise agreed with the Director

7.4.4 noisy activities shall not be permitted on Sundays and Bank Holidays and except as agreed in writing by the Director shall not be permitted outside the hours of 9.30 a.m. to 4.30 p.m. Monday to Friday and 9.30 a.m. to 1 p.m. on Saturdays

PROVIDED THAT if in the reasonable opinion of the Director the Developer is not dealing adequately with the control of noise the Developer shall carry out or procure the carrying out of such additional measures as the Director considers necessary at the Developer's expense

7.5 Compliance with the provisions of paragraph 7.4 shall not relieve the Developer of any of his obligations and liabilities under this Agreement the Control of Pollution Act 1974 or the Environmental Protection Act 1990

7.6 The Developer shall take or procure the taking of all necessary steps to avoid creating a nuisance from dust and as far as practicable works are to be carried out in such a way that dust is kept to a minimum PROVIDED THAT if in the reasonable opinion of the Director the Developer is not dealing adequately with the control of dust the Developer shall carry out or procure the carrying out of such additional measures as the Director considers necessary at the Developer's expense

7.7 The Developer shall arrange the regular removal of refuse likely to encourage vermin and arrange for suitable secure storage containers to be provided for collection

7.8 The Developer shall keep a log book on site to record all complaints received from the public and the action taken in response and the log book shall be available for inspection by the Director

8 PREVENTION OF MUD BEING CARRIED ON THE PUBLIC HIGHWAY

8.1 Provision shall be made at the Site to limit in so far as is practicable the amount of mud dust and other materials carried on to adjacent public highways by vehicles and plant leaving the Site

8.2 The Developer shall keep or procure the keeping of all roads footpaths rights of way and other means of passage leading to or from or crossing the Site free from mud slurry or other hazardous substances that are deposited through the construction of the Highway Works and any such substance so deposited on any such road footpath right of way or other means of passage shall be promptly removed by or at the direction of the Developer

8.3 The Director may close any associated crossings entrances and exits if such substances deposited are not promptly removed by the Developer and any losses or expenses incurred as a result shall be borne by the Developer and on removal of such substances the Director shall reopen such crossings entrances and exits and the Developer shall bear the costs incurred

9 TRAFFIC CONTROL

9.1 During the periods when the Highway Works are being executed the Developer shall institute at his own expense measures previously approved in writing by the Director to maintain the safe flow of traffic on the highways in the vicinity of the site of the Highway Works

9.2 The Highway Works shall be signed and protected to at least the standards of Chapter 8 of the Traffic Signs Manual published by His Majesty's Stationery Office and the proposed arrangements shall be approved in writing by the Director before the Highway Works commence

10 TIMING

10.1 No Highway Works within or affecting existing public highways or temporary diversions which could interfere with the traffic flow will be permitted within the morning and evening peak periods i.e. 7.30 - 9.30 a.m. and 4.30 - 6.30 p.m. Monday to Friday except as agreed in writing by the Director

11 SAFETY

11.1 During the periods when the Highway Works are being carried out the Developer shall provide all watching and lighting as required and shall maintain all lights, guards, fencing, warning signs when and, where

necessary, undertake such further measures as may be reasonably required by the Director

12 ACCOMMODATION WORKS

12.1 The Developer shall carry out or ensure that there shall be carried out all related accommodation works associated with the Highway Works

13 CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 2015

13.1 The Developer shall be the only client for the purpose of the CDM Regulations and the Developer agrees to undertake the obligations of a client under the CDM Regulations and to use all reasonable endeavours to ensure that the Highway Works are carried out in accordance with the CDM Regulations

13.2 The Highway Works shall not commence until the Developer as the only client has provided to the Director:

13.2.1 an estimate of the number of working days and/or person days of construction work and the number of workers working on site simultaneously at any one point in the project which the Contract will entail

13.2.2 written details of the principal designer and the principal contractor appointed for the project and also provide copies of the Construction Phase Plan and Health & Safety File

13.2.3 a copy of the Notification of Project (form HSE F10) to the HSE pursuant to Regulation 6 of the CDM Regulations

13.3 Throughout the Highway Works the Developer shall provide to the Director copies of the updates and revisions to the Construction Phase Plan and Health and Safety File pursuant to Regulation 12

13.4 Within twenty-eight (28) days of issue of the Certificate of Substantial Completion for any or all of the Highway Works the Developer shall provide to the Director

13.4.1 a plan showing the land over which those Highways Works have been constructed and

- 13.4.2 a Health and Safety file conforming in all respects with the CDM Regulations and which shall accord with the current format used by the County Council to include a separate Health and Safety File for each Highway Structure
- 13.5 The Director shall be at liberty to delay issue of the Certificate of Final Completion in respect of any of the Highway Works if the Developer fails to provide the Director with the documents referred to in 13.4.1 and 13.4.2 above within twenty-eight (28) days of issue of any Certificate of Substantial Completion for any of the Highway Works equivalent to the number of days after the twenty-eight (28) day period that the documents were submitted
- 13.6 In respect of the Highway Works generally the Developer shall provide to the Director the final information in both paper and electronic format and shall at least comprise:
- 13.6.1 1:500 scale (or alternative scale as may be specified by the Director) "as built" drawings
- 13.6.2 records of the earthworks showing sources of material used in areas of fill description of fill materials descriptions of sub-grades in cut areas copies of results of tests of material carried out as part of the supervision of the construction of the earthworks
- 13.6.3 records of the sources of supply of all deliveries of road construction materials with details of the location of the Highway Works at which each load is placed
- 13.6.4 records of the sources of supply of all other manufactured materials (e.g. drainage goods, fencing materials, traffic signs, electrical components and cables etc).
- 13.7 No work on the Highway Structures shall commence until the general Health and Safety file information including format to be supplied in respect of Highway Structures has been agreed with the County Council's Structure Team and shall accord with the County Council's current Technical Approval Procedure for Highway Structures
- 13.8 The Developer shall indemnify and keep the County Council indemnified

against any breach of the Developer's obligations under this paragraph
13

14 SITE CLEARANCE AND CERTIFICATE(S) OF SUBSTANTIAL COMPLETION

14.1 On Substantial Completion of the Highway Works the Developer shall:-

14.1.1 clear away and remove from the site of the Highway Works all constructional plant and temporary works of every kind and leave the site of the Highway Works in a neat and tidy condition to the satisfaction of the Director and

14.1.2 carry out stage 3 of the Road Safety Audit process and comply to the satisfaction of the Director with recommendations arising thereunder prior to the opening of the Highway Works to the public

14.2. Upon Substantial Completion of the Highway Works including any additional work resulting from stage 3 of the Road Safety Audit process to the satisfaction in all respects of the Director he shall issue a Certificate of Substantial Completion in respect of those Highway Works to the Developer, provided that all costs and expenses owing to the County Council have been paid in respect of those Highway Works

14.3. *Not used.*

14.4. After the issue of the Certificate of Substantial Completion the County Council will approve the reduction of 90% of the Performance Figure in respect of the relevant Highway Works, and the County Council will release the Developer and the Performance Bond Surety and each of them from their obligations under the Performance Bond in respect of the relevant Highway Works to such extent

15 DEFECTS CORRECTION PERIOD AND CERTIFICATE OF FINAL COMPLETION

15.1 The Developer shall maintain each and all of the Highway Works for a period of eighteen (18) months (unless the Director agrees in writing a lesser period having considered paragraph 15.2) from the issue of the related Certificate of Substantial Completion and prior to the expiration of this period the Developer shall reinstate and make good any damage or

defect which may have arisen from any cause whatsoever or be discovered during the said period of eighteen (18) months (including any defect in or damage to the surface water drainage system) so as to place the highway and the Highway Works in a condition satisfactory to the Director

15.2 After the expiration of the period of twelve (12) months from the Certificate of Substantial Completion or the date the Development becomes operational (whichever is the latter) the Developer shall (unless the Director writes to the Developer informing him that it is to be carried out sooner, or that he does not need to do so) carry out stage 4 of the Safety Audit and comply to the satisfaction of the Director with any recommendations arising thereunder

15.3 After the expiration of the period of eighteen (18) months referred to in paragraph 15.1 (or such lesser period as agreed in writing by the Director under paragraph 15.1) and after any defects have been made good as therein provided including any improvements arising under stage 4 of the Road Safety Audit to the satisfaction of the Director and after the provisions of paragraph 13.4 and paragraph 20.5 of this Schedule have been fulfilled, the Director shall issue forthwith to the Developer the Certificate of Final Completion in respect of the Highway Works provided that the Certificate of Final Completion shall in the case of road gullies extend only as far as their points of entry to the surface water sewers where those are not being adopted by the County Council as highway drains and upon the issue of the Certificate of Final Completion the County Council shall release the Developer and the Performance Bond Surety and each of them from all subsisting obligations under the Performance Bond in respect of those Highway Works

16 INDEMNITY

16.1 The Developer shall from the date of this Agreement indemnify the County Council against all claims charges costs expenses liability or loss whatsoever arising out of and incidental to any or all of the Highway Works including but not limited to those arising out of any legally sustainable claims for payments under Section 10 of the Compulsory Purchase Act 1965 and Part I of the Land Compensation Act 1973 (as amended) in connection with those Highway Works provided that the

Developer's indemnity will not extend to any claims submitted to the County Council arising out of the negligence of the County Council's employees or arising out of any works of alteration carried out to any of the Highway Works by the County Council after the issue of the related Certificate of Final Completion

16.2 The County Council shall notify the Developer forthwith upon receipt of any such claim or liability

16.3 The County Council shall not accept or settle any claim without first having given the Developer the opportunity to provide the County Council with representations as to the validity of such claim

16.4 The indemnification referred to in paragraph 16.1 includes:

16.4.1 all fees incurred by claimants which the County Council is obliged to pay, and those of the County Council or its agent or contractor, in negotiating any claims (together with VAT payable on the claimants' professional advisors' fees);

16.4.2 statutory interest payments to claimants and their professional advisors; and

16.4.3 the County Council's reasonable and proper legal costs in making the compensation, fees and interest payments

17 PERFORMANCE BOND

17.1 Without expense to the County Council the Developer and the Performance Bond Surety shall on the date of this Agreement enter into the Performance Bond for each and all of the Highway Works and the Developer and Performance Bond Surety shall be bound to the County Council in the amount of the Performance Figure for the Highway Works

17.2 Should the Developer default in the execution of its obligations to carry out any or all of the Highway Works and to maintain the same in accordance with the provisions of this Agreement then the County Council may (subject to the provisions hereinafter contained) itself carry out the Highway Works and maintain the same as aforesaid having first called upon the Performance Bond Surety for the cost to be expended in so doing

- 17.2.1 Unless there is a danger to users of the highway the County Council shall give twenty (20) working days prior written notice (or lesser period as may in the circumstances be reasonable) of its intention to commence work under Paragraph 17.2
- 17.2.2 any notice served under this paragraph shall specify the period of the notice ("the Notice Period") the extent of the work which the County Council proposes to carry out and full details of all matters in respect of which the Director considers that the Highway Works have not been carried out in accordance with the terms of this Agreement
- 17.2.3 if before the expiry of the Notice Period the Developer serves written notice upon the County Council that the Developer intends diligently to execute the works specified in the notice in accordance with the terms of this Agreement and specifies a time to complete that the County Council considers reasonable in the circumstances the County Council shall not be entitled to execute the relevant part or parts of the Highway Works specified in the notice served under this paragraph unless the Developer then fails to execute those works within the agreed time scale
- 17.3 If the Developer should default in the execution of its obligations to carry out any or all of the Highway Works and to maintain the same in accordance with the provisions of this Agreement then the County Council will call upon the Performance Bond Surety to provide the full Performance Figure (or such sum that remains following reduction of the Performance Bond in accordance with paragraph 14.4 of this Schedule) in accordance with this Agreement. Save that the County Council after all works are completed and all contracts and any contract claims settled will return any Performance Bond sum unused with interest at the Bank of England Base Rate minus 2 basis points, compounding annually at financial year end on receipt of a written request to the Performance Bond Surety within one month of all the aforementioned completing and settling. If for any period the Bank of England Base Rate is at or below 0.02% then no interest shall be payable for that period by any party to this Agreement

18 COMMUTED SUMS FOR MAINTENANCE

18.1 Prior to the date of this Agreement the Developer shall pay to the County Council the Commuted Sums calculated as follows:

	£
Carriageway	5,238.75
Footways	2,475.00
Drainage	3,396.46
TOTAL	11,110.21

19 LEGAL AND ADMINISTRATIVE COSTS

19.1 The Developer shall pay to the County Council:-

19.1.1 the whole of the costs of the County Council's Legal Services Department in connection with the preparation and completion of this Agreement and these costs shall be payable prior to sealing of this Agreement;

19.1.2 interest at four per cent above the Bank of England Base Rate from time to time on any sum due to the County Council under this Agreement which is outstanding for more than twenty-eight (28) days from the date on which it was demanded or in the event that a dispute or difference regarding such payment is referred to arbitration pursuant to clause 4.1 of this Agreement the said twenty-eight (28) day period shall run from the date of the decision of the arbitrator (such interest to be charged on the amount outstanding each day from the date of issue of a written demand for any sum due or in the event that a dispute or difference regarding such payment is referred to arbitration pursuant to clause 4.1 of this Agreement such interest to be charged on the amount outstanding each day from the date of issue of the decision of the arbitrator)

19.1.3 The greater of £5,000.00 (Five thousand pounds), or 7½% of the Performance Figure (excluding the costs associated with

statutory undertakers work and traffic management) for the Highway Works towards the costs and expenses of the County Council of checking the design of each and all of the Highway Works and inspecting each and all of the Highway Works such sum shall be payable prior to sealing of this Agreement

19.1.4 the reasonable cost to the County Council of undertaking Road Safety Audits and also the cost of the safety checks of details submitted, which sum shall be payable prior to the safety audit commencing

19.1.5 the cost of any temporary and permanent traffic regulation orders which sum shall be payable prior to any work on the making of such order being commenced

19.1.6 the full cost of any other road traffic orders required to facilitate the Highway Works which sum shall be payable prior to any work on the making of such order being commenced

20 PARTS I AND II OF THE LAND COMPENSATION ACT 1973

Part I and II Claims

20.1 *Not used.*

20.2 *Not used.*

Part I Claims - Depreciation Caused By Public Works

20.3 *Not used.*

20.4 The Developer hereby undertakes and agrees with the County Council that in the event of any claim for compensation or otherwise or costs or charges arising in connection with or incidental to or in consequence of the carrying out of the Highway Works whether mandatory or discretionary which may be incurred by virtue of any enactment or statutory instrument and otherwise hereby provided for he will hold the County Council fully indemnified from and against all claims charges costs and expenses in connection therewith or arising therefrom

Part II Claims

20.5 The Developer covenants with the County Council to comply with the requirements of the Noise Insulation Regulations 1975 (SI 1975/1763) as amended and to provide to the County Council such evidence as is required by the Director to demonstrate compliance with the Noise Insulation Regulations 1975 prior to the issuing by the County Council of the Certificate of Final Completion in accordance with paragraph 15.3 of this Schedule

SCHEDULE II.A

Performance Bond Agreement

DATED 13 January 202~~4~~5

TOTAL PEACH LIMITED (1)

- and -

NATIONAL HOUSE-BUILDING COUNCIL (2)

PERFORMANCE BOND

relating to the development of the land off
Mill Road, Kedington, Suffolk

BY THIS BOND, TOTAL PEACH LIMITED (Company number 06428890) whose registered office address is Bridgehill Farm, Thakeham Road, Coolham, Horsham, England, RH13 8QD ("the **Developer**") and **NATIONAL HOUSE-BUILDING COUNCIL** (Company number 00320784) whose registered office address is: NHBC House, Davy Avenue, Knowlhill, Milton Keynes, MK5 8FP ("the **Surety**") are held and firmly bound to **SUFFOLK COUNTY COUNCIL** of Endeavour House, 8 Russell Road, Ipswich, Suffolk, IP1 2BX ("the **County Council**") in the sum of £38,500.00 (thirty-eight thousand and five hundred pounds) to be paid to the County Council for the payment of which sum the Developer and the Surety bind themselves their successors and assigns jointly and severally

IN WITNESS whereof the Developer and the Surety have hereunto executed and delivered the same on but not before this 13th day of January Two thousand and twenty-~~four~~ five

1. The Developer has entered into an Agreement under seal with the County Council of even date made under Section 278 of the 1980 Act whereby the Developer undertook at its own expense to carry out works as set out in Schedule III of the said Agreement and shown in the Works Drawings annexed to the said Agreement ("the Highway Works")
2. It is intended that this Bond shall be construed as one with the said Agreement

NOW THE CONDITION of the above-written Bond is such that if the Developer shall duly perform and observe all the terms provisions conditions and stipulations of the said Agreement (in so far as they relate to the Highway Works) on the Developer's part to be performed and observed according to the true intent and meaning thereof

or if on default by the Developer the Surety shall duly satisfy and discharge the damages sustained by the County Council up to the amount of the above-written Bond then the above-written Bond shall be null and void but otherwise shall remain in full force and effect **PROVIDED ALWAYS** that the giving by the County Council of any extension of time for performing the said Agreement or any stipulations therein contained and on the part of the Developer to be performed or any other forgiveness or forbearance on the part of the County Council or its successors or assigns shall not in any way release the Surety from any liability under the above-written Bond

EXECUTED AS A DEED by TOTAL PEACH LIMITED
acting by a director, in the presence of:

Director

Witness's signature:

Witness's name (PRINT)

Witness's address: C

Signed as a deed by [redacted] attorney for
National House-Building Council under a Power of Attorney

[redacted] Underwriting Operations Manager
as attorney for National House-Building Council

In the presence of:

Name of Witness

Occupation Of Witness

Address of Witness NHBC House, Davy Avenue, Knowlhill,
Milton Keynes, Bucks MK5 8FP

SCHEDULE III

The Highways Works comprising the following works:

<u>Location</u>	<u>Works</u>	<u>Delivery Programme</u>
Land off Mill Road, Kedington.	Provide a new site access and construct a new site frontage footway to link to existing footway.	(Unless otherwise agreed pursuant to Clause 8) The Highways Works are to be commenced within one (1) year of the date of this Agreement, and completed within 3 (three) months of commencement of the Highway Works

SCHEDULE IV

Approved List of drawings

	Title	Drawing number
1.	Site Location Plan	9023/01
2.	(General Arrangement & External Works Sheet 1)	211162_C-1000 P03
3.	(General Arrangement & External Works S278 Agreement Plan)	211162_C-1011 P04
4.	(Road & Sewer Setting Out)	211162_C-2000 P01
5.	(Adoptable Manhole Schedules)	211162_C-2001 P02
6.	(Road & Sewer Long Sections Sheet 1)	211162_C-2002 P02
7.	(Suffolk Highway Construction Details S278 Sheet 1)	211162_C-4002 P2
8.	(Suffolk Highway Construction Details S278 Sheet 2)	211162_C-4003 P2
9.	(Suffolk Highway Construction Details S278 Sheet 3)	211162_C-4004 P1

	PROPOSED ADOPTABLE FOUL WATER CHAMBER WITH REFERENCE NUMBER
	PROPOSED ADOPTABLE FOUL WATER SEWER
	PROPOSED ADOPTABLE FOUL WATER MAIN
	PROPOSED ADOPTABLE FOUL WATER PIPE
	PROPOSED ADOPTABLE FOUL WATER MANHOLE
	PROPOSED ADOPTABLE FOUL WATER INLET
	PROPOSED ADOPTABLE FOUL WATER OUTLET
	PROPOSED ADOPTABLE FOUL WATER ACCESS
	PROPOSED ADOPTABLE FOUL WATER VENT
	PROPOSED ADOPTABLE FOUL WATER CLEANOUT
	PROPOSED ADOPTABLE FOUL WATER INSPECTION MANHOLE
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	PROPOSED ADOPTABLE FOUL WATER SEWER
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	PROPOSED ADOPTABLE FOUL WATER PIPE
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ALL CONNECTIONS TO ADOPTABLE SEWERS TO BE MADE IN VITRIFIED CLAY ONLY. CONNECTIONS TO BE Laid TO SOFTEN & BE MINIMUM DIAMETER OF 100mm. ALL ADOPTABLE SEWERS WORKS TO BE RE-SECTIONED AND CONSTRUCTION IN FULL ACCORDANCE WITH DESIGN AND WATER SERVICES BRANCH 2020.

THIS DRAWING IS NOT TO BE USED FOR THE PURPOSES OF SETTING OUT. SETTING OUT OF ROAD AND EXTERNAL WORKS IS TO BE TO THE WRITTEN COORDINATES SHOWN ON OTHER PROJECT LONG COORDINATE COORDINATES. IT IS TO BE TO THE WRITTEN COORDINATES SHOWN ON OTHER PROJECT LONG COORDINATE COORDINATES.

NOTE: ALL FINAL FUL CONSTRUCTION SHALL BE CONFIRMED BY THE ARCHITECT. THE ARCHITECT SHALL BE RESPONSIBLE FOR CHECKING AND CONFIRMING THE CONSTRUCTION BEFORE THE COMMENCEMENT OF ANY WORKS.

INSTRUCTIONS REQUIRED BY THE HIGHWAYS INSPECTOR. THE CONTRACTOR SHALL BE AT ALL TIMES ADVISED BY THE INSPECTOR OF ANY DEFECTS OR DEFICIENCIES IN THE WORKS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE WORKS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE WORKS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE WORKS.

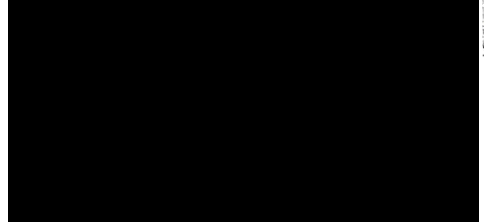
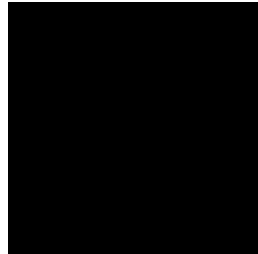
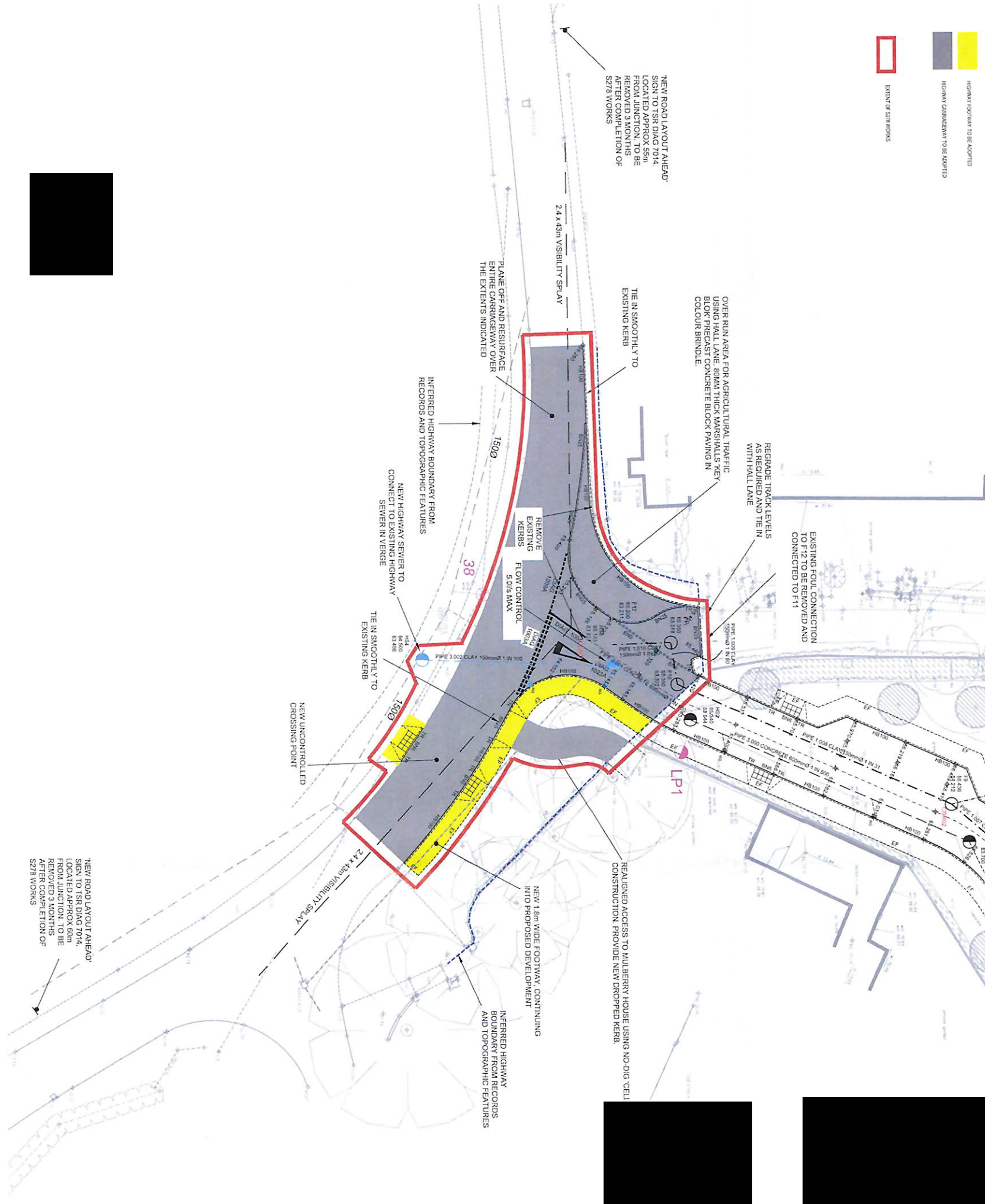
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NOTE: ALL HIGHWAY WORKS WITHIN THE SITE ARE SUBJECT TO A CONSULTATION WITH SUFFOLK COUNTY COUNCIL.



- GENERAL
1. ALL WORKS WITHIN THE EXISTING HIGHWAY SHALL BE CARRIED OUT IN VITRIFIED CLAY ONLY. CONNECTIONS TO BE Laid TO SOFTEN & BE MINIMUM DIAMETER OF 100mm. ALL ADOPTABLE SEWERS WORKS TO BE RE-SECTIONED AND CONSTRUCTION IN FULL ACCORDANCE WITH DESIGN AND WATER SERVICES BRANCH 2020.
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1. DO NOT SCALE. IF IN DOUBT ASK.	NOTE
2. STRUCTURAL ENGINEERS DRAWINGS AND DETAILS. THE SPECIFICATION FOR THE WORKS SHALL BE AS PER THE SPECIFICATION FOR THE WORKS. THE SPECIFICATION FOR THE WORKS SHALL BE AS PER THE SPECIFICATION FOR THE WORKS. THE SPECIFICATION FOR THE WORKS SHALL BE AS PER THE SPECIFICATION FOR THE WORKS.	CONSTRUCTION RISKS
3. EXCAVATIONS EXISTING SERVICES, OVERHEAD SERVICES, WORKING	CONSTRUCTION RISKS
4. ADJACENT TO HIGHWAY	CONSTRUCTION RISKS
5. NO SIGNIFICANT RISKS	CONSTRUCTION RISKS
6. NO SIGNIFICANT RISKS	CONSTRUCTION RISKS
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22. NO SIGNIFICANT RISKS	CONSTRUCTION RISKS
23. NO SIGNIFICANT RISKS	CONSTRUCTION RISKS
24. NO SIGNIFICANT RISKS	CONSTRUCTION RISKS

PRELIMINARY DRAWING:
THIS DRAWING IS FOR PRELIMINARY PURPOSES ONLY AND MUST NOT BE READ AS A CONSTRUCTION ISSUE. IT INDICATES DESIGN INTENT ONLY AND IS SUBJECT TO AMENDMENT DURING FINAL DESIGN DEVELOPMENT.

0m	4m	8m	12m	16m
SCALE BAR				
PROJECT NO.	211162	DRAWING NO.	C-1011	REV
PROJECT NO.	211162	DRAWING NO.	C-1011	REV

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CLIENT
EHA GROUP

PROJECT
**LAND OFF MILL ROAD
KEDDINGTON
SUFFOLK**

TITLE
**GENERAL ARRANGEMENT &
EXTERNAL WORKS
S278 AGREEMENT PLAN**

REV	DESCRIPTION	DATE	BY	AUTH
P01	PRELIMINARY ISSUE	19/05/22	GMA	ML
P02	FULL DETAILED DESIGN ADDED	12/08/22	GMA	ML
P03	S278 COMMENTS ADDRESSED	13/02/23	GMA	ML
P04	RED LINE AMENDMENT	09/04/24	GMA	ML

STORM NETWORK 1 (ANGLIAN WATER ADOPTION)

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
S1	67.076 1.219							
E. 570695.176 N. 247051.792			0	1.000	65.632	225	1350 Fig B15 TYPE C	D400
S2	66.898 1.295		1	1.000	65.378	225		
E. 570731.531 N. 247075.527			0	1.001	65.303	300	1350 Fig B15 TYPE C	D400
S3	67.235 1.742		2	2.000	65.288	225		
E. 570755.509 N. 247087.723			0	1.002	65.118	375	1200 Fig B9 TYPE B	D400
S4	66.797 1.366		1	1.002	65.056	375		
E. 570784.370 N. 247069.933			0	1.003	65.056	375	1350 Fig B15 TYPE C	D400
S5	66.530 1.164		1 2	3.000 1.003	65.142 64.991	225 375		
E. 570780.834 N. 247056.531			0	1.004	64.991	375	1350 Fig B15 TYPE C	D400
S6	66.000 0.750		1	1.004	64.950	375		
E. 570777.561 N. 247046.904							HEADWALL	
S7	66.916 1.404							
E. 570805.443 N. 247055.653			0	3.000	65.287	225	1350 Fig B15 TYPE C	D400
S8	67.800 2.131							
E. 570782.113 N. 247101.588			0	2.000	65.444	225	1200 Fig B9 TYPE B	D400

HIGHWAY NETWORK 2 (SUFFOLK CC ADOPTION)

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
HS1	66.534 2.234							
E. 570674.255 N. 247037.503			0	3.000	63.700	600	1500 CATCHPIT	D400
HS2	65.340 1.096		1	3.000	63.644	600		
E. 570662.923 N. 247011.891			0	3.001	63.622	600	1500 CATCHPIT	D400
HS3	65.133 1.361		0	3.002	63.622	150		
E. 570656.481 N. 247002.760			0	3.002	63.466	150	1500 CATCHPIT	D400
HS4	64.500 0.884		1 2	3.002 EXISTING	63.466	150		
E. 570657.270 N. 246987.219			0	EXISTING	63.466	150	1200 CATCHPIT	D400

FOUL NETWORK 1 (ANGLIAN WATER ADOPTION)

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
F1	67.319 1.619							
E. 570824.320 N. 247060.228			0	1.000	65.600	100	1200 Fig B9 TYPE B	D400
F2	67.002 1.500		1	1.000	65.402	100		
E. 570808.777 N. 247056.976			0	1.001	65.352	150	1200 Fig B9 TYPE B	D400
F3	66.584 1.273		1	1.001	65.161	150		
E. 570783.225 N. 247058.994			0	1.002	65.161	150	1350 Fig B15 TYPE C	D400
F4	66.814 1.627		1	1.002	65.037	150		
E. 570765.982 N. 247070.912			0	1.003	65.037	150	1200 Fig B9 TYPE B	D400
F5	67.316 2.278		2 1	1.003 2.000	64.888 64.888	150		
E. 570755.683 N. 247090.633			0	1.004	64.888	150	1200 Fig B9 TYPE B	D400
F6	66.960 2.113		1	1.004	64.697	150		
E. 570730.273 N. 247077.391			0	1.005	64.697	150	1200 Fig B9 TYPE B	D400
F7	66.852 2.132		1	1.005	64.570	150		
E. 570714.148 N. 247066.996			0	1.006	64.570	150	1200 Fig B9 TYPE B	D400
F8	66.822 2.398		1	1.006	64.274	150		
E. 570676.856 N. 247042.957			0	1.007	64.274	150	1200 Fig B9 TYPE B	D400
F9	66.436 2.074		1	1.007	64.212	150		
E. 570670.860 N. 247035.874			0	1.008	64.212	150	1200 Fig B9 TYPE B	D400
F10	65.350 1.873		1	1.008	63.327	150		
E. 570659.671 N. 247010.221			0	1.009	63.327	150	1200 Fig B9 TYPE B	D400

FOUL NETWORK 1 (ANGLIAN WATER ADOPTION)

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
F11	65.350 1.922		1	1.009	63.278	150		
E. 570655.805 N. 247010.160			0	1.010	63.278	150	1200 Fig B9 TYPE B	D400
F12	65.200 1.839		1 2	1.010 EXISTING	63.211 63.211	150		
E. 570655.964 N. 247004.788			0	EXISTING	63.211	150	EXISTING	D400
F13	67.800 1.928							
E. 570778.243 N. 247010.407			0	2.000	65.722	150	1200 Fig B9 TYPE B	D400

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX
NOTES: THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RISK REGISTER PRODUCED FOR THIS PROJECT. THE RISK REGISTER AND SAFETY HAZARDS AND RISKS FACED BY A COMPETENT CONTRACTOR WHEN DEALING WITH THE TYPE OF WORKS DETAILED ON THIS DRAWING.

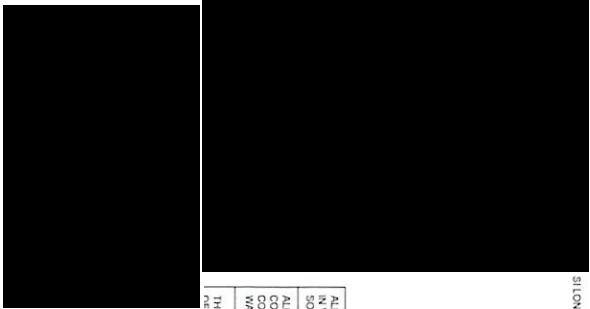
- CONSTRUCTION RISKS**
- EXCAVATIONS, EXISTING SERVICES, OVERHEAD SERVICES, WORKING ADJACENT TO HIGHWAY
 - MAINTAINING EXISTING MANHOLES
 - NO SIGNIFICANT RISKS
- DEMOLITION RISKS**
- NO SIGNIFICANT RISKS

- NOTE:**
1. DO NOT SCALE. IF IN DOUBT, ASK.
 2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL ENGINEERS' DRAWINGS AND DETAILS, THE SPECIFICATION AND SPECIAL INSTRUCTIONS, AND ANY OTHER RELEVANT ARCHITECT'S DRAWINGS AND ANY OTHER SPECIAL INSTRUCTIONS.
 3. ANY DISCREPANCIES FOUND ON THIS OR ANY OTHER DRAWINGS ARE TO BE RELEVANT TO THE ARCHITECT'S DRAWINGS AND ANY OTHER RELEVANT ARCHITECT'S DRAWINGS AND ANY OTHER SPECIAL INSTRUCTIONS.
 4. THE PRINCIPAL CONTRACTOR IS TO PROVIDE FULLY RESPECTED PROVISIONS FOR THE PROTECTION OF THE EXISTING STRUCTURE AND TO BE ADEQUATELY FACILITATE THE WORKS. ALL PROTECTIVE BRACING IS TO BE ADEQUATELY FACILITATE THE WORKS. ALL PROTECTIVE BRACING IS TO BE ADEQUATELY FACILITATE THE WORKS. ALL PROTECTIVE BRACING IS TO BE ADEQUATELY FACILITATE THE WORKS.
 5. THIS DOCUMENT HAS BEEN PREPARED IN ACCORDANCE WITH THE SCOPE OF THE CONSULTING SERVICES PROVIDED BY THE ARCHITECT AND IS NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT.

NOTE: INTERNAL FOUL CONNECTIONS
INDICATIVE ONLY. TO BE CONFIRMED BY ARCHITECT / MAINTENANCE ENGINEER.
EXISTING INVERT LEVELS SHOULD BE CHECKED AND CONFIRMED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORKS.

ALL CONNECTIONS TO ADOPTABLE SEWERS TO BE MADE IN UNFURRED CLAY ONLY. CONNECTIONS TO BE LAID SOFFIT TO SOFFIT & BE MINIMUM DIAMETER OF 100mm.
ALL ADOPTABLE SEWER WORKS TO BE DESIGNED AND CONSTRUCTED IN FULL ACCORDANCE WITH DESIGN AND SPECIFICATION OF THE ARCHITECT, AND ANY OTHER RELEVANT ARCHITECT'S DRAWINGS AND ANY OTHER SPECIAL INSTRUCTIONS.

THIS DRAWING IS NOT TO BE USED FOR THE PURPOSES OF SETTING OUT FOR ROADS AND EXTERNAL TING OUT FOR DWELLINGS & GARAGES IS TO BE TO OTHER RELEVANT CONSULTING DRAWINGS. THIS DRAWING IS NOT TO BE USED FOR THE PURPOSES OF SETTING OUT FOR DWELLINGS & GARAGES IS TO BE TO OTHER RELEVANT CONSULTING DRAWINGS.



REV	DESCRIPTION	DATE	BY	APP'D
P02	HIGHWAY SEWER & F13 ADOPTED	10.08.22	GMA	ML
P01	PRELIMINARY ISSUE	16.05.22	GMA	ML

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CLIENT
EHA GROUP

PRODUCT
LAND OFF MILL ROAD
KEDDINGTON
SUFFOLK

TITLE
ADOPTABLE MANHOLE
SCHEDULES

DRAWN	APPROVED	DATE	SCALE
GMA	ML	MAY 22	NOT TO SCALE
SZ - INFORMATION		DRAWING NO.	REV
211162		C-2001	P02

INSPECTIONS REQUIRED BY THE HIGHWAYS DEPARTMENT
THE CONTRACTOR SHALL COME AT LEAST 48 HOURS ADVANCE NOTICE TO SUFFOLK COUNTY COUNCIL TO ALLOW THE INSPECTION PROPER TO BE CONDUCTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEPOSITED STAKES.
1. LIST OF THE WORKS
2. BEFORE BACK FILLING ANY TRENCHES UNDER NEW HIGHWAY
3. BEFORE BACK FILLING ANY TRENCHES UNDER EXISTING HIGHWAY
4. COMPLETION OF SUB-BASE
5. COMPLETION OF SUB-BASE
6. COMPLETION OF SUB-BASE
7. COMPLETION OF SUB-BASE

NOTE: ALL HIGHWAY WORKS WITHIN THE SITE ARE SUBJECT TO A S88 AGREEMENT WITH SUFFOLK COUNTY COUNCIL.

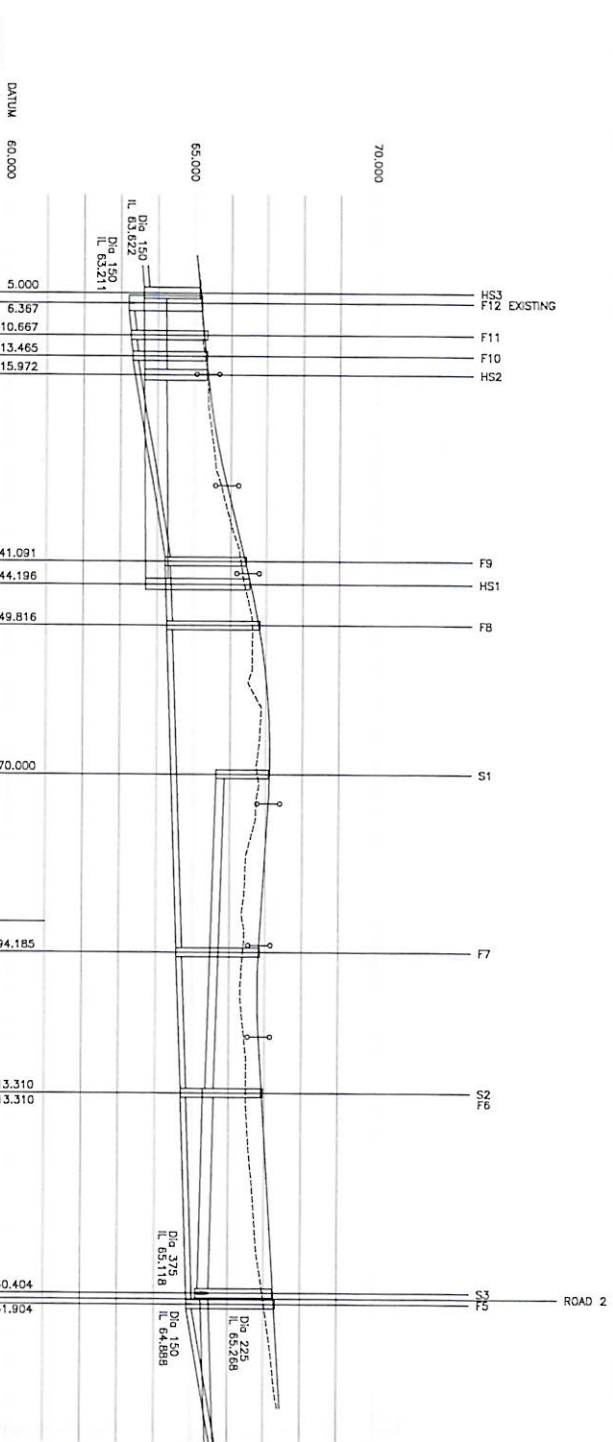
PRELIMINARY DRAWING:
THIS DRAWING IS FOR PRELIMINARY PURPOSES ONLY AND MUST NOT BE READ AS A CONSTRUCTION ISSUE. IT INDICATES DESIGN INTENT ONLY AND IS SUBJECT TO AMENDMENT DURING FINAL DESIGN DEVELOPMENT.

- | | |
|--------------------------------|--|
| CONSTRUCTION RISKS | • EXCAVATIONS, EXISTING SERVICES, OVERHEAD SERVICES, WORKING ADJACENT TO HIGHWAY |
| MAINTENANCE/PAVEMENT USE RISKS | • NO SIGNIFICANT RISKS |
| DEMOLITION RISKS | • NO SIGNIFICANT RISKS |

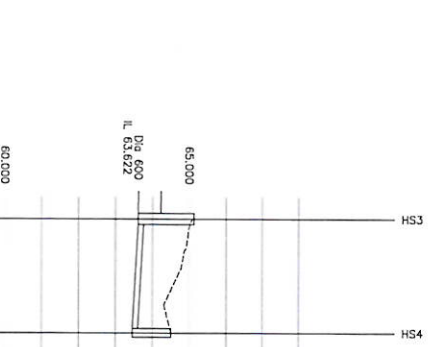
NOTE:

1. DO NOT CALL IF IN DOUBT. ASK.
2. THE DRAWING IS TO BE USED IN CONSULTATION WITH ALL RELEVANT STRUCTURAL, MECHANICAL, ELECTRICAL AND OTHER SPECIALIST SPECIFICATIONS FOR THE WORKS. THE RELEVANT ARCHITECTS' DRAWINGS AND ANY OTHER SPECIALISTS' DRAWINGS.
3. ANY DISCREPANCIES FOUND ON THIS OR ANY OTHER DRAWINGS ARE TO BE REPORTED TO AND RESOLVED BY ROSSIGOLD CONSULTING BEFORE THE COMMENCEMENT OF ANY WORK RELATING TO THE DISCREPANCY.
4. THE PRINCIPAL CONTRACTOR IS TO PROVIDE FULLY DESIGNED AND MANUFACTURED STEELWORK TO BE ERECTED IN ACCORDANCE WITH THE EXISTING/PROPOSED STRUCTURES AND FORTHCOMING WORKS. THE EXISTING/PROPOSED STRUCTURES AND FORTHCOMING WORKS ARE NOT TO IMPOSE REACTIONS ON THE EXISTING STRUCTURE WITHOUT PRIOR WRITTEN CONSENT FROM ROSSIGOLD CONSULTING.
5. THIS DOCUMENT HAS BEEN PREPARED IN ACCORDANCE WITH THE SCOPE OF ROSSIGOLD CONSULTING'S AGREEMENT WITH ITS CLIENT AND IS SUBJECT TO THE TERMS OF THAT AGREEMENT. ROSSIGOLD CONSULTING IS NOT RESPONSIBLE FOR THE DESIGN OF ANY OTHER WORKS OF ITS CLIENT AND ONLY THE DIMENSIONS SPECIFIED HEREIN WERE PROVIDED AND ONLY THE DIMENSIONS SPECIFIED WERE USED.

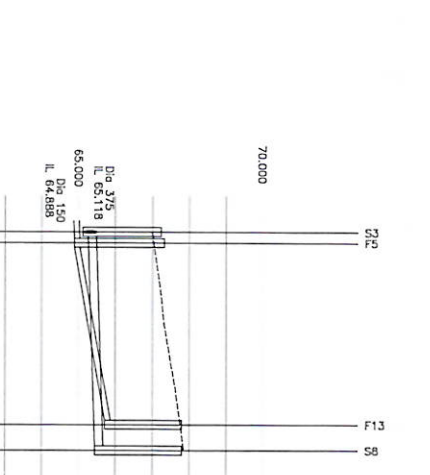
© ROSSI LONG CONSULTING 2022



CHASSIS				VERTICAL ALIGNMENT	
				G= -2.00% L= 50.00	G= 5.00% L= 150.00
	65.052	65.232	65.374	65.680	0.000
					3.277
					7.953
					10.000
					11.578
					15.526
					15.888
					20.000
					25.000
					30.000
	66.253	66.615	66.759	66.764	30.888
					40.000
					41.591
					42.335
					45.000
					49.815
					50.000
					55.000
					60.000
					65.000
	66.510	66.369	66.312	66.478	67.735
					70.000
					73.985
					80.000
					90.000
					93.212
					95.000
					99.462
					100.000
					105.000
	67.011	67.136	67.261	67.386	105.712
					110.000
					110.545
					116.075
					120.000
					130.000
					140.000
					141.154
					150.000
					155.904



GROUND LEVEL	65.084	64.955	
STORMWATER COVER LEVEL	65.133	64.500	
STORMWATER INVERT	63.622	63.466	
STORMWATER DETAILS		Pipe 3.002 Dia 150 Crd _{top} 1100	
STORMWATER LENGTHS		15.551	
		TYPE S BED	
FOLLOWER COVER LEVEL			
FOLLOWER INVERT			
FOLLOWER DETAILS			
FOLLOWER LENGTHS			



GROUND LEVEL	66.986	67.260	67.568	67.854
STORMWATER COVER LEVEL	67.235			67.800
STORMWATER INVERT	65.268			65.444
STORMWATER DETAILS		Pipe 2,000 Dia. 225 Chgd. 1 in 170		
STORMWATER LENGTHS		30.000		
		TYPE S BED		
FOULWATER COVER LEVEL	67.316			
FOULWATER INVERT	64.589			65.722
FOULWATER DETAILS		Pipe 2,000 Dia. 225 Chgd. 1 in 30		
FOULWATER LENGTHS		25.000		
		TYPE S BED		

NOTE: INTERNAL FOUL CONNECTIONS INDICATIVE ONLY TO BE CONFIRMED BY ARCHITECT / MSE ENGINEER.

ALL CONNECTIONS TO ADAPTABLE SEWERS TO BE MADE IN WITREDF CLAY ONLY. CONNECTIONS TO BE LAID SOFFIT TO SOFFIT & BE MINIMUM DIAMETER OF 100mm

ALL ADAPTABLE SEWER WORKS TO BE DESIGNED AND CONSTRUCTED IN FULL ACCORDANCE WITH DESIGN AND CONSTRUCTION GUIDANCE FOR FOLL AND SURFACE WATER SEWERS MARCH 2002

THIS DRAWING IS NOT TO BE USED FOR THE PURPOSES OF SETTING OUT SETTING OUT OF ROADS AND EXTERNAL

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PROJECT
LAND OFF MILL ROAD
KEDDINGTON
SUFFOLK

ROAD & SEWER LONG
SECTIONS - SHEET 1

BOARD	AUTHORIZED	DATE	SCALE AT
GMA	ML	MAY 22	REFER TO DRAWING
SUSTAINABILITY			
S2 - INFORMATION			
PROJECT NO.	DRAWING FILE	DRAWING NO.	REV
211162		C-2002	P02

211162

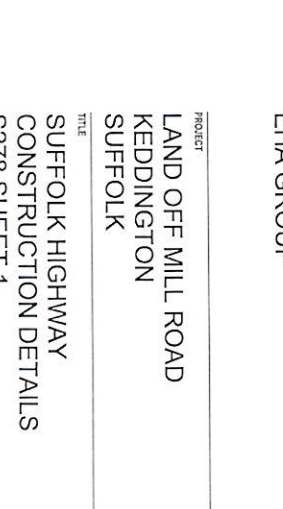
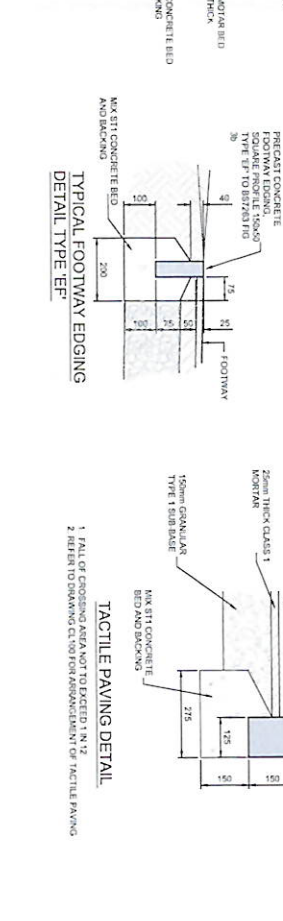
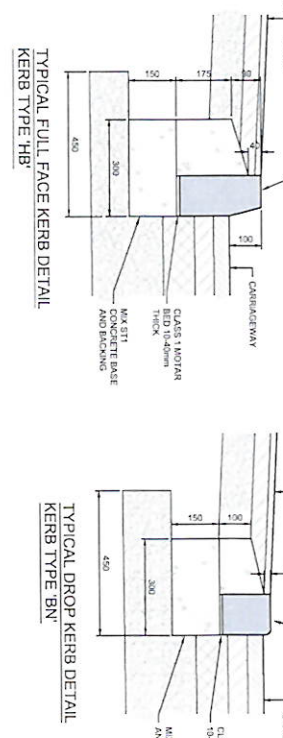
C-2002 P02

The image contains three technical drawings illustrating construction details for S278 works:

- TYPICAL CONSTRUCTION DETAIL FOR S278 WORKS - NEW FOOTWAY:** This cross-section shows a new footway (1.5m wide) being constructed against an existing carriageway. It features a precast concrete footway edging (Type 1F) with a 1.5% crossfall. The edging is supported by a concrete base and a fabric layer. A 150mm kerb detail is shown at the junction with the existing carriageway, which has a 100mm kerb face. The existing carriageway has a 1.5% crossfall and a 150mm kerb detail. The new footway has a 1.5% crossfall and a 150mm kerb detail. The existing carriageway has a 1.5% crossfall and a 150mm kerb detail.
- TYPICAL CONSTRUCTION DETAIL FOR S278 WORKS - BELLMOUTH:** This cross-section shows a bellmouth construction where a new footway (1.5m wide) is joined to an existing carriageway. The new footway has a 1.5% crossfall and a 150mm kerb detail. The existing carriageway has a 1.5% crossfall and a 150mm kerb detail. The bellmouth construction is shown as a transition between the two.
- TYPICAL CONSTRUCTION DETAIL FOR S278 WORKS - TRENCH REINSTATEMENT IN EXISTING CARRIAGEWAY:** This cross-section shows a trench being reinstated in an existing carriageway. The trench is 1.5m wide and 150mm deep. The existing carriageway has a 1.5% crossfall and a 150mm kerb detail. The trench is filled with a concrete slab and a fabric layer. The existing carriageway has a 1.5% crossfall and a 150mm kerb detail.

Labels and dimensions include:

- FOOTWAY WIDTH 1.5m
- EXISTING CARRIAGEWAY
- PRECAST CONCRETE FOOTWAY EDGING TYPE 1F
- 1.5% CROSSFALL
- WELD CONTROL FABRIC
- 150mm KERB DETAIL 100mm KERB FACE REDUCED TO 100mm KERB CROSSOVERS & KERB AT FRESHMAN CROSSING POINTS
- 1.5% CROSSFALL
- GEOTEXTILE SEPARATING FABRIC
- NEW CARRIAGEWAY CONSTRUCTION
- EXISTING CARRIAGEWAY CONSTRUCTION
- SAW CUT THROUGH EXISTING CARRIAGEWAY TO FORM BELLMOUTH
- 1.5% CROSSFALL
- 150mm KERB DETAIL 100mm KERB FACE REDUCED TO 100mm KERB CROSSOVERS & KERB AT FRESHMAN CROSSING POINTS
- 1.5% CROSSFALL
- GEOTEXTILE SEPARATING FABRIC
- FOOTWAY WIDTH 1.5m
- PRECAST CONCRETE FOOTWAY EDGING TYPE 1F
- 1.5% CROSSFALL
- WELD CONTROL FABRIC
- 150mm KERB DETAIL 100mm KERB FACE REDUCED TO 100mm KERB CROSSOVERS & KERB AT FRESHMAN CROSSING POINTS
- 1.5% CROSSFALL
- GEOTEXTILE SEPARATING FABRIC
- FOOTWAY WIDTH 1.5m
- EXISTING CARRIAGEWAY
- PRECAST CONCRETE FOOTWAY EDGING TYPE 1F
- 1.5% CROSSFALL
- WELD CONTROL FABRIC
- 150mm KERB DETAIL 100mm KERB FACE REDUCED TO 100mm KERB CROSSOVERS & KERB AT FRESHMAN CROSSING POINTS
- 1.5% CROSSFALL
- GEOTEXTILE SEPARATING FABRIC
- FOOTWAY WIDTH 1.5m
- EXISTING CARRIAGEWAY
- PRECAST CONCRETE FOOTWAY EDGING TYPE 1F
- 1.5% CROSSFALL
- WELD CONTROL FABRIC
- 150mm KERB DETAIL 100mm KERB FACE REDUCED TO 100mm KERB CROSSOVERS & KERB AT FRESHMAN CROSSING POINTS
- 1.5% CROSSFALL
- GEOTEXTILE SEPARATING FABRIC
- FOOTWAY WIDTH 1.5m
- EXISTING CARRIAGEWAY
- PRECAST CONCRETE FOOTWAY EDGING TYPE 1F
- 1.5% CROSSFALL
- WELD CONTROL FABRIC
- 150mm KERB DETAIL 100mm KERB FACE REDUCED TO 100mm KERB CROSSOVERS & KERB AT FRESHMAN CROSSING POINTS
- 1.5% CROSSFALL
- GEOTEXTILE SEPARATING FABRIC
- FOOTWAY WIDTH 1.5m
- EXISTING CARRIAGEWAY
- PRECAST CONCRETE FOOTWAY EDGING TYPE 1F
- 1.5% CROSSFALL
- WELD CONTROL FABRIC
- 150mm KERB DETAIL 100mm KERB FACE REDUCED TO 100mm KERB CROSSOVERS & KERB AT FRESHMAN CROSSING POINTS
- 1.5% CROSSFALL
- GEOTEXTILE SEPARATING FABRIC
- FOOTWAY WIDTH 1.5m
- EXISTING CARRIAGEWAY
- PRECAST CONCRETE FOOTWAY EDGING TYPE 1F
- 1.5% CROSSFALL
- WELD CONTROL FABRIC
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- 1.5% CROSSFALL
- GEOTEXTILE SEPARATING FABRIC
- FOOTWAY WIDTH 1.5m
- EXISTING CARRIAGEWAY
- PRECAST CONCRETE FOOTWAY



PRELIMINARY DRAWING: THIS DRAWING IS FOR PRELIMINARY PURPOSES ONLY AND MUST NOT BE READ AS A CONSTRUCTION ISSUE. IT INDICATES DESIGN INTENT ONLY AND IS SUBJECT TO AMENDMENT DURING FINAL DESIGN DEVELOPMENT.	SUSTAINABILITY		
	S2 - INFORMATION		
PROJECT NO.	DRAWING FIELD	DRAWING NO.	REV
211162		C-4002	P2

DRAWN	AUTHORISED	DATE	SCALE AT
GMA	ML	MAY 22	NTS
SUBTILITY			
S2 - INFORMATION			
PROJECT NO.	DRAWING FIELD		DRAWING NO.
211162			C-4002 P2

P2	SPECIFICATION UPDATED			
	13.02.24	GMA	ML	
GHANAT ISSUE		20.09.22	GMA	ML
PRISON	DATE	BY	AUTH	

Rossi Long

Consulting

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4230 www.rossilong.co.uk

12. HIGHWAYS
SUSAN
FOR ADP

11

1. DO NOT SCALE. IF IN DOUBT, ASK.

2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, CONDITIONS OF CONTRACT, AND RELEVANT DRAWINGS FOR THE WORKS. THE RELEVANT ARCHITECT'S DRAWINGS AND ANY OTHER SPECIALIST'S DRAWINGS.

3. ANY DISCREPANCIES FOUND ON THIS OR ANY OTHER DRAWINGS ARE TO BE RECORDED AND REPORTED TO THE ARCHITECT IMMEDIATELY. THE COMMENCEMENT OF ANY WORK RELEVANT TO THE DISCREPANCY SHALL BE DEFERRED UNTIL THE DISCREPANCY HAS BEEN RESOLVED.

4. THE PRINCIPAL CONTRACTOR IS TO PROVIDE A FULLY DESIGNED PROPOSED REINFORCEMENT TO FACILITATE THE WORK. A BRACKET IS TO BE ADAPTIALLY PLACED TO REINFORCE THE STABILITY INTEGRITY OF THE EXISTING CONCRETE. THE REINFORCEMENT SHALL BE MAINTAINED UNLESS ADJUSTED ON THE DRAWINGS. THE TEMPORARY WORKS ARE NOT TO HAVE ANY REACTIONS ON THE PERMANENT STRUCTURE WITHOUT PRIOR WRITTEN CONSENT FROM ROSS LONG CONSULTING.

5. THIS DOCUMENT HAS BEEN PREPARED IN ACCORDANCE WITH THE SCOPE OF ROSS LONG CONSULTING'S PROFESSIONAL SERVICE. ROSS LONG CONSULTING ACCEPTS NO LIABILITY FOR ANY USE OF THIS DOCUMENT OTHER THAN BY ITS CLIENT AND ONLY FOR THE PURPOSES FOR WHICH IT WAS PREPARED AND PROVIDED. ONLY WRITTEN DISCREPANCY SHALL BE USED.

6. ROSS L LONG CONSULTING 2021.

7. DIMENSIONS ARE STATED IN MILLIMETRES UNLESS SHOWN OTHERWISE. CHANGES ARE STATED IN METRES. LEVELS ARE IN METRES AND RELATED TO ORDNANCE DATUM.

8. THE CONTRACTOR IS TO VERIFY THE ACQUIRACY OF INFORMATION PROVIDED BY OTHERS.

9. EXISTING PUBLIC UTILITY SERVICES AND PRIVATE APPARATUS ARE NOT NECESSARILY ALL SHOWN ON THIS DRAWING. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL SERVICES AND UTILITIES PRIOR TO ANY EXCAVATION WORK BEING COMPLETED.

10. ALL EXISTING SERVICES, SEWERS AND DRAINS INDICATED ON THIS DRAWING, INCLUDING BUT NOT LIMITED TO, SHALL HAVE THEIR POSITION AND LEVEL INDICATED BY THE CONTRACTOR.

11. THE INVERT LEVELS OF ALL EXISTING SERVICES, DRAINS, OTHERS, TANKS OR OTHER FEATURES AND APPARATUS WERE A NEW CONNECTION TO BE MADE ON SITE BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION WORK. THE RESULTS OF THE INVESTIGATION SHALL BE CONFIRMED TO ROSS L LONG CONSULTING SO THAT THE DESIGN CAN BE REVISED.

12. THIS DRAWING IS BASED ON A SITE LAYOUT BY L & J ARCHITECTS

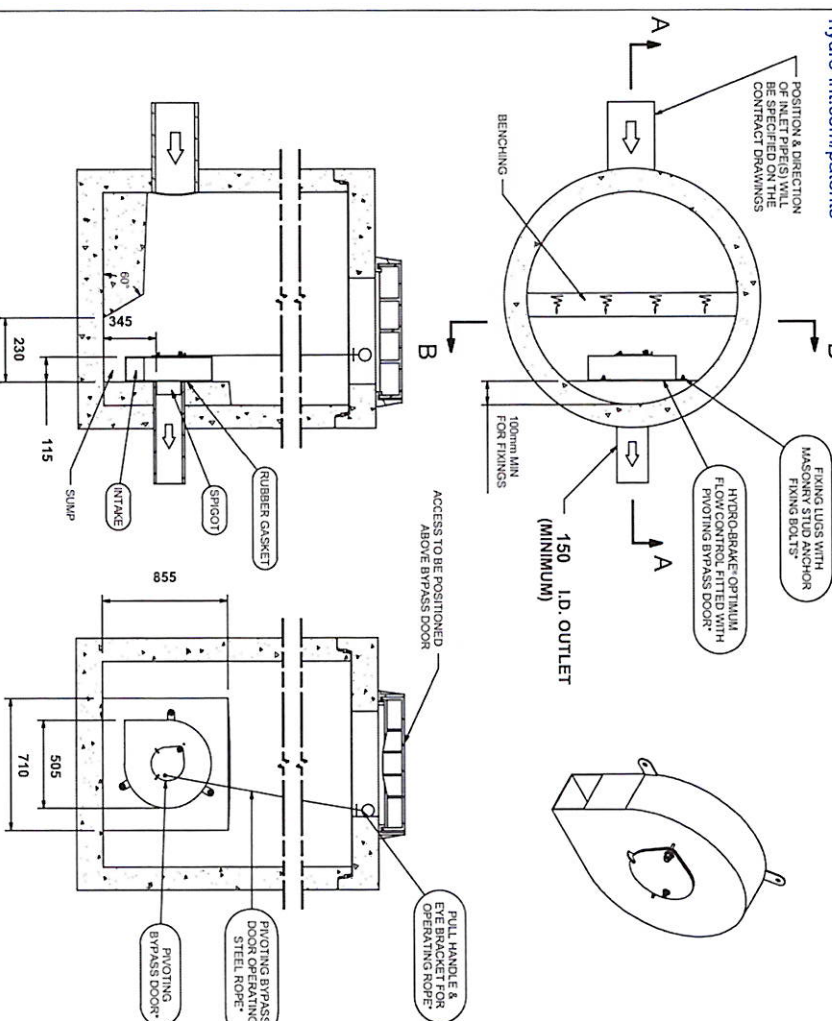
Technical Specification		
Control Point	Head (m)	Flow (l/s)
Primary Design	1.000	5.000
Flush-Fl ₀ ™	0.296	4.974
Kick-Fl ₀ ®	0.637	4.060
Mean Flow		4.334

Hydro-Brake® Optimum Flow Control including:



- 3 mm grade 304L stainless steel
- Integral stainless steel pivoting by-pass door allowing clear line of sight through to outlet, c/w stainless steel operating rope
- Beed blasted finish to maximise corrosion resistance
- Stainless steel fixings
- Rubber gasket to seal outlet
- Indicative Weight: 120 kg

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SECTION A-A

○ LIMIT OF HYDRO INTERNATIONAL SUPPLY
THE DEVICE WILL BE HANDLED TO SUIT SITE CONDITIONS
FOR SITE SPECIFIC DETAILS AND MINIMUM CHAMBER SIZE REFER TO HYDRO INTERNATIONAL
ALL CIVIL AND INSTALLATION WORK BY OTHERS
* WHERE SUPPLIED
HYDRO-BRAKE® FLOW CONTROL & HYDRO-BRAKE® OPTIMUM FLOW CONTROL ARE REGISTERED
CONTROLS DESIGNED AND MANUFACTURED EXCLUSIVELY BY HYDRO INTERNATIONAL

THIS DESIGN LAYOUT IS FOR ILLUSTRATIVE PURPOSES ONLY. NOT TO SCALE.

DESIGN ADVICE The head/flow characteristics of this SHE-0105-5000-1000-5000 Hydro-Brake® Optimum Flow Control are unique. Dynamic hydraulic evaluates the full head/flow characteristic curve.

The use of any other flow control will invalidate any design based on this data and could constitute a flood risk.

DATE	5/20/2022 10:37 AM
SITE	Keddington Suffolk
DESIGNER	Gavin Ackland
REF	211162

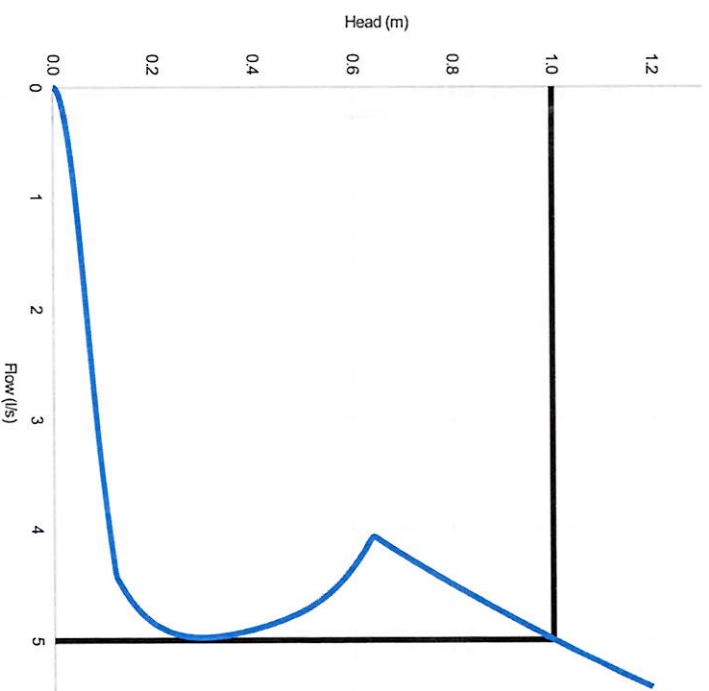
gavin.ackland@rossilong.co.uk

Technical Specification		
Control Point	Head (m)	Flow (l/s)
Primary Design	1.000	5.000
Flush-Fl ₀	0.296	4.974
Kick-Fl ₀ ®	0.637	4.060
Mean Flow		4.334



PT/329/0412

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Head (m)	Flow (l/s)
0.000	0.000
0.034	0.638
0.069	2.159
0.103	3.702
0.138	4.526
0.172	4.737
0.207	4.866
0.241	4.939
0.276	4.970
0.310	4.973
0.345	4.956
0.379	4.926
0.414	4.887
0.448	4.838
0.483	4.775
0.517	4.691
0.552	4.575
0.586	4.416
0.621	4.200
0.655	4.111
0.690	4.210
0.724	4.305
0.759	4.398
0.793	4.489
0.828	4.579
0.862	4.666
0.897	4.751
0.931	4.835
0.966	4.917
1.000	4.997

**DESIGN
ADVICE**

The head/flow characteristics of this SHE-0105-5000-1000-5000 Hydro-Brake Optimum® Flow Control are unique. Dynamic hydraulic modelling evaluates the full head/flow characteristic curve.

! The use of any other flow control and could constitute a flood risk.

DATE	20/05/2022 10:37
Site	Keddington Suffolk
DESIGNER	Gavin Ackland
Ref	211162

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX
NOTES: THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RISK REGISTER PROVIDED FOR INCLUSION IN THE HEALTH AND SAFETY PLAN. THE HAZARDS NOTED ARE IN ADDITION TO THE NORMAL HAZARDS AND RISKS FACED BY A COMPETENT CONTRACTOR WHEN DEALING WITH THE TYPE OF WORKS DETAILED ON THIS DRAWING.

- EXCAVATIONS, EXISTING SERVICES, OVERHEAD SERVICES, WORKING ADJACENT TO HIGHWAY

- DEMOLITION RISKS:**
- NO SIGNIFICANT RISKS

NOTE:

- 2 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL ENGINEER'S DRAWINGS AND DETAILS. THE SPECIFIC FOR THE WORKS, THE RELEVANT ARCHITECTS DRAWINGS AND AN SPECIALISTS DRAWINGS.

3. ANY DISCREPANCIES FOUND ON THIS OR ANY OTHER DRAWINGS ARE REPORTED TO AND RESOLVED BY ROSSI LONG CONSULTING BEFORE COMMENCEMENT OF ANY WORK RELEVANT TO THE DISCREPANCY

4. THE PRINCIPAL CONTRACTOR IS TO PROVIDE FULLY DESIGNED PROPPINGS/SHORING TO FACILITATE THE WORKS. ALL PROPPING & IS TO BE ADEQUATELY FOUNDED TO ENSURE THE STABILITY/INTACT OF THE EXISTING/PROPOSED STRUCTURES &/OR EARTHWORKS IS MAINTAINED UNLESS INDICATED ON THE DRAWINGS. THE TEMPORARY WORKS ARE NOT TO IMPOSE REACTIONS ON THE PERMANENT STRUCTURES.

5. THIS DOCUMENT HAS BEEN PREPARED IN ACCORDANCE WITH THE TERMS OF THE ROSS L. LONG CONSULTING SERVICES AGREEMENT. ROSS L. LONG CONSULTING SERVICES, INC. ACCEPTS NO LIABILITY FOR ANY USE OF THIS DOCUMENT OTHER THAN THAT AUTHORIZED BY ROSS L. LONG CONSULTING SERVICES, INC. ITS CLIENT AND ONLY FOR THE PURPOSES FOR WHICH IT WAS PREPARED. ONLY WRITTEN DIMENSIONS SHALL BE USED.

6. DIMENSIONS ARE STATED IN MILLIMETRES UNLESS SHOWN OTHERWISE. CHANGES ARE STATED IN METRES, LEVELS AND METRES AND RELATED TO ORDNANCE DATUM.
7. THE CONTRACTOR IS TO VERIFY THE ACCURACY OF INFORMATION PROVIDED BY OTHERS.

8. EXISTING PUBLIC UTILITY SERVICES AT PRIVATE APPROPRIATION ARE NOT NECESSARILY ALL SHOWN ON THIS DRAWING. THE CONTRACTOR SHALL CLARIFY WITH THE APPROPRIATE UTILITY PROVIDER TO DETERMINE PRECISELY WHERE ON SITE EXISTING SERVICES LOCATED. SERVICES SHALL BE WORKED AND MARKED OUT PRIOR TO ANY EXCAVATION BEING BEING COMENCED.

10. THE INVERT LEVELS OF ALL EXISTING SEWERS, DRAINS, DITCHES AND OTHER FEATURES & APPARATUS WHERE A NEW CONNECTION IS REQUIRED SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK. THE RECORD OF THE INVESTIGATIONS SHALL BE CONFERRED TO ROSSI LOCAL CONSULTING SO THAT THE DESIGN CAN BE VERIFIED.
11. THIS DRAWING IS BASED ON A SITE LAYOUT BY L&P ARCHITECTS INC. 9022/4 & 9014 N. METROPOLITAN, STAREY BE MARK SURVEYING, DWG NO. 524-04A. BOTH OF THESE HAVE BEEN REGENERALLY MOVED SO THAT THEY ARE CORRECT TO THIS SURVEY GRID.

12. HIGHWAYS TO BE OFFERED FOR ADOPTION TO SUFFOLK COUNCIL UNDER A S38 AGREEMENT & SEWERS TO BE OFFERED FOR ADOPTION TO ANGLIAN WATER UNDER A S104 AGREEMENT

[illegible]

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Consulting

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EHA GROUP

PROVINCIAL
LAND OFF MILL ROAD
KEDDINGTON
SUFFOLK

SUFFOLK HIGHWAY
CONSTRUCTION DETAILS
S278 SHEET 3

DRAWN	AUTHORISED	DATE	SCALE	ATTN
GMA	ML	MAY 22	NIS	
SATISFACTORY				
S2 - INFORMATION				
PROJECT NO.		DRAWING FIELD		
211162				
DRAWING NO.			REV	
C-4004			P1	

PRELIMINARY DRAWING:
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