- and -

HSBC UK BANK PLC (3)

AGREEMENT

made pursuant to Sections 278 and 38 of the Highways Act 1980 and any other enabling power relating to the development of land adjoining Village Hall, Stutton, Suffolk

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

Ref: RAF/68097

- (1) SUFFOLK COUNTY COUNCIL of Endeavour House 8 Russell Road Ipswich Suffolk IP1 2BX ("the County Council")
- (2) DENBURY HOMES LIMITED (company number 02162164) of Westley Bottom, Westley, Bury St Edmunds, Suffolk, IP33 3WD("the Developer")
- (3) HSBC UK BANK PLC (company number 9928412) of 1 Centenary Square, Birmingham, B1 1HQ ("the Mortgagee")

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)
"Cash Deposit"	Means the cash deposit for all of the Highway Works such cash deposit to be held by the County Council 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 Cash Deposit to provide the full sums necessary to carry out and maintain the Highway Works
"Cash Deposit Figure"	Means sum of £18,463.50 (Eighteen thousand four hundred and sixty three pounds and fifty pence) being the cost of the Highway Works plus 10 per cent
"Certificate of Final Completion"	Means any of the certificates referred to in paragraph 2.13 of this Agreement
"CDM Regulations"	Means the Construction (Design and Management) Regulations 2015 (SI 2015/51)
"Commuted Sums"	Means the sum of £2,042.00 (Two thousand and forty two pounds) which is calculated towards the cost of the County Council's future maintenance liability of the Highway Works.

"Director" Mea	ans the	County	Council's	Executive	Director	of	Growth,
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Highways and Infrastructure or other officers of the County

Council acting under his hand

"Highway Works"

Means the works detailed on the Works Drawings and as set

out in Schedule 2 of this Agreement

Means the plan annexed bearing reference number 2102-539-"Plan"

278A

Completion"

Means land situated adjoining Village Hall, Stutton Suffolk "Site"

shown edged red for identification only on the attached Plan

Means complete to the reasonable satisfaction of the Director "Substantial

> and so that the Highway Works can be used for the purpose and operate in the manner for which they were designed, and the

> "Date of Substantial Completion" and "Certificate of Substantial

Completion" shall be construed accordingly

Means the attached drawings bearing the numbers referred to "Works Drawings"

> in Schedule 1 or any subsequent revision of them which has been approved or requested by the Director and which relate to

the Highway Works

The County Council is the Local Highway Authority (except for trunk roads) for (A) the purposes of the 1980 Act for the area within which the Site is situated and the Highway Works will be carried out

- The Developer is the registered proprietor with title absolute of the Site in so far (B) as it is registered at the Land Registry under Title Number SK410440
- The Mortgagee has a registered charge dated 27th August 2021 over the part of (C) the Site registered with Title Number SK410440
- The County Council considers that the Highways Works as shown on the Works (D) Drawings and detailed in Schedule 2 need to be carried out 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 In this Agreement unless the context otherwise requires :-
 - 1.1.1 Words importing the singular meaning where the context so admits include the plural meaning and vice versa; and
 - 1.1.2 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
 - 1.1.3 "party" or "parties" means a party or parties to this Agreement; and
 - 1.1.4 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;
 - 1.1.5 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
 - 1.1.6 the headings and contents list in this Agreement shall not form part of or affect its construction; and
 - 1.1.7 references to clauses schedules and paragraphs are references to clauses in and schedules to this Agreement and paragraphs in schedules to this Agreement; and
 - 1.1.8 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
 - 1.1.9 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
- 1.2 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, 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
- 1.3 No waiver (whether express or implied) by the County Council of any breach or default by the Developer in performance or observance of any of the covenants 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 or from acting upon any subsequent breach or default
- 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 shall be governed and interpreted in accordance with the laws of England and shall be determined in the Courts of England and Wales
- 1.6 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 other than the Mortgagee whose consent is necessary for the Developer to enter into this Agreement and to comply with the obligations set out at clauses 1.12 and 1.13
- 1.7 The Developer 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 this Agreement
- 1.8 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) 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 2 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
- 1.9 The Developer covenants with the County Council as Highway Authority to comply with the provisions of the New Roads and Street Works Act 1991 and the Traffic Management Act 2004, and any amendments thereof
- 1.10 It is hereby agreed and declared that the provisions of the Contracts (Rights of

Third Parties) Act 1999 shall not apply to this Agreement

- 1.11 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. The Developer shall indemnify and keep the County Council indemnified against any breach of the Developer's obligations under this clause
- 1.12 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 and the County Council agrees to accept such dedication and adopt that part of the Site and the Highway Works as highway maintainable at the public expense
- 1.13 If called upon by the County Council so to do by notice in writing served within twenty-one years of the date of this Agreement 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 free in each case from encumbrances and together with all rights necessary to permit the use, inspection, maintenance, repair and replacement of the Highway Works and 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
- 1.14 The Mortgagee acknowledges and declares that this Agreement has been entered into by the Developer with its consent and that the Site shall be bound by the obligations contained in this Agreement
- 1.15 This Agreement is a Deed. Any financial default will be declared by the County Council and registered as a Local Land Charge under section 278(5)(c) of the 1980 Act
- 1.16 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 clause 3.5 of this Agreement
- 1.17 Where, in accordance with clause 1.16 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
- 1.18 Where the Agreement has lapsed in accordance with clause 1.16 or 1.17, the County Council may release to the Developer the Cash Deposit and interest 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. For the avoidance of doubt nothing in this clause requires the County Council to repay those sums payable under clause 3.5 of this Agreement save for any Commuted Sums not spent or committed

2 HIGHWAY WORKS

- 2.1 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
- 2.2 No work on the Highway Works shall commence and no contract or contracts in respect of the construction of the Highway Works shall be let until full details of the Highway Works have been submitted to the Director and the Director has given his written approval to the Highway Works and for the avoidance of doubt this Agreement does not constitute the written approval required under this clause
- 2.3 The Developer shall provide all relevant notices to the County Council under the New Roads and Street Works Act 1991 and Traffic Management Act 2004, and any amendments thereof
- 2.4 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
- 2.5 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
- 2.6 The Developer shall display and maintain prominent notices around the perimeter of the Site to warn the public of the dangers of entering the Site. However the display of such notices shall not relieve the Developer of any of his obligations and liabilities under this Agreement, the Control of Pollution Act 1974 or the Environment Protection Act 1990, or any amendments thereof
- 2.7 The Developer shall take or procure the taking of all necessary steps to avoid creating a nuisance from noise and from dust and as far as practicable the Highway Works are to be carried out in such a way that noise and dust are kept to a minimum
- 2.8 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
- 2.9 No Highway Works within or affecting existing public highways 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
- 2.10 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 and warning signs when and where necessary and undertake such further measures as may be reasonably required by the Director
- 2.11 Representatives of the County Council 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
- 2.12 On Substantial Completion of the Highway Works :-
 - 2.12.1 the Developer shall clear away and remove from the Site all constructional plant and temporary works of every kind and leave the Site in a safe, neat and tidy condition to the satisfaction of the Director
 - 2.12.2 the Developer shall provide the County Council with 6 paper copies of

the 'as constructed' drawings and a pdf thereof

- 2.12.3 the Director may issue a Certificate of Substantial Completion to the Developer
- 2.13 The Developer shall maintain the Highway Works for a period of eighteen (18) months (unless the Director agrees in writing a lesser period) 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. After the expiration of the period of eighteen (18) months and after any defects have been made good to the satisfaction of the Director he may issue at the written request of the Developer the Certificate of Final Completion in respect of the Highways Works

3 FINANCE

- 3.1 Where the Developer has provided a Cash Deposit, then after the issue of the Certificate of Substantial Completion the County Council may approve the release of up to 75% of the Cash Deposit Figure and upon the issue of the Certificate of Final Completion the County Council may release to the Developer the remainder of the Cash Deposit and interest applied at the Bank of England Base Rate minus 2 basis points, compounding annually at financial year end
- 3.2 The Developer shall be insured from the date of this Agreement and throughout the period of construction of the Highway Works within the timescales referred to in Schedule 2 (or any other period as agreed by the Director) for public liability risks in the sum of at least ten million pounds (£10,000,000) in respect of any single claim, and shall produce these insurance policies to the Director on demand
- 3.3 The Developer shall on the date of this Agreement pay to the County Council the Cash Deposit in the sum of the Cash Deposit Figure for the Highway Works
- 3.4 Should the Developer default in the execution of his obligations to carry out and maintain the Highway Works then the County Council may itself carry out and maintain the Highway Works having first called upon the Cash Deposit for the full cost to be expended in so doing
- 3.5 The Developer shall pay to the County Council:-

- 3.5.1 the legal costs of the County Council in connection with this Agreement prior to sealing of this Agreement; and
- 3.5.2 interest at four per cent above the Bank of England Base Rate on any sum due to the County Council under this Agreement from the date on which it is due until the date it is paid, and
- 3.5.3 the inspection/checking fees required by the County Council in connection with the Highways Works in the sum of £1,500.00 (One thousand five hundred pounds) prior to sealing of this Agreement;
- 3.5.4 the Commuted Sums prior to the sealing of this Agreement

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 **DENBURY HOMES LIMITED**

in the presence of:

Director:

Director/Secretary:

HSBC BANK PLC acting by its attorney in the presence of	DAUID PRICE
Witness Signature Powl Cahin	1
Name PAUL CAHIU	
Address CENTER ANY JUAZA,	18 HOLLIDAY STREET,
BIRMINGHAM	B1 175

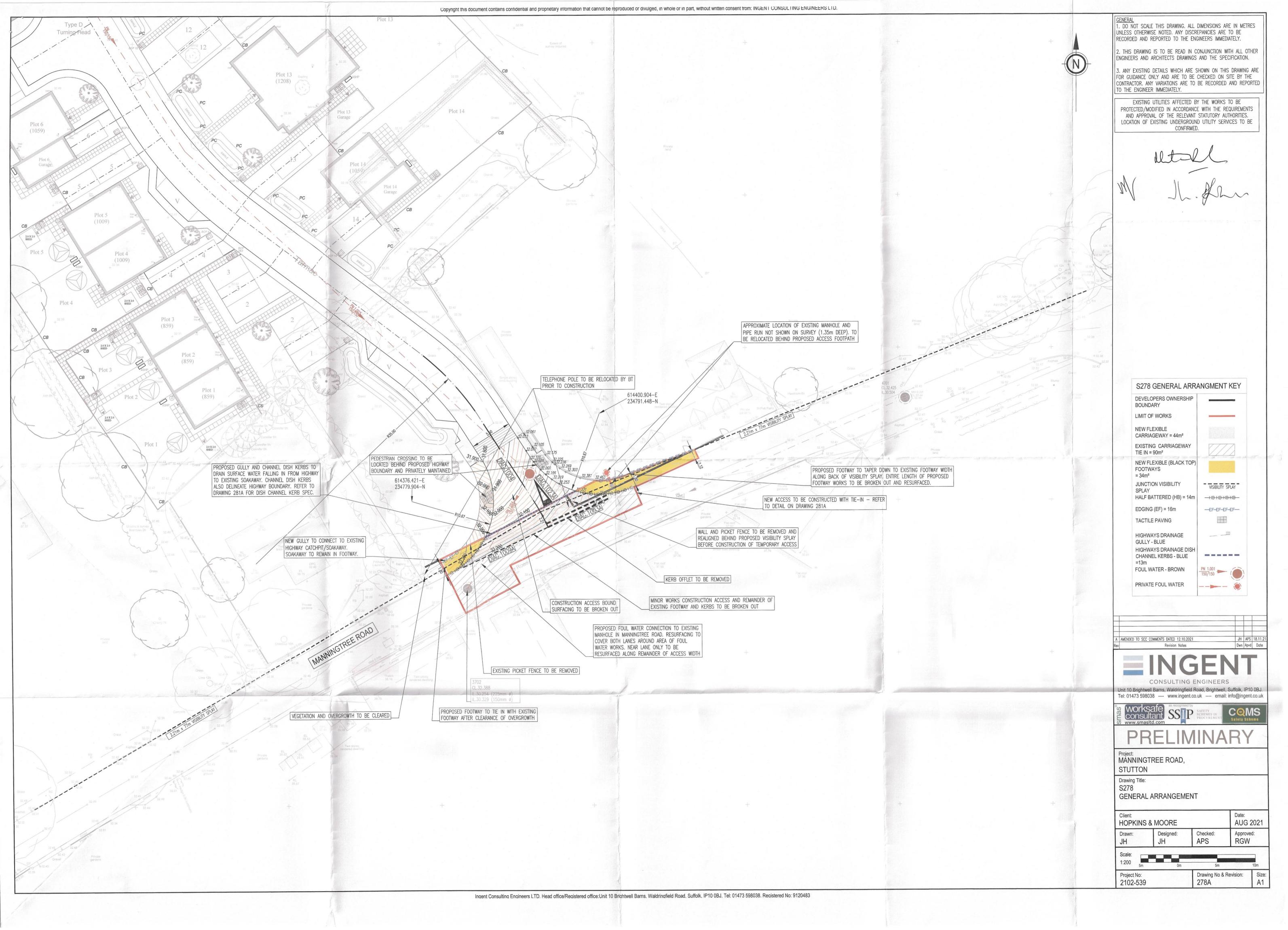
Schedule 1 Works Drawings

Drawing Title	Drawing No
S278 GENERAL ARRANGEMENT	2102-539-278A
S278 SITE CLEARANCE	2102-539-279A
S278 NEW KERB LAYOUT	2102-539-280A
S278 CONSTRUCTION DETAILS	2102-539-281A
S278 SITE LOCATION PLAN	2102-539-282A
S278 LAND DEDICATION PLAN	2102-539-290
SITE LOCATION PLAN	STU/001

Schedule 2

Location	Description of Works
Manningtree Road, Stutton	Construction of access for road to development of 14 units.

The Highways Works are to be commenced within one year of this Agreement and completed within 2 weeks of commencement





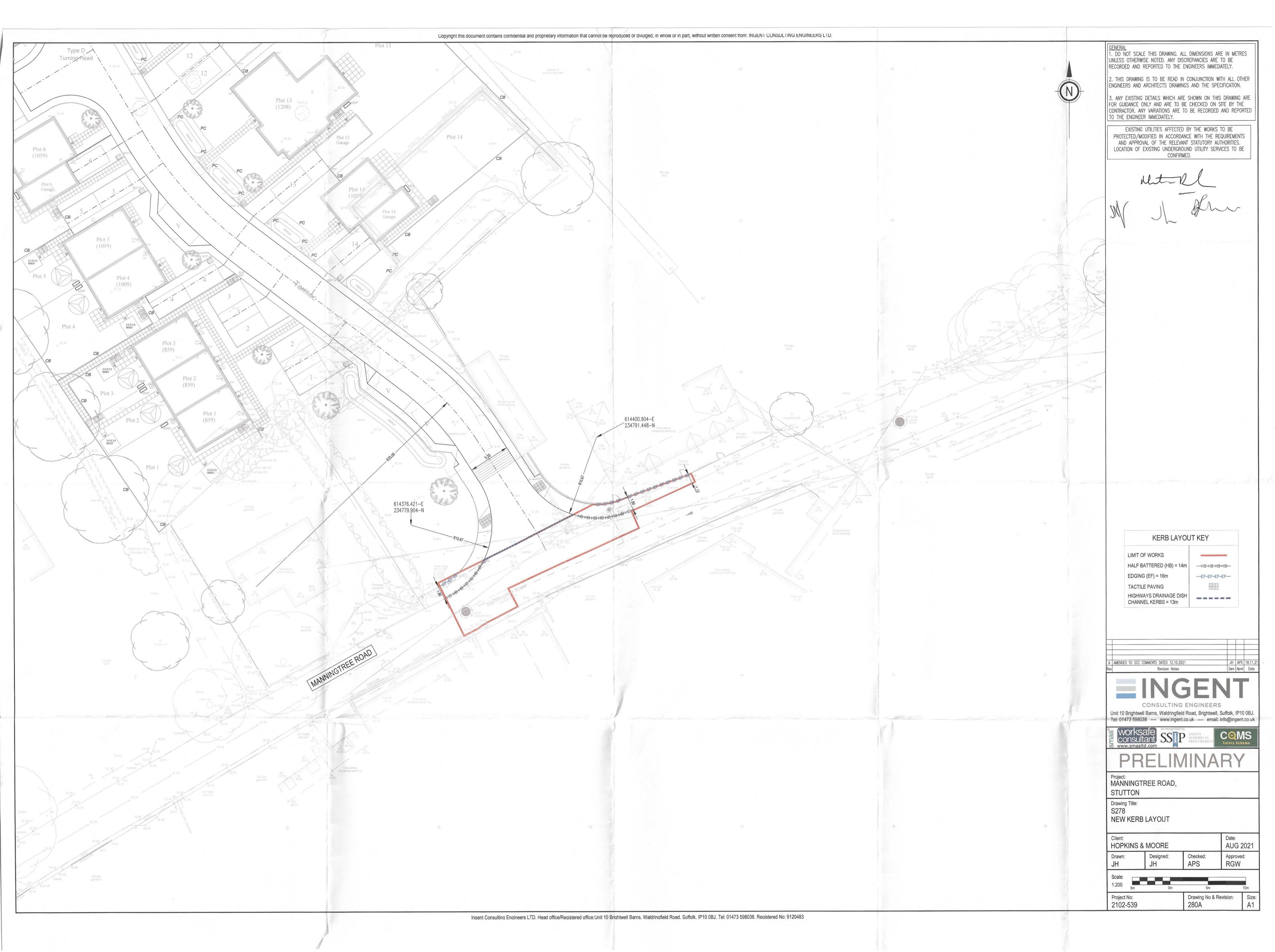


TABLE 5.2 DEPTH OF PAVEMENT COURSES

SUFFOLK COUNTY COUNCIL INDUSTRIAL ESTATE ROADS - NOTES FOR THE GUIDANCE OF DEVELOPERS

		CARRIAGEWAY (MM)	FOOTWAY (MM)
SURFACE COURSE (H	OT-ROLLED ASPHALT)	50	50
BINDER COURSE (HOT-ROLLED ASPHALT)		80	50
BASE COURSE (HOT-ROLLED ASPHALT)		150	80
SUB-BASE CBR	5%	225	200
	3-4%	380	300
	2%	500	400
	LESS THAN 2%	SPECIAL ENGINEERING SOLU	JTIONS WILL BE REQUIRED

- 1. ALL WORKS ARE TO BE TO SCC 'SPECIFICATION FOR ESTATE ROADS' MAY 2007. 2. FOOTWAY CROSSINGS SHALL BE CONSTRUCTED USING THE SAME MATERIALS AS THE ADJACENT CARRIAGEWAY. RADIUS KERBS MAY BE REQUIRED FOR LARGER UNITS.
- 3. INSITU CBR TESTING TO BE UNDERTAKEN AT FORMATION LEVEL AND RESULTS REPORTED TO THE ENGINEER PRIOR TO COMMENCEMENT OF HIGHWAY WORKS. IF FOUND TO BE CBR <2.0% CONSULT THE ENGINEER AND SOLUTION TO BE AGREED WITH THE LOCAL HIGHWAY AUTHORITY.

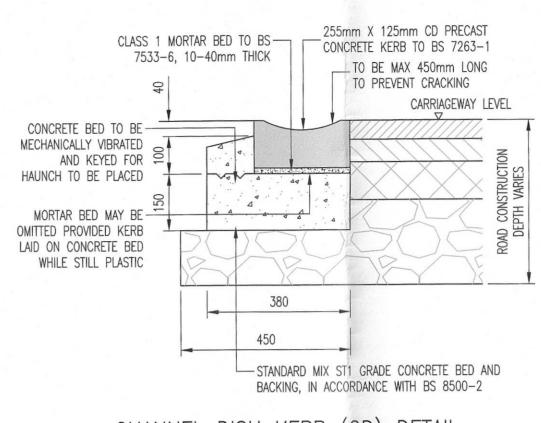
TABLE 9.2 DEPTH OF PAVEMENT COURSES

SUFFOLK COUNTY COUNCIL SPECIFICATION FOR ESTATE ROADS

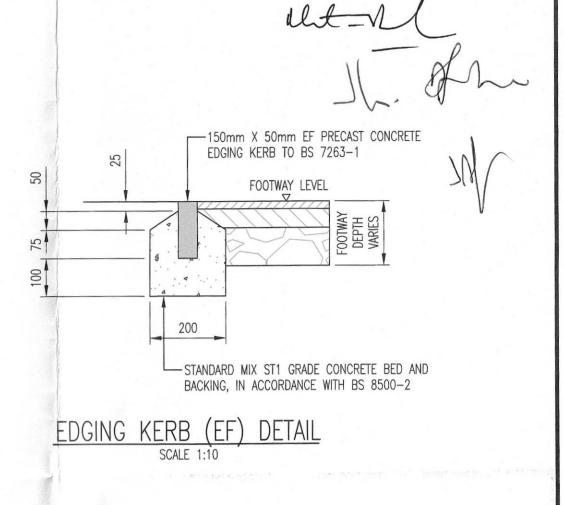
TYPE OF ROAD	DEPTH	DEPTH OF SUB BASE FOR CBR VALUES (mm) BASE COURSE DEPTH (mm) SURFACING DEF		DEPTH (mm)					
	<2%	2%	3%	4%	5%>	HRA/DBM	LEAN CONC.	BINDER COURSE	SURFACE COURSE
SHARED SURFACE ROAD	SEE NOTE 3	370	280	225	225	80 HRA 100 DBM		80mm THK CONG BLOCKS ON 35m	
MINOR ACCESS ROAD	SEE NOTE 3	420	320	250	225	100 HRA 120 DBM	130	60 HRA 60 HRA 50 HRA	50 HRA 50 HRA 50 HRA
MAJOR ACCESS ROAD	SEE NOTE 3	450	340	270	225	130 HRA 150 DBM	140	60 HRA 50 HRA 50 HRA	50 HRA 50 HRA 50 HRA
LOCAL DISTRIBUTOR ROAD	SEE NOTE 3	500	380	300	225	150 HRA 170 DBM	180	70 HRA 50 HRA 50 HRA	50 HRA 50 HRA 50 HRA

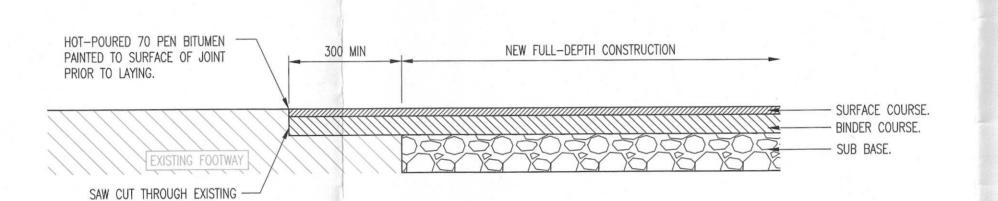
- 1. WHERE THE SUBGRADE IS FROST SUSCEPTIBLE, THE SUB-BASE DEPTH SHALL BE INCREASED TO PROVIDE A MINIMUM CONSTRUCTION DEPTH OF 450MM. 2. SUBGRADES OF POORLY GRADED SAND OR WITH CBR <5%, A GEOTEXTILE SEPARATOR SHALL BE LAID ON THE FULL WIDTH OF THE COMPACTED SUBGRADE
- PRIOR TO SPREADING THE SUB-BASE. CLAUSE.2.1.4 3. WHERE CBR VALUES ARE <2%, SPECIAL MEASURES WILL APPLY, ANY AREAS FOUND TO BE LESS THAN 2% THE ENGINEER MUST BE CONSULTED. CLAUSE.2.1.3
- 4. FOR CONCRETE BASE COURSE TO BE CONSTRUCTED LEAN CONCRETE MUST BE A CONTINUOUS OPERATION AND SHALL BE IN EXCESS OF 200m IN LENGTH OF FULL WIDTH CARRIAGEWAY. CLAUSE.9.5.1.
- 5. BASE COURSE LAYER IS REQUIRED TO BE INCREASED BY 20mm IN DESIGN THICKNESS TO ALLOW FOR ON-SITE CONSTRUCTION TRAFFIC. CLAUSE.8.3.3
- 6. ALL WORKS ARE TO BE TO THE SUFFOLK COUNTY COUNCIL 'SPECIFICATION FOR ESTATE ROADS' MAY 2007.

CLASS 1 MORTAR BED TO BS ____ 255mm X 125mm HB2 PRECAST 7533-6. 10-40mm THICK CONCRETE KERB TO BS 7263-1 -100MM KERB FACE FOR MINOR/MAJOR ACCESS, 125MM FOR LOCAL DISTRIBUTOR **ROADS** CARRIAGEWAY LEVEL CONCRETE BED TO BE-MECHANICALLY VIBRATED 8 AND KEYED FOR HAUNCH TO BE PLACED MORTAR BED MAY BE-OMITTED PROVIDED KERB LAID ON CONCRETE BED WHILE STILL PLASTIC 150 300 -STANDARD MIX ST1 GRADE CONCRETE BED AND BACKING, IN ACCORDANCE WITH BS 8500-2



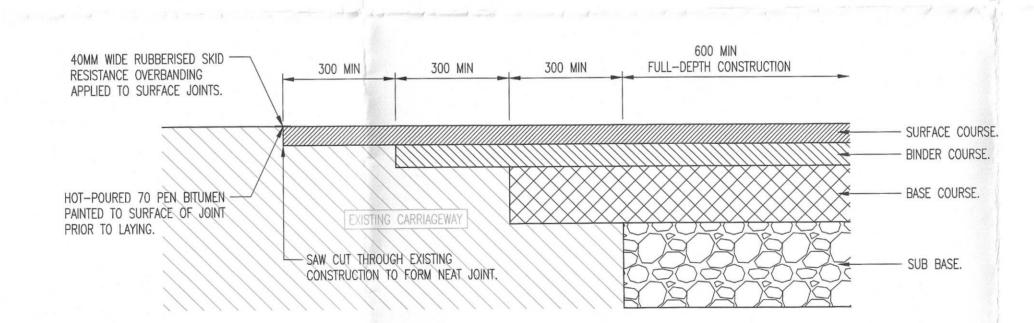
CHANNEL DISH KERB (CD) DETAIL





TYPICAL TIE-IN DETAIL TO EXISTING FOOTWAY CONSTRUCTION

CONSTRUCTION TO FORM NEAT JOINT.



1. GULLY GRATING AND FRAME TO BS EN124. REFER TO SCC SPECIFICATION FOR ESTATE ROADS CLAUSE 7.13.4 2. GULLY FRAME TO BE SET ON 10-20MM THICK CLASS 1 CEMENT MORTAR BED TO CLAUSE 2404 (MCHW VOLUME 1 5. BRICKWORK - MIN. ONE AND NOT MORE THAN THREE COURSES OF CLASS B ENGINEERING BRICKWORK LAID SQUARE. CHANGE IN PROFILE FROM SQUARE TO CIRCULAR TO BE SHAPED IN CLASS 1 MORTAR. 4. WHERE THE GULLY CONNECTION PIPE PASSES UNDER THE CARRIAGEWAY THE INVERT OF THE PIPE AT THE OUTLET SHALL BE SET AT LEAST 175MM BELOW FORMATION LEVEL. THE INVERT SHALL BE AT LEAST 315MM BELOW THE TOP OF THE SUB-BASE.

TYPICAL ROAD GULLY DETAIL

- MIN 100MM DEEP GRADE D400 GULLY GRATE AND

CARRIAGEWAY LEVEL.

FRAME TO BS EN 124:1994. HINGED, NON-REMOVABLE. GRATE TO BE SET 5mm LOWER THAN CARRIAGEWAY LEVEL WITH ANY GAPS FILLED WITH CLASS 1 MORTAR.

- 225MM THICK CLASS B ENGINEERING

BRICKWORK TO BS 3921, BEDDED &

JOINTED WITH 1:3 CEMENT MORTAR.

150MMØ TRAPPED OUTLET WITH RODDING EYE AND STOPPER.

5. NOTES 3 & 4. WHERE THE TOTAL ROAD CONSTRUCTION DEPTH EXCEEDS 450MM AND THE GULLY CONNECTION PIPE PASSES UNDER THE CARRIAGEWAY UP TO 5 COURSE OF BRICKWORK ARE PERMITTED.

FOOTWAY/MARGIN/LANDSCAPE

FOR KERB TYPE AND

SECTIONS/DETAILS

WITH BS 8500-2.

DIMENSIONS REFER TO

PRECAST CONCRETE ROAD

GULLY POT TO BS 5911-6.

150MM THICK STANDARD MIX -ST1 GRADE CONCRETE SURROUND, IN ACCORDANCE

TYPICAL CARRIAGEWAY TIE-IN TO EXISTING CARRIAGEWAY DETAIL SCALE 1:10

ROAD PAVEMENT FOUNDATIONS CD225 DESIGN FOR NEW PAVEMENT FOUNDATIONS

SUB BAS	SE LAYER ONLY		SUB BASE AND	CAPPING LAYER	
CBR MPa	TYPE 1 (mm)	CBR MF	Pa TYPE 1 (mm)	CAPPING (mm)	TOTAL
2.5% 31.6	400	2.5% 31	.6 240	410	650
2.8% 34.0	380	2.8% 34	1.0 230	390	620
3.0% 35.6	360	3.0% 35	5.6 230	370	600
4.0% 42.7	320	4.0% 42	2.7 220	320	540
5.0% 49.3	280	5.0% 49	9.3 200	250	450
6.0% 55.4	260	6.0% 55	5.4 180	240	420
7.0% 61.1	250	7.0% 61	1.1 170	230	400
8.0% 66.6	240	8.0% 66	5.6 160	220	380
9.0% 71.8	230	9.0% 71	1.8 150	210	360
10.0% 76.8	230	10.0% 76	6.8 150	200	350
11.0% 81.7	220	11.0% 81	1.7 150	190	340
12.0% 86.3	210	12.0% 86	6.3	180	330
13.0% 90.9	210	13.0% 90	0.9 150	170	320
14.0% 95.3	210	14.0% 95	5.3 150	160	310
15.0% 99.6	200	15.0% 99	9.6 150	150	300

3. MPA VALUES ARE CALCULATED FROM CBR'S USING THE FORMULA E=17.6(CBR)0.64

I. FOR CBR VALUES LESS THAN 2.5%, GROUND STABILISATION IS REQUIRED. 2. THE DESIGN FOUNDATION LAYER THICKNESSES GIVEN ABOVE ARE IN MM AND DERIVED FROM FIGURES 3.18 AND 3.20 OF 'CD 225 - DESIGN FOR NEW PAVEMENT FOUNDATIONS', ASSUMING A RESTRICTED DESIGN OPTION FOR A CLASS 2 FOUNDATION WITH SUB-BASE TO CLAUSE 803 OF MCHW1.

1800 - FOOTWAY 5500 - CARRIAGEWAY SURFACE COURSE - 20MM OF 6MM DENSE MACADAM. 1800 - FOOTWAY BINDER COURSE - 50MM OF 20MM DENSE-SURFACE COURSE - 50mm 30/14 HRA, SURFACE COURSE - 20MM OF 6MM DENSE MACADAM. -MACADAM. THICKEN TO 60MM FOR VEHICLE TYPE F RECIPE MIX 40/60 PEN BIT WITH BINDER COURSE - 50MM OF 20MM DENSE CROSSINGS. -BINDER COURSE - 60mm 50/20 HRA, 14mm STONE, 20mm PRE-COATED CHIPPINGS MACADAM. THICKEN TO 60MM FOR VEHICLE 40/60 PEN BITUMEN - THICKNESS MAY BE REDUCED CROSSINGS. TO 50mm IF DBM IS USED AS BASE COURSE. -SUBBASE - 100MM OF GRANULAR TYPE 1. INCREASED TO 300MM FOR VEHICLE CROSSINGS & 175MM SUBBASE - 100MM OF GRANULAR FOR CBR VALUES OF <2%. TYPE 1. INCREASED TO 300MM FOR VEHICLE CROSSINGS & 175MM 1000MM DEEP GREEN-TECH HDPE RIBBED ROOT BARRIER -FOR CBR VALUES OF <2%. PANELS WHERE TREES ARE WITHIN 5M OF HIGHWAY. WEED CONTROL FABRIC TO S.C.C. SPECIFICATION CLAUSE 10.4.3. OR BASE COURSE - 100MM HRA OR 120MM DBM. -1000MM DEEP GREEN-TECH HDPE RIBBED ROOT BARRIER GEOTEXTILE SEPARATOR TO S.C.C. SPECIFICATION CLAUSE 2.1.4. ON SUBBASE - REFER TO TABLE 9/2 SCC SPECIFICATION PANELS WHERE TREES ARE WITHIN 5M OF HIGHWAY. SUBGRADES OF POORLY GRADED SAND OR WITH CBR VALUES LESS FOR ESTATE ROADS FOR SUB BASE THICKNESS. THAN 5%, A GEOTEXTILE SEPARATOR SHALL BE LAID ON THE FULL WIDTH OF THE COMPACTED SUBGRADE, PRIOR TO LAYING THE SUB BASE. TYPICAL SECTION THROUGH FLEXIBLE MINOR ACCESS ROAD (CROSSFALL

A UPDATED TO SCC COMMENTS DATED 12.10.2021 Dwn Apvd Date CONSULTING ENGINEERS

Unit 10 Brightwell Barns, Waldringfield Road, Brightwell, Suffolk, IP10 0BJ. Tel: 01473 598038 ---- www.ingent.co.uk ---- email: info@ingent.co.uk

MANNINGTREE ROAD, STUTTON Drawing Title:

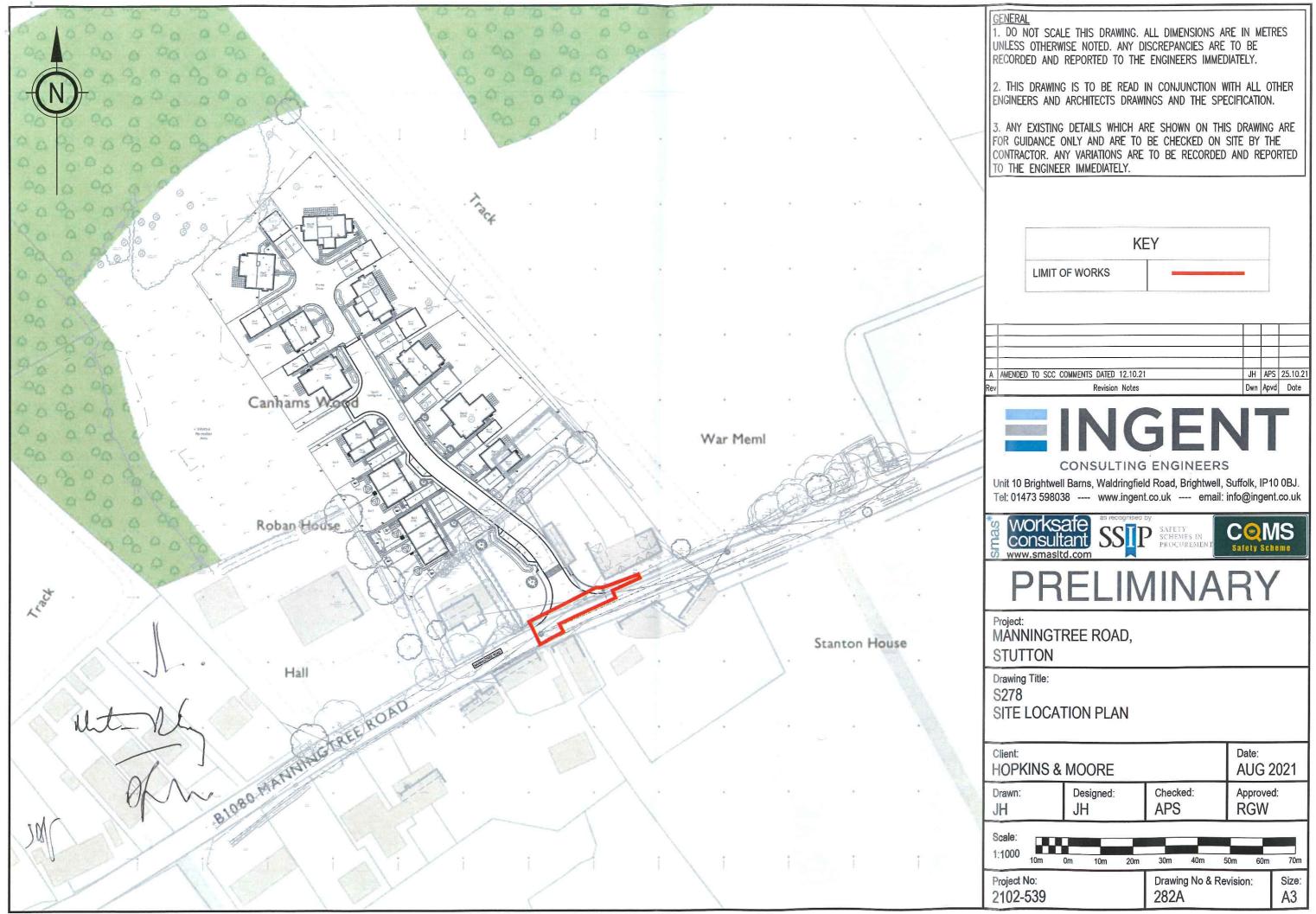
CONSTRUCTION DETAILS **HOPKINS & MOORE** AUG 2021

Approved:

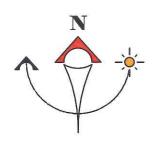
RGW

Checked: Designed: **APS** Scale: As Shown

Drawing No & Revision: Project No: 2102-539 281A









MtVL

PLANNING

Do not scale from this drawing to ascertain dimensions

Project: Manningtree Road, Stutton

Site Location Plan

Site Location Plan

-

LS 08/20 Checked By: Date:

Project No STU1 Dwg No: 001

Site Location Plan

1:2500

