

DATED

9 MAY

2022

SUFFOLK COUNTY COUNCIL (1)

- and -

PERSIMMON HOMES LIMITED (2)

AGREEMENT

made pursuant to Sections 278 and 38 of the Highways Act 1980
and any other enabling power relating to
the development of land at High Street, Walton, Felixstowe, Suffolk

Nigel Inniss
Head of Legal Services
Suffolk County Council
5 Constantine Road Ipswich
Suffolk IP1 2DH

Ref: RAF/66804

**SECTION 278 AGREEMENT
INDEX**

	Page
Recitals & Definitions	
RECITALS AND DEFINITIONS	4
1 LEGAL EFFECT.....	9
2 NOTICES.....	9
3 GENERAL	10
4 ARBITRATION	11
5 COVENANTS	12
1 THE DESIGN OF THE HIGHWAY WORKS.....	15
2 LETTING OF THE CONTRACT	16
3 INSPECTION OF THE HIGHWAY WORKS.....	17
4 TESTING OF MATERIALS	18
5 OPENING OF THE HIGHWAY WORKS	18
6 UNDERTAKERS	19
7 PROTECTION OF THE PUBLIC.....	20
10 TIMING	23
11 SAFETY.....	23
12 ACCOMMODATION WORKS	23
13 CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 2015.....	23
14 SITE CLEARANCE AND CERTIFICATE(S) OF SUBSTANTIAL COMPLETION.....	25
15 DEFECTS CORRECTION PERIOD AND CERTIFICATE OF FINAL COMPLETION.....	26

16	INDEMNITY	27
17	PERFORMANCE BOND / PERFORMANCE Cash deposit.....	28
18	COMMUTED SUMS FOR MAINTENANCE	29
19	LEGAL AND ADMINISTRATIVE COSTS	30
20	PARTS I AND II OF THE LAND COMPENSATION ACT 1973	31
	SCHEDULE II.A	33
	SCHEDULE II.B	Error! Bookmark not defined.
	SCHEDULE III.....	36
	SCHEDULE IV	37

THIS AGREEMENT is made the 9th day of May 2022
BETWEEN the following parties:-

- (1) SUFFOLK COUNTY COUNCIL of Endeavour House 8 Russell Road Ipswich
Suffolk IP1 2BX ("the County Council")
- (2) PERSIMMON HOMES LIMITED (company number 0418747) of Persimmon
House, Fulford, York, YO19 4FE ("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 £5,913.16 (Five thousand nine hundred and thirteen pounds and sixteen 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

"Compensation Cash Deposit"	Means the cash deposit to be paid to the County Council in the sum of the Compensation Figure being the sum the County Council reasonably considers sufficient to meet the likely cost of settling claims and connected costs under Part I of the Land Compensation Act 1973
"Compensation Figure"	Means the sum of £5,000.00 (Five thousand pounds) which is the amount which the Director reasonably considers sufficient to meet the likely cost of settling claims and connected costs under Part I of the Land Compensation Act 1973
"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
"Performance Bond"	Means the bond with the 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 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 £112,101.00 (One hundred and twelve thousand one and one 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 Surety"	Means National House Building ^{Council} Company
"Permission"	Means the planning permissions granted by East Suffolk Council dated 14 th May 2021 granted with reference number DC/15/1128/OUT and dated 16 th June 2021 with reference DC/20/1002/ARM in respect of the Site together with any modification of them
"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 Department for Transport standards or by the County Council as agreed by the Director
"Site"	Means land situated at High Street, Walton, Felixstowe, Suffolk shown edged red for identification only on the attached plan no E3893/760/B
"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 plan and the details (subject to any variations agreed in writing)
"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"	Means the standards necessary to ensure complete

Standards"	conformity with all UK and EU 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 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 General Directions 2016 and BS5489 in relation to the design of any street lighting
"Tender Sum"	Means the sum of £101,909.73 (One hundred and one thousand nine hundred and nine pounds and seventy three pence) (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
 - (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 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 Local 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 Number SK408176
- (F) The Developer wishes to dedicate as public highway that part of the Site upon which the Highway Works are to be constructed which does not currently form part of the public highway and the County Council agrees to accept such dedication and adopt that part of the Site and the Highway Works as highway maintainable at public expense on the terms and conditions hereinafter contained

- (G) 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 the County Council considers 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 38 72 and 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 Constantine House 5 Constantine Road Ipswich IP1 2DH marked for the attention of the Assistant Director of Governance, Legal and Assurance (or where the context requires the Executive Director of Growth, Highways and Infrastructure, Constantine House 5 Constantine Road Ipswich IP1 2DH)
The Developer	marked for the attention of the Technical 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 and to comply with the obligations set out at clause 14.3 of Schedule I
- 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 public 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 Highways Authority to give written notice not less than three calendar months prior to works commencing, in order that the County Council as Highways Authority has sufficient time to ensure that the commencement of works will cause the least disruption possible to road users. The County Council reserves the right to refuse consent and/or to stop 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

5.7 The County Council covenants with the Developer that on the date of issue of the Certificate of Final Completion the roads subject to the Highway Works shall thenceforth be, to the extent they are not already, adopted as highways maintainable at the public expense

6 THIRD PARTY RIGHTS

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

7 LAPSE

7.1 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

7.2 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

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

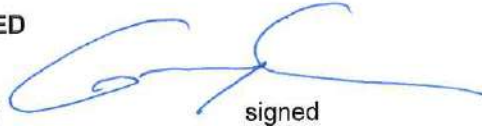
)
)
)
)




A Duly Authorised Officer

EXECUTED as a DEED by
PERSIMMON HOMES LIMITED
Acting by its Attorneys

[GARY LEE]
.....(Attorney)


signed

In the presence of:

Witness signature J A Kett.....

Witness name JULIE ANNE KETT.....

Address PERSIMMON HOMES, SUFFOLK ROAD, ELMHURST
61 BLAKENHAM, IP6 8DL.....

And

[IAN HAMILTON]
.....(Attorney)

signed



In the presence of:

Witness signature J A Kett.....

Witness name JULIE ANNE KETT.....

Address PERSIMMON HOMES, SUFFOLK ROAD, ELMHURST
61 BLAKENHAM, IP6 8DL.....

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 twelve (12) months of the date of the said Director's 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 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 [Not used]
- 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

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

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 4.1 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 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 3.4 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 Her 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
- 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 [Not used]

13.8 The Developer shall indemnify and keep the County Council indemnified against any breach of the Developer's obligations under this paragraph

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. The Developer hereby agrees that on the date of Substantial Completion that part of the Site upon which the Highways Works are constructed

which does not currently form part of the public highway shall be dedicated as highway under section 38 of the 1980 Act

14.4. After the issue of the Certificate of Substantial Completion the County Council may approve a reduction of up to 90% of the Performance Figure in respect of the relevant Highway Works and the County Council may release the Developer and the 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 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 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

- 15.4 If called upon to do so by notice in writing served within twenty-one years of the date hereof by the County Council the Developer agrees to transfer to the County Council in consideration of one pound any land over which any part of the Highway Works have been constructed which does not at the date of this Agreement already form part of the highway together with any other land dedicated as public highway by the Developer hereunder free in each case from encumbrances and together with all rights necessary to permit the use inspection maintenance repair and replacement of all utility systems servicing the Highway Works and not vested in the relevant undertaker as are situated outside the limits of the Highway Works and the said other land

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 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 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:

	£
Zebra Crossing	£5,636.32

Roads	£277.44
-------	---------

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 £5000 (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
- 19.1.7 the whole of the costs of the zebra crossing notice required to facilitate the delivery of the zebra crossing being £500 for the officer time and advertising and £300.00 for legal fees
- 19.1.8 the whole of the costs of the County Council in connection with surveying and assessing the land upon which the Highways Works are to be constructed and land in the vicinity of the Highway Works as deemed necessary by the County Council in order to provide the Compensation Figure for the Compensation Cash Deposit, and these costs shall be payable prior to sealing of this Agreement

20 PARTS I AND II OF THE LAND COMPENSATION ACT 1973

Part I and II Claims

- 20.1 On the date of this Agreement and without expense to the County Council the Developer shall pay the Compensation Cash Deposit to the County Council
- 20.2 The Compensation Cash Deposit shall provide that should the Developer default in any way in his obligation to pay to the County Council the sums specified in paragraph 16 of this Schedule the County Council may call upon the Compensation Cash Deposit to pay the sums due under paragraph 16 and paragraph 20.4 of this Schedule to the County Council or any shortfall in the event that some of the monies have already been paid to the County Council

Part I Claims - Depreciation Caused by Public Works

- 20.3 Upon the date which falls seven (7) years from the point at which the last of the Highway Works is first open to public traffic and if all duly made

claims are settled the County Council will release the Developer from all subsisting obligations under the Compensation Cash Deposit and the remainder of the Cash Deposit shall be returned together with interest as applied at the Bank of England Base Rate minus 2 basis points, compounding annually at financial year end on receipt of a written request (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) save that if all duly made claims are not settled all but an amount reasonably sufficient to settle such claims will be released

- 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 9 MAY 2022

Persimmon Homes Limited (1)

- and -

-National House Building ^{Council} Company --- (2)

Handwritten signature and initials in blue ink, including a large 'M' and 'H'.

PERFORMANCE BOND

relating to the development of land at High Street, Walton, Felixstowe, Suffolk

BY THIS BOND PERSIMMON HOMES LIMITED of Persimmon House, Fulford, York, YO19 4FE ("the Developer") and NATIONAL HOUSE BUILDING ^{Council} COMPANY of NHBC House, Davy Avenue, Knowlhill, Milton Keynes, Bucks, MK5 8FP ("the Surety") are held and firmly bound to **SUFFOLK COUNTY COUNCIL** of Endeavour House 8 Russell Road Ipswich Suffolk IP1 2DH ("the County Council") in the sum of £112,101,00 (One hundred and twelve thousand one hundred and one 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

21
BU
Mfr

IN WITNESS whereof the Developer and the Surety have hereunto affixed their respective Common Seals and delivered the same on but not before this day of MAY Two thousand and twenty-one ^{qtz} ~~one~~ two

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

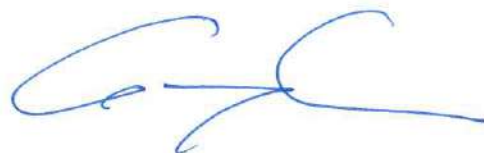
NOW THE CONDITION of the above-written Bond is such that if the Developer shall duly perform and observe all the terms provisions conditions and stipulations of the said Agreement (in so far as they relate to the Highway Works) on the Developer's part to be performed and observed according to the true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

[**GARY LEE**]
.....(Attorney)

signed



In the presence of:

Witness signature 
Witness name **CECILY COLE**
Address **Persimmon House**
Gershwin Boulevard
Witham, Essex CM8 1FQ


And

[**Ian Hamilton**]
.....(Attorney)


signed




In the presence of:

Witness signature 
Witness name **CECILY COLE**
Address **Persimmon House**
Gershwin Boulevard
Witham, Essex CM8 1FQ

Signed as a deed by **Duncan Wiles** as attorney for
National House-Building Council under a Power of Attorney
dated 30th March 2022

 **Road and Sewer Bond Manager**
.....
as attorney for National House-Building Council

In the presence of:

ALYCE WALE 
Name of Witness Witness Signature
Occupation Of Witness **Underwriting Team Leader - Road and Sewer bonds**
Address of Witness: **NHBC House, Davy Avenue, Knowhill,**
Milton Keynes, MK5 8FP

SCHEDULE III

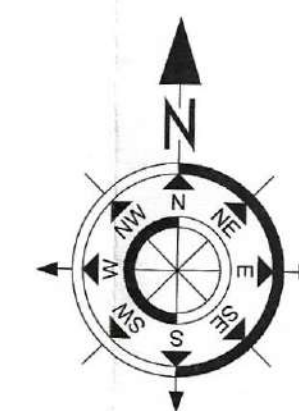
The Highways Works comprising the following works:

<u>Location</u>	<u>Works</u>	<u>Delivery Programme</u>
<u>High Street</u>	Excavation of existing footway and carriageway;	Works to be commenced within 6 (six) months of the date of this Agreement and completed within 12 (twelve) months of commencement
High Street	Provision of new Zebra Crossing	Works to be commenced within 6 (six) months of the date of this Agreement and completed within 12 (twelve) months of commencement
High Street	Carriageway widening	Works to be commenced within 6 (six) months of the date of this Agreement and completed within 12 (twelve) months of commencement
<u>High Street</u>	Associated drainage, kerb works, tie-ins to existing surfaces	Works to be commenced within 6 (six) months of the date of this Agreement and completed within 12 (twelve) months of commencement
<u>High Street</u>	Road markings, road signs and street lighting provision	Works to be commenced within 6 (six) months of the date of this Agreement and completed within 12 (twelve) months of commencement

SCHEDULE IV

Approved List of drawings

	Title	Drawing number
1.	Zebra Crossing-General Arrangement	E3893-760B-S278
2.	Zebra Crossing-Highways Construction Details	E3893-781B-S278
3.	Zebra Crossing-Sign Construction Details	E3893-903A-S278
4.	Felixstowe Jct of High Street & Gulpher Road S278 Zebra Works – Approved Street Lighting 10 th Feb 2020	



STREET LIGHTING NOTES:

- 1) ALL NEW STREET LIGHTING COLUMNS ARE TO BE INSTALLED WITHIN THE FRONT OF THE FOOTPATH / CYCLEWAY OR WITHIN THE REAR OF THE SERVICE STRIP WITH THE EXCEPTION OF THE HINGED LIGHTING COLUMNS INSTALLED ALONG REMOTE FOOTPATHS WHICH ARE TO BE INSTALLED WITHIN THE REAR OF THE FOOTPATH.
- 2) WHERE ROAD LIGHTING COLUMNS ARE TO BE INSTALLED IN VERGE THEY SHALL BE SET BACK FROM THE EDGE OF THE KERB / ROAD SURFACE BY 1.0M UNLESS OTHERWISE INDICATED.
- 3) WHERE STREET LIGHTING COLUMNS ARE TO BE INSTALLED WITHIN THE VERGE THEY SHALL BE FITTED WITH NEDAL (ALC) BLACK RUBBERISED 'ANTI-STRIMMER' COLLARS TO SCC SPECIFICATIONS.
- 4) ALL NEW STREET LIGHTING COLUMNS AND ILLUMINATED SIGNS ARE TO HAVE DNO STATUTORY MAINS ELECTRICITY SUPPLIES UNLESS OTHERWISE INDICATED.
- 5) NO TREES ARE TO BE PLANTED WITHIN 5M OF ANY NEW STREET LIGHTING COLUMNS TO ENSURE BLOCKING EFFECT ON LIGHTING UNITS IS MINIMISED.
- 6) IF NO LIGHTING COLUMNS HAVE BEEN PLANTED WITHIN 18 MONTHS OF THIS LIGHTING DESIGN BEING APPROVED, THE DESIGN SHOULD BE RE-SUBMITTED TO SUFFOLK COUNTY COUNCIL'S STREET LIGHTING DEPARTMENT FOR RE-CHECKING / RE-APPROVAL.
- 7) NO CHANGES TO THE POSITIONS OR SPECIFICATION OF ANY LIGHTING EQUIPMENT SHOWN ON THIS APPROVED STREET LIGHTING DRAWING SHOULD BE MADE WITHOUT PRIOR AUTHORISATION FROM THE APPROVING SUFFOLK COUNTY COUNCIL OFFICER MR NEIL D. EVANS OR IN THE APPROVING OFFICER'S ABSENCE, THE SUFFOLK COUNTY COUNCIL STREET LIGHTING MANAGER MR RICHARD WEBSTER.

STREET LIGHTING KEY:

- EXISTING SUFFOLK COUNTY STREET LIGHTING UNIT TO REMAIN.
- NEW 6M ABACUS T051/RLS/EBG BASE HINGED G2a TUBULAR STEEL LIGHTING COLUMN COMPLETE WITH FLUSH ACCESS DOOR, SECURITY BOLT & GLASS FLAKE ROOT & 1NO. POST TOP MOUNTED PHILIPS B6621 MINI-LUMA ZEBRA 12Klm (LOWEST ENERGY VERSION) NEUTRAL WHITE (4000K) LED LANTERN WITH DPL1 OPTIC SETTING & 0° TILT, PHILIPS DIMMABLE ELECTRONIC CONTROL GEAR, FACTORY FITTED 7-PIN NEMA SOCKET, 1-PART PHOTOCELL, #TELENSA TELECELL UNIT) & CHARLES ENDIRECT L3 DOUBLE POLE ISOLATOR IN BASE OF COLUMN. SIMMONSINS 'MODULBEL' LED BELISHA BEACON (MODEL NUMBER MODULBEL76) TO BE MOUNTED ON 0.5m OFFSET BRACKET ARM WHICH IS IN TURN MOUNTED ON THE LIGHTING COLUMN AT A HEIGHT OF APPROXIMATELY 2.5m FROM GROUND LEVEL. COLUMN TO HAVE 300mm WHITE HOOPED BANDS BETWEEN 1m & 2.3m ABOVE GROUND LEVEL AS PER BRITISH STANDARDS. CORTESY SHIELDS TO BE FITTED TO BELISHA BEACONS AS STANDARD. NEW COLUMN TO HAVE UKPN STATUTORY MAINS ELECTRICITY SUPPLY.
- # NOTE: TELENSA TELECELLS & SUFFOLK COUNTY COUNCIL IDENTIFICATION NUMBER PLATES ARE TO BE SUPPLIED & INSTALLED ON ALL STREET LIGHTING LANTERNS & ILLUMINATED SIGNS BY SCC'S INCUMBENT STREET LIGHTING CONTRACTOR, UPON ADOPTION, AT DEVELOPERS EXPENSE. (APPROXIMATELY £124 PER LIGHTING UNIT).
- PLEASE ENSURE CORRECT LANTERNS ARE INSTALLED ON CORRECT COLUMNS AS PER SPECIFICATION ABOVE. A COPY OF THIS DRAWING IS TO BE ISSUED TO THE APPOINTED STREET LIGHTING CONTRACTOR AT ALL TIMES.
- NEW 5M ABACUS T051/RLS/EBG BASE HINGED G2a TUBULAR STEEL LIGHTING COLUMN COMPLETE WITH FLUSH ACCESS DOOR, SECURITY BOLT & GLASS FLAKE ROOT CUT DOWN TO 3M IN HEIGHT (OR TO MATCH HEIGHT OF BELISHA BEACONS INSTALLED ON ADJACENT ZEBRA LIGHTING COLUMNS) & 1NO. POST TOP MOUNTED SIMMONSINS 'MODULBEL' LED BELISHA BEACON (MODEL NUMBER MODULBEL76). COLUMN TO HAVE TOP COAT TO RAL9005 (BLACK). COLUMN TO HAVE 300mm WHITE HOOPED BANDS BETWEEN 1m & 2.3m ABOVE GROUND LEVEL AS PER BRITISH STANDARDS. ARROW INDICATES DIRECTION OF COLUMN FOLD DOWN. CORTESY SHIELDS TO BE FITTED TO BELISHA BEACONS AS STANDARD. NEW BELISHA BEACON COLUMNS TO HAVE 6MM² 3 CORE XLPE/PVC/SWA/PVC PRIVATE CABLE FEED LAID IN 50MM ORANGE DUCT FROM ADJACENT ZEBRA COLUMN AS INDICATED.
- INDICATIVE DUCT ROUTE SHOWING PRIVATE CABLE NETWORK CONSIST OF 50MM² DIA. ORANGE DUCT MARKED 'STREET LIGHTING' CONTAINING 6MM² 3 CORE XLPE/PVC/SWA/PVC CABLE FROM ZEBRA LIGHTING COLUMNS TO BELISHA BEACON COLUMNS ON REFUGE ISLAND.
- SUPPLY AND INSTALL NEW UN-ILLUMINATED PUDSEY DIAMOND 'VISABOLL' RETRO-REFLECTIVE BOLLARD UNIT COMPLETE WITH SINGLE ASPECT SIGN FACE TO DIAGRAM 610L (KEEP LEFT).

STREET LIGHTING DESIGN APPROVED BY SUFFOLK COUNTY COUNCIL'S STREET LIGHTING DEPARTMENT

SIGNED:- NEIL D. EVANS
DATED:- 10th February 2020

APPROVAL VALID FOR 18 MONTHS FROM DATE INDICATED ABOVE

Rev	Description	Date	Drawn	Checked

Drawing Approval Status:-

N/A Section 104 N/A Section 38 N/A Section 278

FOR INFORMATION

Wormald Burrows
Civil Engineering Consultants
12a - 13a Hitchin Street, Biggleswade, SG18 8AX
Tel: (01767) 317244 Web: www.wormburp.com
Email: engineer@wormburp.com

Project:

Drawing Description:

Client: CLIENT LOGO

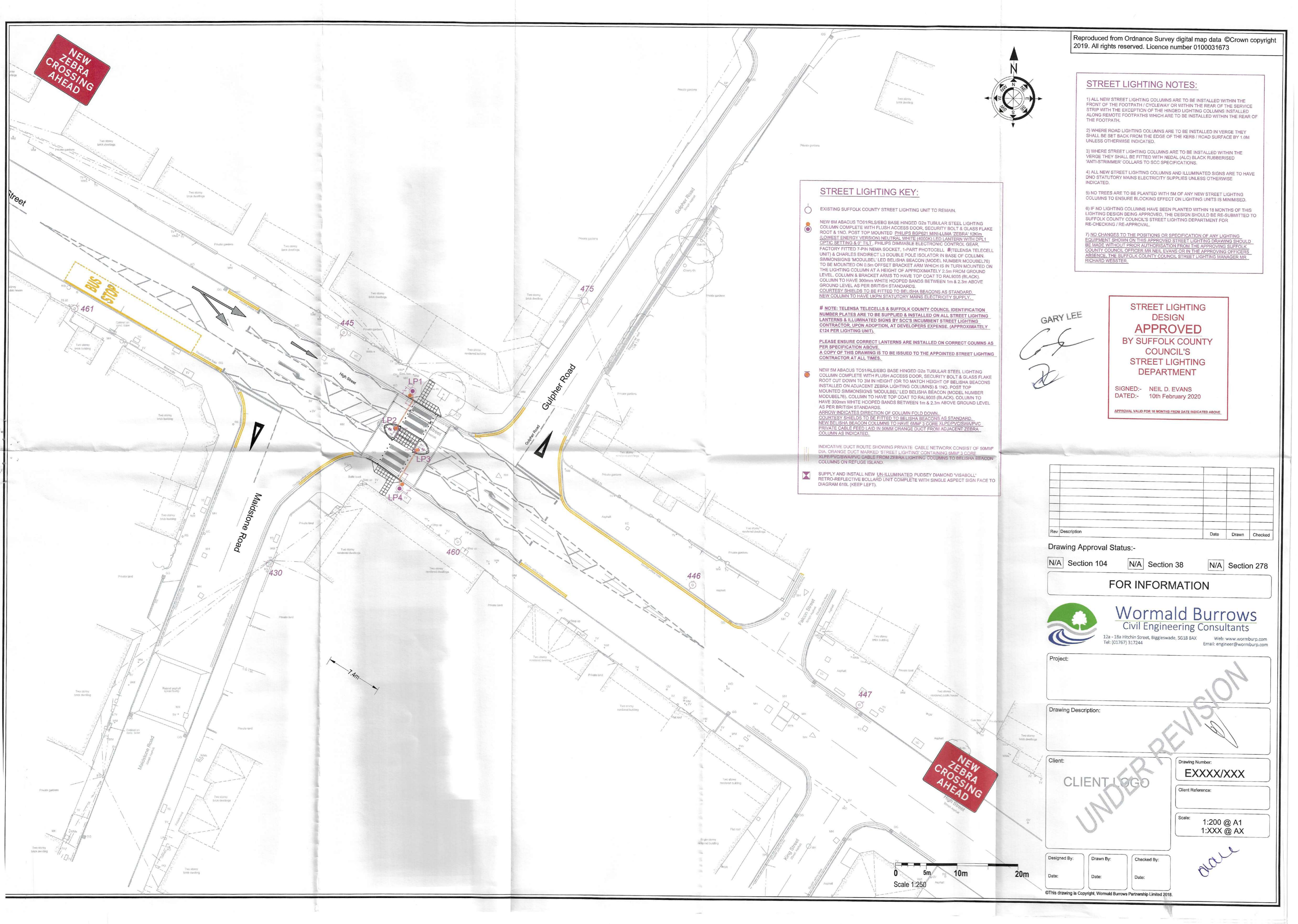
Drawing Number: EXXXX/XXX

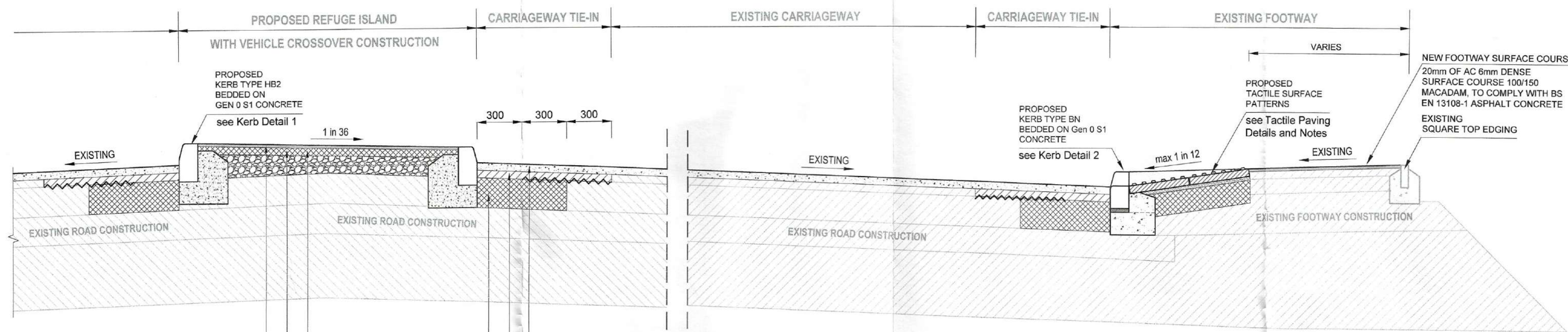
Client Reference:

Scale: 1:200 @ A1
1:XXX @ AX

Designed By: Drawn By: Checked By:
Date: Date: Date:

©This drawing is Copyright, Wormald Burrows Partnership Limited 2018.





20mm OF AC 6mm DENSE SURFACE COURSE 100/150 MACADAM, TO COMPLY WITH BS EN 13108-1 ASPHALT CONCRETE

60mm OF 20mm DENSE BINDER COURSE 100/150 MACADAM, TO COMPLY WITH BS EN 13108-1 ASPHALT CONCRETE AND SCC DWG NO 10/103B

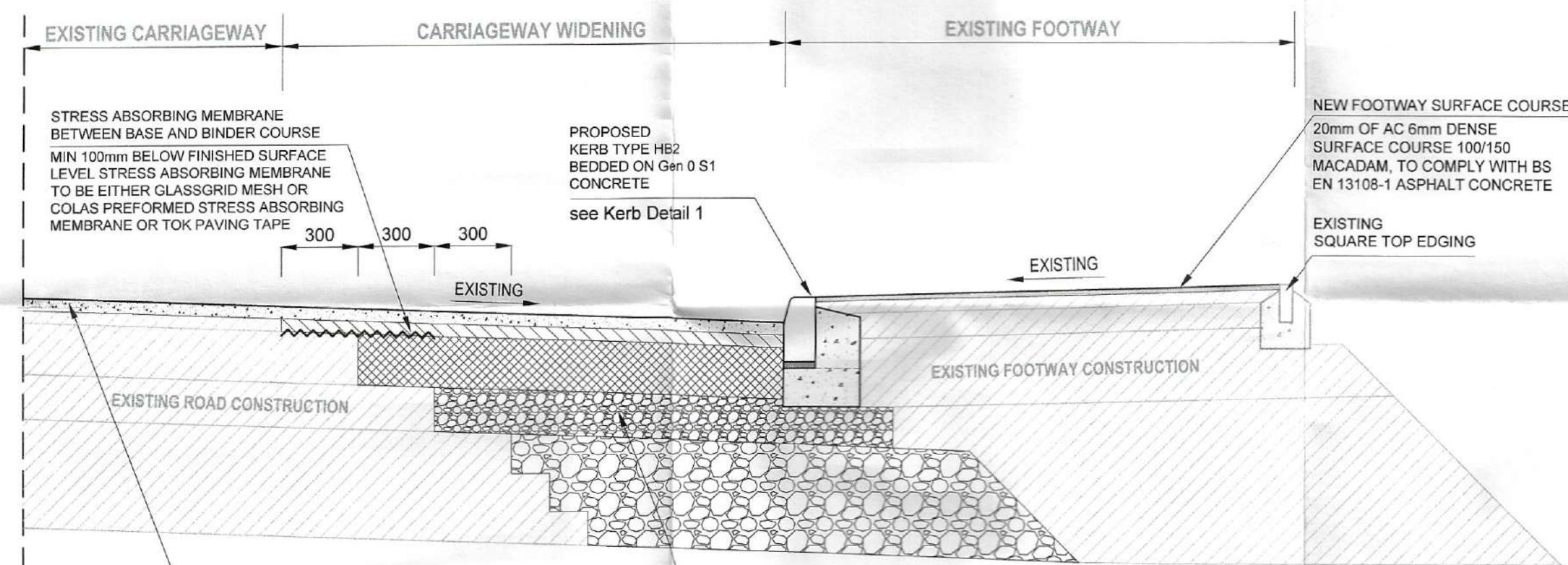
225mm OF TYPE 1 GRANULAR MATERIAL TO COMPLY WITH BS EN 1377 AND SCC DWG NO 10/103B

50mm OF HRA 35/14 SURF 40/60 REC, WITH 20mm PRE-COATED CHIPPINGS, TO COMPLY WITH BS EN 13108-4 HOT ROLLED ASPHALT AND TO TABLE 9.2 OF SCC ESTATE ROAD SPECIFICATION (MAY 2007) - PSV OF 68+ IS REQUIRED

50mm OF HRA 50/14 BIN 40/60 REC, TO COMPLY WITH BS EN 13108-1 ASPHALT CONCRETE AND TO TABLE 9.2 OF SCC ESTATE ROAD SPECIFICATION (MAY 2007)

150mm MINIMUM OF HRA 60/28 BASE 40/60 REC, TO COMPLY WITH BS EN 13108-1 ASPHALT CONCRETE (TO BE LAID IN TWO LAYERS) AND TO TABLE 9.2 OF SCC ESTATE ROAD SPECIFICATION (MAY 2007)

Typical section through existing tarmac road with proposed pedestrian crossing and refuge island detail



NEW CARRIAGEWAY SURFACING
REFER TO DWG NO'S E3893/760 FOR SURFACING DETAILS SPECIFIC TO ROAD CHAINAGES

CARRIAGEWAY CONSTRUCTION:

SURFACE COURSE: 50mm OF HRA 35/14 SURF 40/60 REC, WITH 20mm PRE-COATED CHIPPINGS, TO COMPLY WITH BS EN 13108-4 HOT ROLLED ASPHALT AND TO TABLE 9.2 OF SCC ESTATE ROAD SPECIFICATION (MAY 2007) - PSV OF 68+ IS REQUIRED

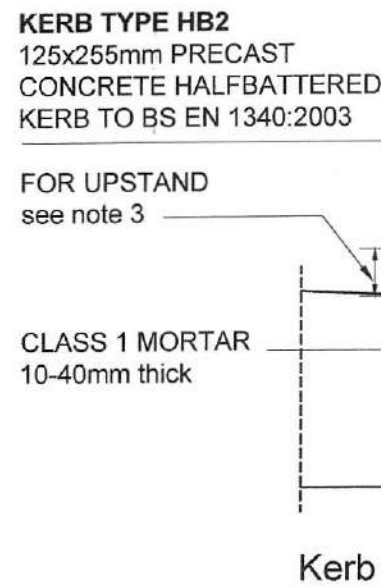
BINDER COURSE: 50mm OF HRA 50/14 BIN 40/60 REC, TO COMPLY WITH BS EN 13108-1 ASPHALT CONCRETE AND TO TABLE 9.2 OF SCC ESTATE ROAD SPECIFICATION (MAY 2007)

BASE: 150mm MINIMUM OF HRA 60/28 BASE 40/60 REC, TO COMPLY WITH BS EN 13108-1 ASPHALT CONCRETE (TO BE LAID IN TWO LAYERS) AND TO TABLE 9.2 OF SCC ESTATE ROAD SPECIFICATION (MAY 2007)

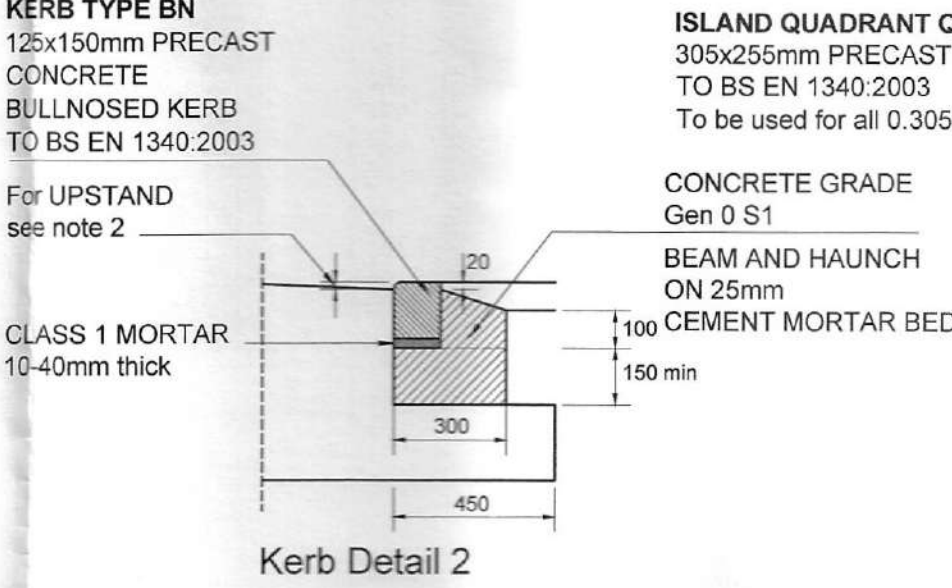
SUB-BASE: 225mm MINIMUM OF TYPE 1 GRANULAR MATERIAL TO TABLE 9.2 OF SCC ESTATE ROAD SPECIFICATION (MAY 2007). FOR CBR VALUES LESS THAN 5% ADDITIONAL CAPPING LAYER IS REQUIRED. SEE SUB-BASE AND CAPPING NOTES AND TABLES

CAPPING: CAPPING LAYER USING APPROVED TYPE 6F1-6F4 CLEAN FILL MATERIAL. SEE SUB-BASE AND CAPPING NOTES AND TABLES

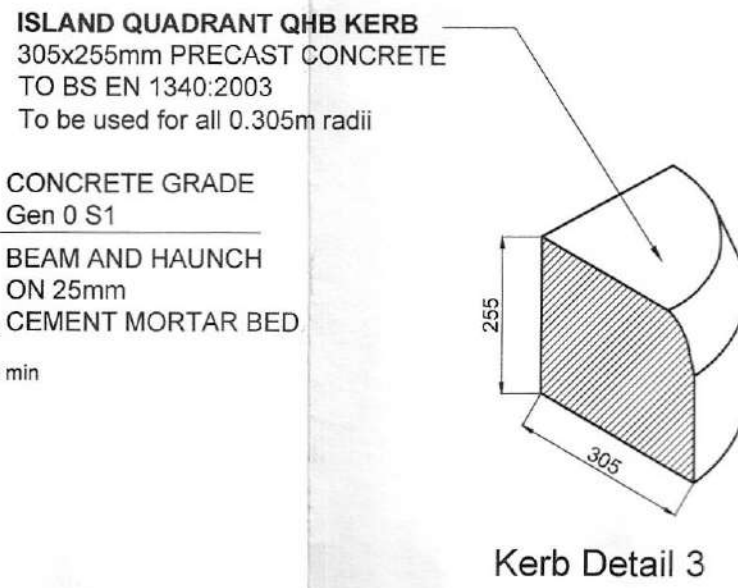
Typical section through existing tarmac road widening and tie-in construction



Kerb Detail 1



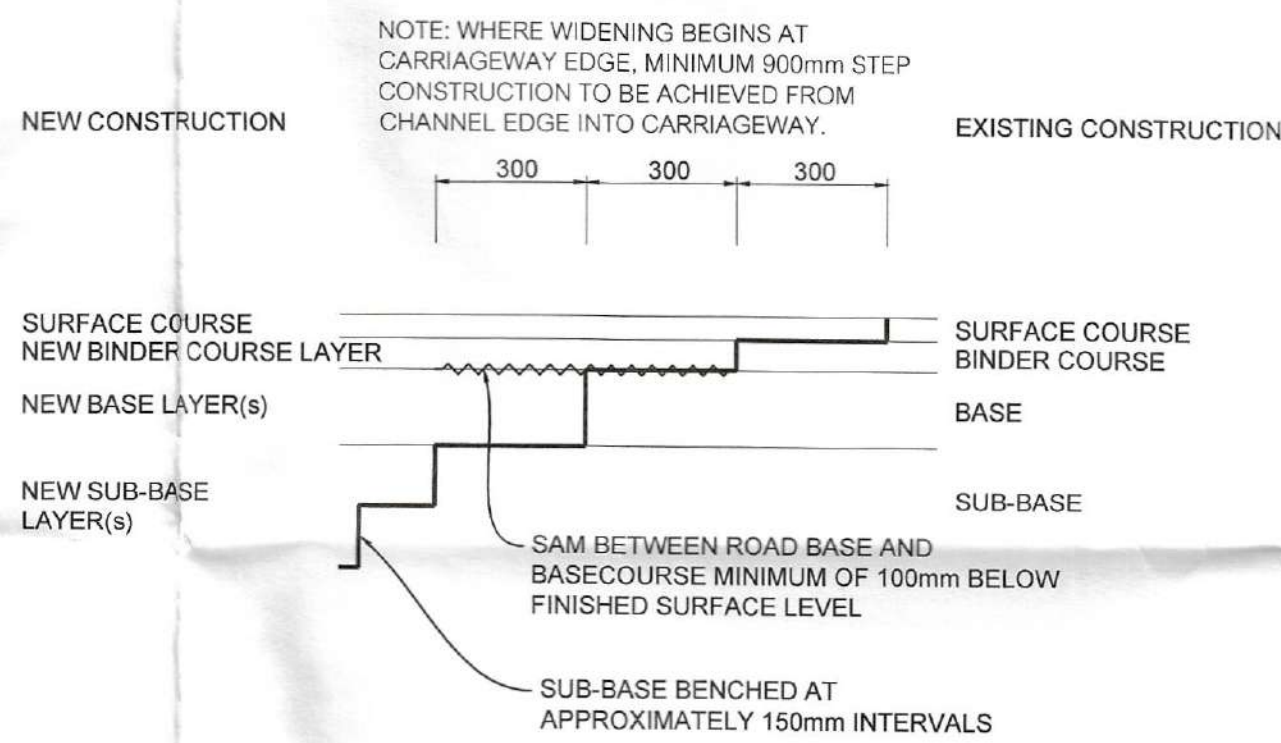
Kerb Detail 2



Kerb Detail 3

Kerb Details

- Notes:**
- Carriageway tie-in:** Where widening begins at carriageway edge, minimum 900mm construction to be achieved from channel edge into carriageway. The wearing course shall be overlapped by 100mm to 150mm with the vertical joint receiving hot applied 50 pen bitumen.
 - Footway:** Asphalt to BS 594, bitumen macadam to BS 4987, precast concrete edgings and precast concrete flags to BS 7263. Width of Footway as shown on layout drawings. Full width of formation to be treated with an approved herbicide. Tactile paving in accordance with Cl.10.3. of SCC Estate Road Specification.

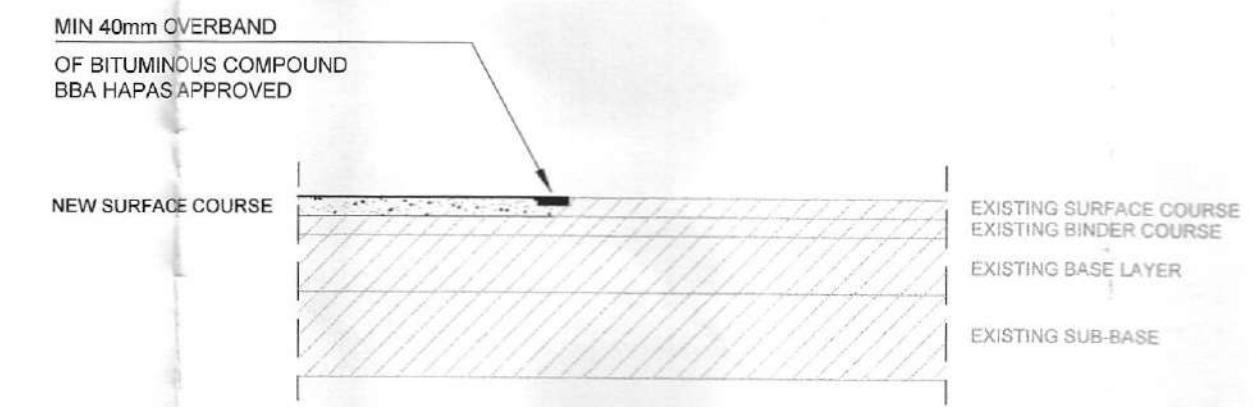


KEY

— SAM (STRESS ABSORBING MEMBRANE) TO BE TENSAR GLASSTEX

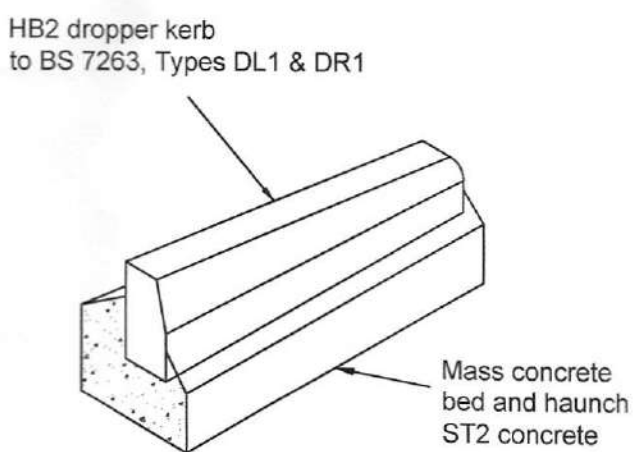
— BOUNDARY BETWEEN NEW AND EXISTING CONSTRUCTION

Stepped Construction Detail (Diagrammatic)

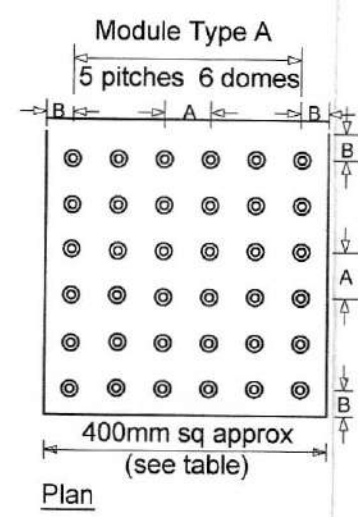


Surface Course Joining Detail

- NOTES:**
- Concrete bed to be mechanically vibrated and the surface roughened to provide a key for backing.
 - At crossings used by pedestrians, the upstand should be between 0-6mm.
 - For full height kerbs, 100mm upstand for refuge island or to match existing elsewhere.
 - All kerbs to BS 7263.
 - The mortar bed may be omitted if method of laying kerbs direct onto wet concrete is approved by the engineer. The backing concrete must be placed within one hour of laying the concrete bed. All concrete Gen 0 S1.
 - All dimensions in millimeters.



Dropper Transition Kerb Type DL1 (& DR1)



Module Type	Size (mm)	Pitch dimension (mm)
A	400sq	66.8 tolerance 2±

THE ACTUAL DEPTH WILL BE RELATED TO THE MATERIALS USED TO CONSTRUCT THE MODULES

DOMES ARE SPHERICAL WITH FLATTENED TOP 8r MAX



TACTILE PAVING CONSTRUCTION:

AS FOOTWAY DETAIL EXCEPT THAT TACTILE PAVING SET INTO 150mm OF Granular Type 1 material (to Clause 9.3 of SHW or as agreed with the Engineer) UNDER 25mm CLASS 1 mortar.

- NOTES:**
- TACTILE PAVING 400x400x50mm TO BS7263 AND Cl.10.3. of SCC Estate Road Specification.
 - COLOUR RED (FOR CONTROLLED CROSSINGS)
 - TACTILE SURFACE SHALL BE IN ACCORDANCE WITH "GUIDANCE NOTES FOR USE OF TACTILE PAVING SURFACES"
 - PAVING SHALL BE CUT AS NECESSARY TO KERB RADIUS IF REQUIRED
 - DOMES TO BE ALIGNED IN DIRECTION OF CROSSING

Tactile paving details

GARY LEE

65

20

Rev	Description	Date	Drawn	Checked
B	Amended as per SCC comments dated 25.09.20.	25.10.20	DTZ	ACC
A	Amended as per SCC comments dated 19.04.20.	07.04.20	DTZ	ACC

Drawing Approval Status:-

N/A Section 104 N/A Section 38 N Section 278

FOR APPROVAL

Wormald Burrows
Civil Engineering Consultants

12a - 15a Hitchin Street, Biggleswade, SG18 8AX
Tel: (01767) 317244

Web: www.wormaldburrows.co.uk
Email: engineer@wormaldburrows.co.uk

Project:
Candle Road, Felixstowe Suffolk

Drawing Description:
**Section 278 Works
High Street Zebra Crossing
Highway Construction Details**

Client:
PERSIMMON

Persimmon Homes (Suffolk)
Persimmon House
Orion Court, Orion Avenue
Great Blakenham
Suffolk, IP6 0LW

Drawing Number:
E3904/781/B

Client Reference:

Scale:
N.T.S. @ A1

Designed By:
Date:

Drawn By:
DTZ
Date:
27.11.19

Checked By:
ACC
Date:
27.11.19

afaq
ISO 9001
Quality

UKAS
MANUFACTURING
SYSTEMS
622

GENERAL ARRANGEMENT

Scale 1:250

NEW ZEBRA CROSSING AHEAD

Temporary sign diagram 7014 mounted on existing lamp column located 70m from stop line of zebra crossing for three months

Diagram 1004 Width: 100mm Tie into existing road marking

Diagram 1040 Width: 150mm Space: 3000mm

Diagram 1018.1

Diagram 1039 Length: 8000

ZIG-ZAG Length: 2000mm

Diagram 1038 Length: 4000

Existing Island with bollards to be removed

Diagram 1009 Width: 100mm

Diagram 1018.1

Diagram 1003 Width: 200mm

Diagram 1038 Length: 4000mm

ZIG-ZAG Length: 2000mm

Road widening to achieve lane 3.7m wide

Diagram 1040 Width: 150mm Space: 3000mm

Diagram 1004 Width: 100mm

Tie into existing road marking

NEW ZEBRA CROSSING AHEAD

Temporary sign diagram 7014 mounted on existing lamp column located 98m from stop line of zebra crossing for three months

0 5m 10m 20m

Scale 1:250

INSERT 1

Scale 1:50

Proposed Tactile Paving 400x400x65mm colour red

Proposed Belisha Beacon to TSRGD 2016

Proposed Crossing Studs 100x100mm serrated face stainless steel To be BS 8442:2006 and TSRGD 2016

Existing Gully to remain

Proposed Sign Diagram 610 on bollard

Existing Asphalt Island with bollards to be removed

Proposed Belisha Beacon to TSRGD 2016

Existing Gully to remain

Proposed Crossing Studs 100x100mm serrated face stainless steel To be BS 8442:2006 and TSRGD 2016

Proposed Belisha Beacon to TSRGD 2016

Scale 1:50

General Arrangement Key

- 50mm of Existing Asphalt Surfacing to be planed off and replaced with New Asphalt +68 PSV Carriageway Surfacing
- New Asphalt Footway Surfacing
- Existing Asphalt Footway Construction to be broken out and replaced with New Asphalt Carriageway Construction
- Existing Asphalt Island Construction to be broken out and replaced with New Asphalt Carriageway Construction
- 900mm Tie-in to Existing Road Construction
- New Tactile Paving - 400x400x65 Colour Red
- Existing Asphalt Island to be removed

Adoptable Kerb and Edging Details

- Pre-cast Concrete HB2 kerb with Upstand to match existing
- Pre-cast Concrete BN kerb with 0-6mm upstand
- Pre-cast Concrete HB2 - BN transition kerb existing to 0-6mm upstand

Boundaries

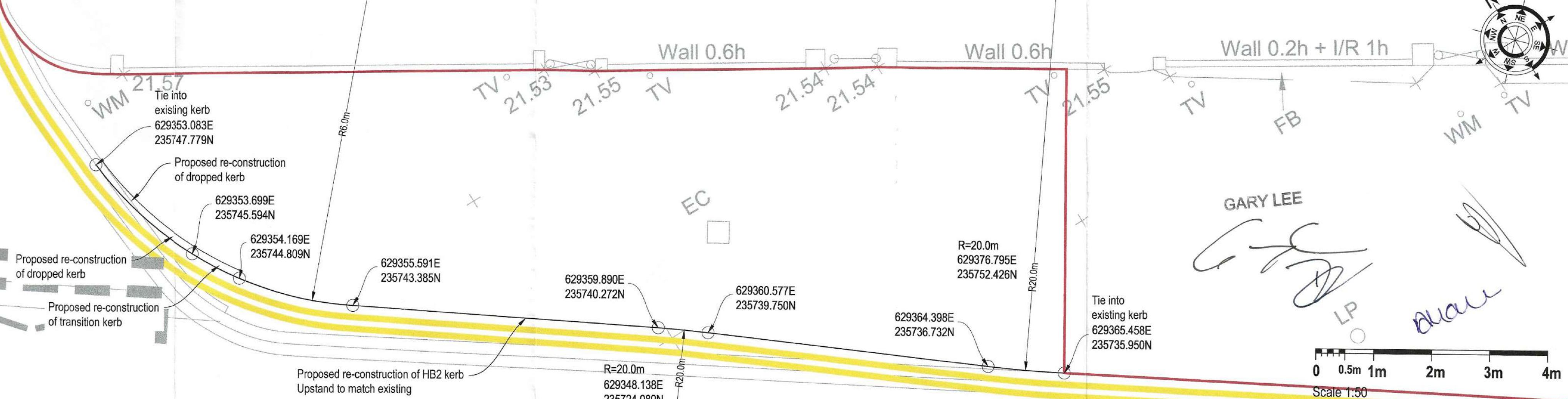
Section 278 Works Area

NOTES:

- HIGH PSV SURFACE COURSE WITH MIN PSV OF 68 TO BE USED.
- FOR DESIGN DETAILS REFER TO LATEST REVISION OF DRAWING E3893/781.
- RESET ALL EXISTING MANHOLE AND UTILITY COVERS TO SUIT NEW FINISHED LEVELS.

INSERT 2

Scale 1:50



Drawing Approval Status:-

N/A Section 104 N/A Section 38 N Section 278

FOR APPROVAL



Wormald Burrows Partnership Ltd
Civil Engineering Consultants

12a - 18a Hinchin Street, Bingley, Wetherby, West Yorkshire LS23 7BA
Tel: (01763) 517244 Fax: (01763) 515434

©This drawing is Copyright Wormald Burrows Partnership Limited 2020.

Scale: AS SHOWN @ A1



Certified by Afnor UK

Project:
Candle Road, Felixstowe Suffolk

Drawing Description:
Section 278 Works High Street Zebra Crossing General Arrangement

Drawing Number:
E3893/760/B

Client Reference:

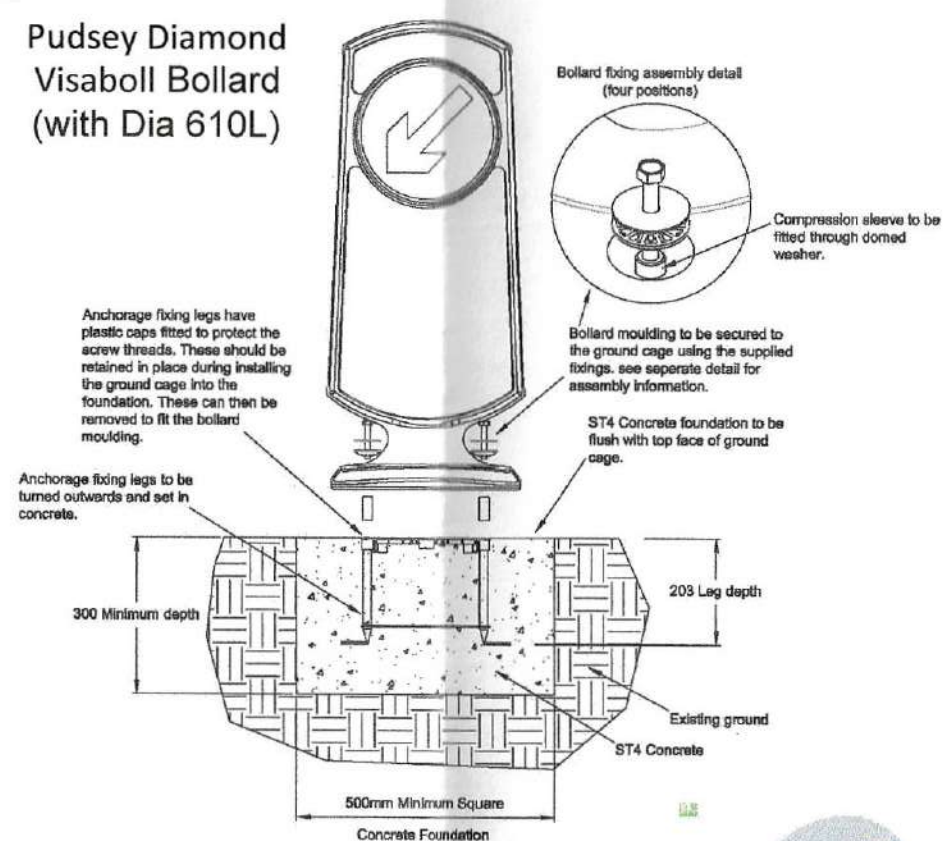
Designed By: ACC Date: 15.07.19
Drawn By: DTZ Date: 15.11.19
Checked By: ACC Date: 26.11.19

Client:
PERSIMMON

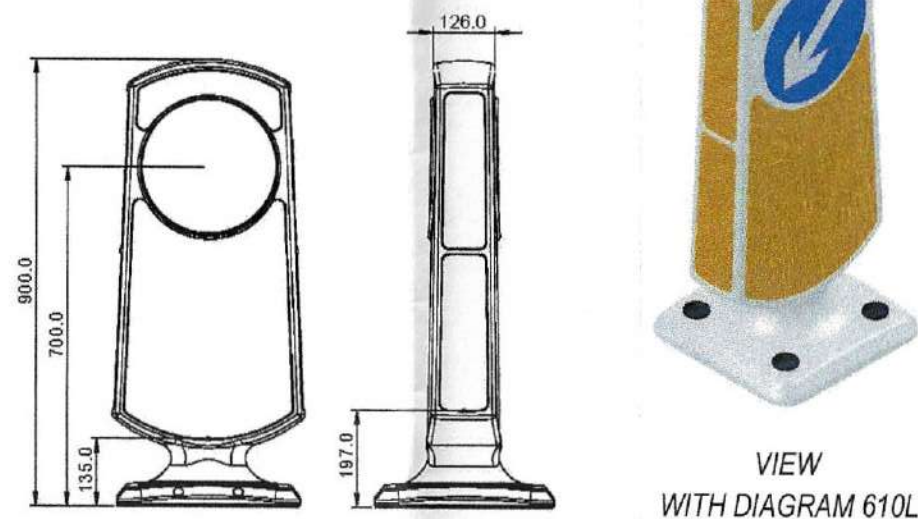
Persimmon Homes (Suffolk)
Persimmon House
Orion Court, Orion Avenue
Great Blakenham
Suffolk, IP6 0LW

Rev	Description	Date	Drawn	Checked
B	Amended as per SCC comments dated 25.09.20.	25.10.20	DTZ	ACC
A	Amended as per SCC comments dated 19.02.20.	03.04.20	DTZ	ACC

Pudsey Diamond Visaboll Bollard (with Dia 610L)



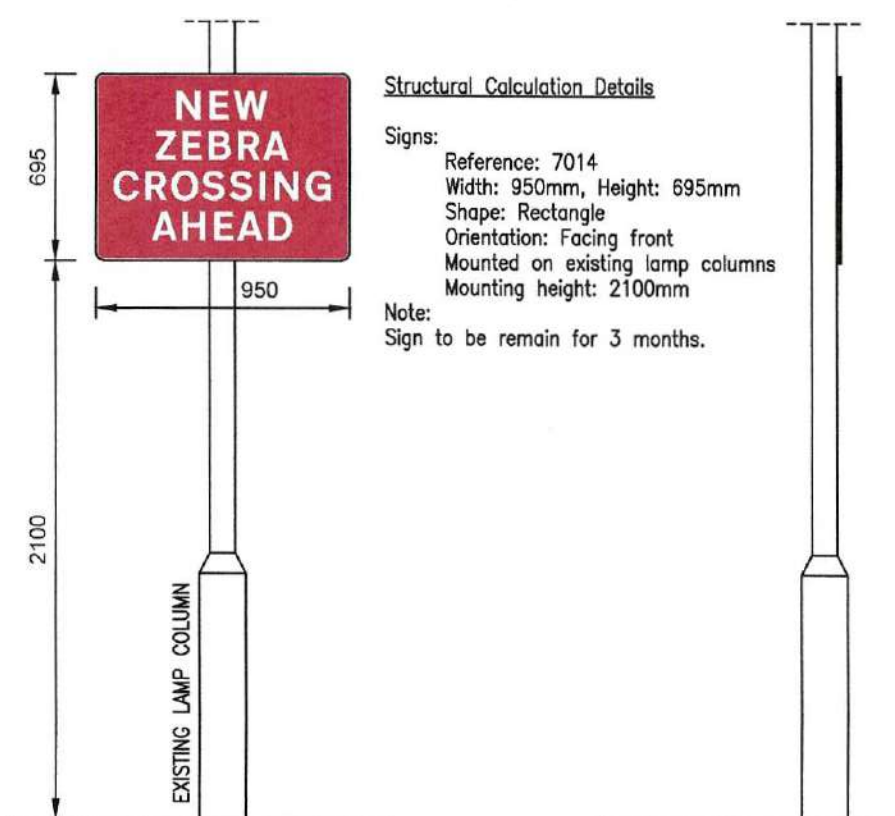
BOLLARD INSTALLATION DETAILS



BOLLARD DETAILS

- Pudsey Diamond Visaboll
Retro-reflective Bollard**
- Passively Safe to BS EN 12767:2007 to 100/NE4
 - Material: polyethylene
 - Colour: White
 - Compliant to BS 8442:2015
 - Single aspect
 - Sign Face: 270roundel, Keep Left Diagram 610

Temporary Sign Diagram 7014



GARY LEE

NOTES:

1. FOR SIGNS LOCATION REFER TO LATEST REVISION OF DRAWING E3893/760.

Rev	Description	Date	Drawn	Checked
A	Revised Section detail removed as per SCC comments dated 25.09.20	25.10.20	DTZ	ACC

Drawing Approval Status:-

N/A Section 104 N/A Section 38 N Section 278

FOR APPROVAL



Wormald Burrows Partnership Ltd
Civil Engineering Consultants
12a - 16a High Street, Ipswich, Suffolk, IP1 1AA
Tel: 01473 212244 Fax: 01473 215334
Email: info@wormaldburrows.com
Web: www.wormaldburrows.com
© This drawing is Copyright, Wormald Burrows Partnership Limited 2020.

Scale: N.T.S. @ A1



Project: Candlet Road, Felixstowe
Suffolk

Drawing Description:
Section 278 Works
High Street Zebra Crossing
Sign Construction Details

Drawing Number:
E3893/903/A

Client Reference:

Designed By: ACC Date: 15.07.19	Drawn By: DTZ Date: 14.04.20	Checked By: ACC Date: 15.04.20
--	---------------------------------------	---

Client:
PERSIMMON
Persimmon Homes (Suffolk)
Persimmon House
Orion Court, Orion Avenue
Great Blakenham
Suffolk, IP6 6LW