

Fir Lodge Threshelfords Business Park Feering Essex CO5 9SE www.

ss Park Tel : 01376 573400 Fax : 01376 573480 email : info@cottee-tp.co.uk www.cotteetransportplanning.co.uk

**Transport Planning** 

## Transport Issues raised by the Tiptree Neighbourhood Plan – Update including reference to Colchester Borough Council's Topic Paper 6 and updated Policy SS14 - April 2021

## Introduction

• COTTEE Transport Planning have been instructed to consider additional Transport related points raised by the Tiptree Neighbourhood Plan.

## **Transport Update**

- 1. The COTTEE Transport note attached at Appendix 4 to Colchester Borough Council's (CBC) Topic Paper 6 dated January 2021 reviews the comments of the Examiner and provides a highlevel review of traffic figures based on the traffic data currently available and confirms that a detailed Transport Assessment will be undertaken in the usual manner as part of the planning process with further supporting traffic surveys and analysis to be provided.
- **2.** Policy SS14 confirms this approach at point (iv):

'Set out the policy framework within the parish to guide the delivery of any infrastructure/community facilities required to support the development. This will include a detailed transport assessment with a view to confirming provision of the first phases of a road between the B1022 and B1023;'

**3.** At Appendix 2 of the CBC Topic Paper 6 'Proposed Modifications' paragraph 14.219 it is stated that:

'Infrastructure necessary to deliver the growth up to 2033 will need to address cross boundary issues with neighbouring Local Planning Authorities and neighbouring Parishes. This will include the additional traffic generation forecasts for the proposed new junction 24 onto the A12 as well as from the growth locations. With the northern growth location there is potential for a new road which would ultimately link the B1022 and B1023. The Tiptree Neighbourhood Plan will be expected to deliver the first phases of the road through a design which allows future completion/linkage.'

- 4. As detailed in the COTTEE January 2021 note there is a need for Essex County Council (ECC) in consultation with Highways England (HE) to examine cross boundary issues especially in relation to traffic predictions for Inworth and routes to A12 junctions at Feering and Rivenhall. This requires that a wider strategic traffic modelling should be undertaken by HE / ECC given that the scheme is scheduled for opening in 2027/2028 and may precede Neighbourhood Plan allocated residential schemes coming forward in Tiptree. There is therefore a need for HE to undertake this work in consultation with ECC so that the traffic impacts of that A12 scheme can be considered in relation to Tiptree and surrounding villages.
- 5. The high-level traffic assessment undertaken by COTTEE for the three sites to the north of Tiptree provided traffic flows and traffic flow diagrams have now been produced and attached and to this note. This work confirms there is a case to examine the link road further since it demonstrates reduced traffic on local roads and junctions. This can be explored through further surveys and modelling as part of the planning process. In the meantime, as a first phase (as described in CBC's paragraph 14.219 above) the connections at each end of a potential future link could be delivered with the road designs allowing for a future connection to be completed. The no link road situation and associated mitigation measures would be examined as part of the analysis.

## **Traffic Flow Diagrams**

- **6.** Traffic flow diagrams to support the COTTEE Transport Planning document included at Appendix 4 of CBC's Topic Paper 6 and requested by ECC are attached as follows:
- 1866-TFD-A Highland Nursery distribution (%)
- 1866-TFD-B Highland Nursery vehicle movements
- 1866-TFD-C Tower End distribution (%)
- 1866-TFD-D Tower End vehicle movements
- 1866-TFD-E Elms Farm distribution (%)
- 1866-TFD-F Elms Farm vehicle movements
- 1866-TFD-G Combined vehicle movements (No Links)
- 1866-TFD-H Highland Nursery vehicle movements (With Links)
- 1866-TFD-I Tower End vehicle movements (With Links)
- 1866-TFD-J Elms Farm vehicle movements (With Links)
- 1866-TFD-K Combined vehicle movements (With Links)
- **7.** The impact in numerical terms of traffic from the three north Tiptree developments on key links and the double mini roundabout at the junction of Maypole Road and Kelvedon Road has been estimated as follows (these differ marginally from the figures presented in the COTTEE January

Road link /	No link		With link	
junction	AM peak	PM peak	AM peak	PM peak
Double mini	201	202	40	40
Kelvedon Road	174	175	13	13
Maypole Road	163	164	27	27
Other Tiptree	20	20	20	20
roads				

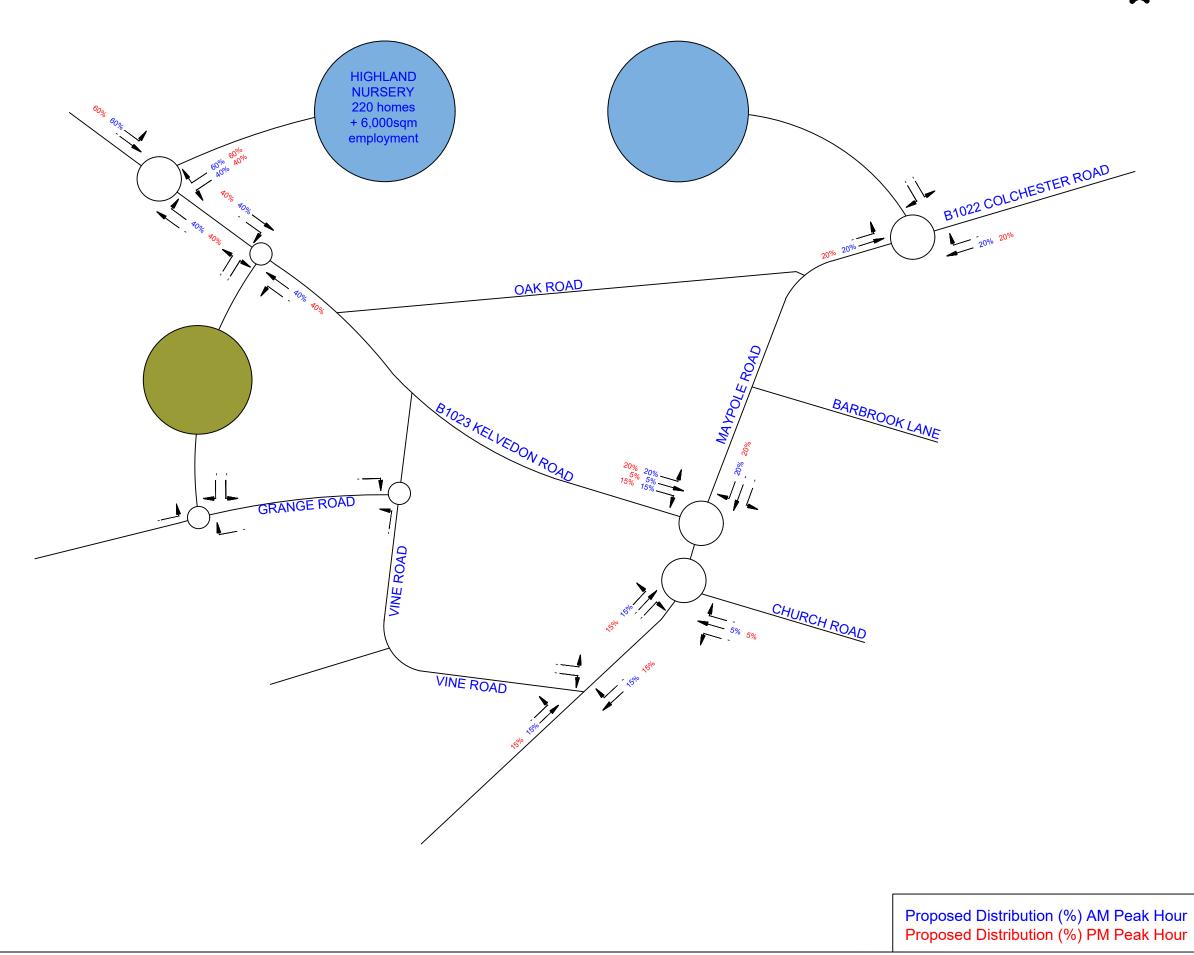
2021 note but do not affect the conclusions). The updated figures show that a link road would reduce traffic further on Kelvedon Road by about 20 additional vehicles in each peak hour:

8. A high-level indication of the percentage impact of the combined three schemes at each location (with and without a link road) based on the Gladman 2023 figures is shown in the table below which indicates significant improvements (up to an 19% reduction) with the link in place – again the updated figures show a further improvement for Kelvedon Road when compared to the January 2021 figures:

Road link /	No link		With link	
junction	AM peak	PM peak	AM peak	PM peak
Double mini	9%	9%	2%	2%
Kelvedon Road	19%	18%	1%	1%
Maypole Road	13%	15%	2%	3%

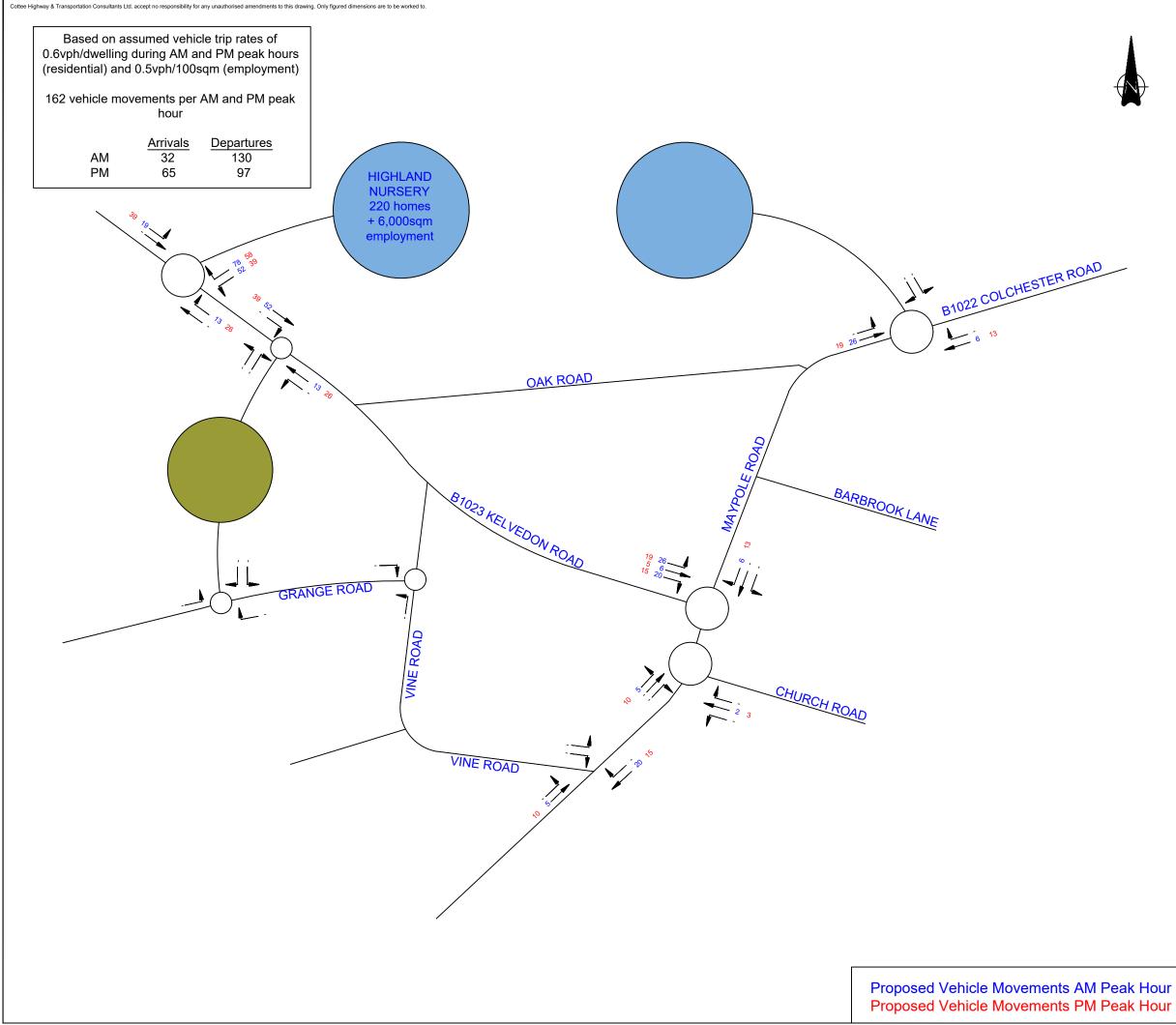
In summary the update further demonstrates the benefits of the link road as proposed in the draft Neighbourhood Plan.





		© Crown copyright All rights reserved Licence No. AL 100016	166
1		Contains Ordnance Sur Data © Crown copyrigh	vey
		and database right 201	
_			
	NOTE:		
		e introduced to dete	
	-	ak Road as a rat-ru period before the lin	
	road is constructed	l.	
	СОТТЕЕ Тг	ansport Planning	
	Fir Lodge Threshelfords Business Park	T-1 - 04070 5704	00
	Feering Essex	Fax : 01376 5734 email : info@cottee-tp.co.	80 uk
	CO5 9SE www.	cotteetransportplanning.co.	uk
	MERSEA	HOMES	
		POSED LOCAL	
		OCATIONS	-
	-	NURSERY	
	DISTRIB	UTION %	
	A FIRMIN	MC	
		APR 2021	
eak Hour	1866-	TFD-A	

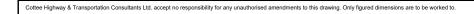
Cottee Highway & Transportation Consultants Ltd. accept no responsibility fr amendments to this drawing. Only figured dimensions are to be worked to. COPYRIGHTORESERVED

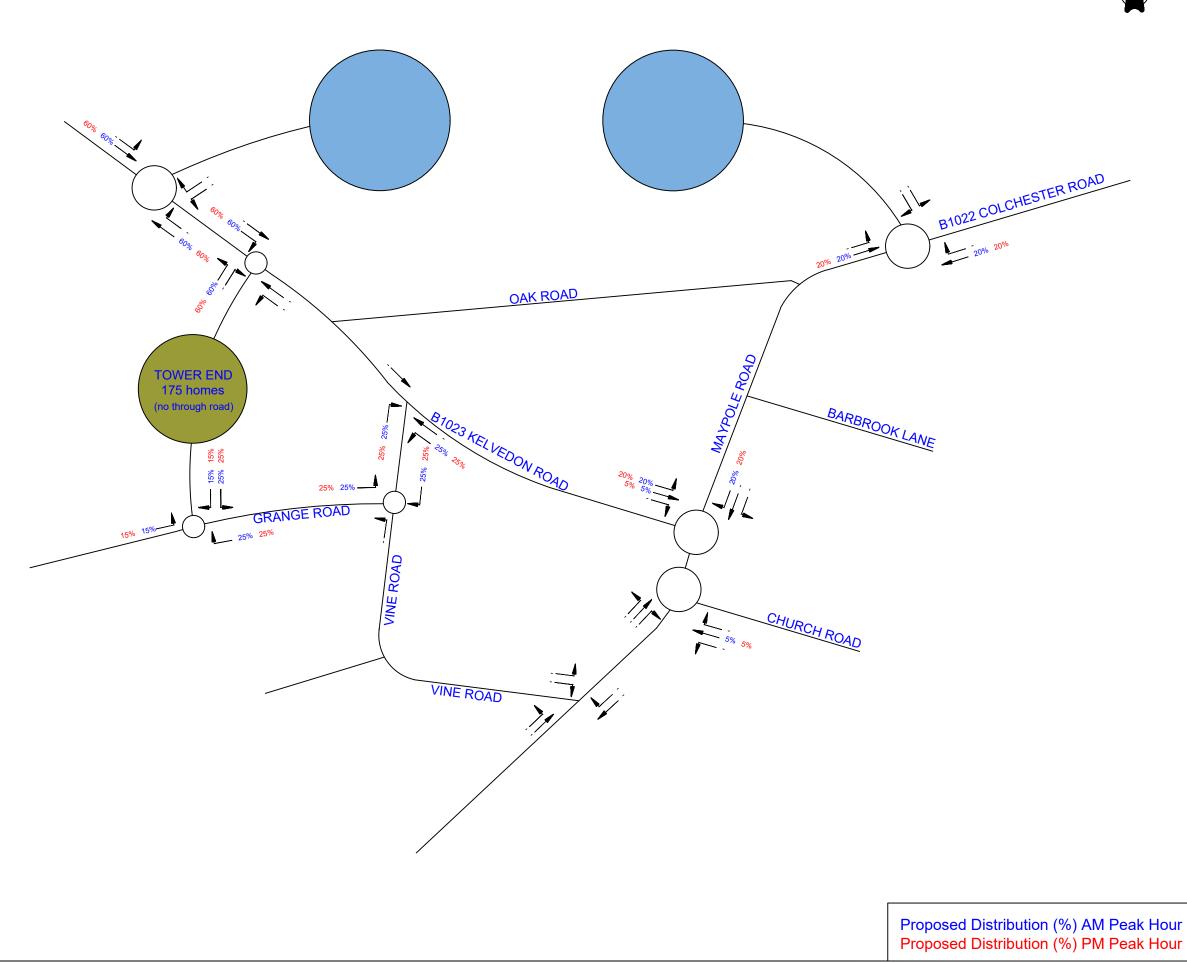


		© Crown copyright All rights reserved Licence No. AL 100016166
		Contains Ordnance Survey Data © Crown copyright and database right 2016
-		
	traffic from using C	e introduced to deter lak Road as a rat-run period before the link
		ansport Planning
	Fir Lodge	
		Tel : 01376 573400 Fax : 01376 573480 email : info@cottee-tp.co.uk cotteetransportplanning.co.uk
	Client	HOMES
		POSED LOCAL OCATIONS
		NURSERY OVEMENTS
		Checked MC
	NIS @ A3	APR 2021
ak Hour	1800-	TFD-B

Cottee Highway & Transportation Consultants Ltd. accept no respo amendments to this drawing. Only figured dimensions are to be worked to.

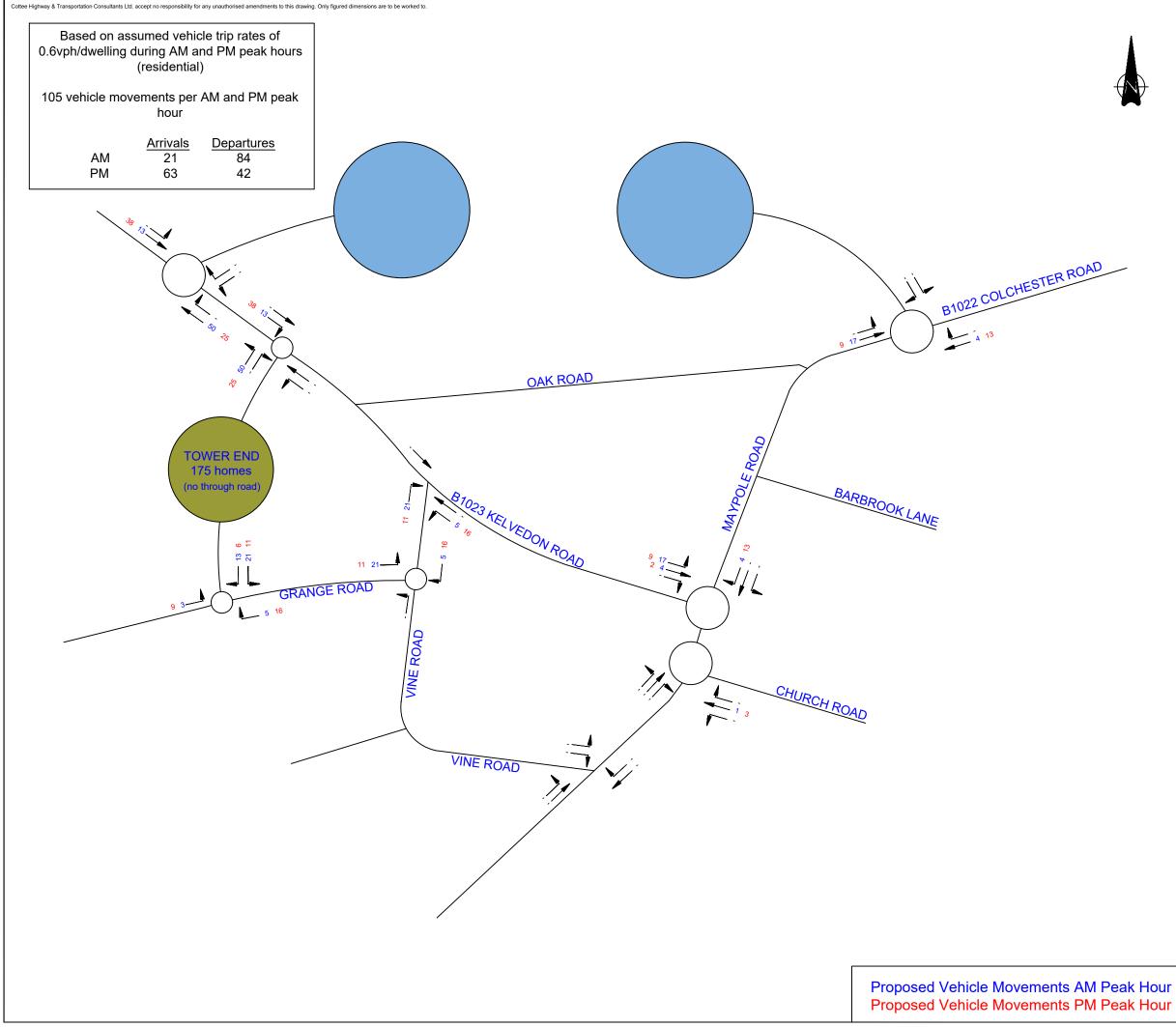
COPYRIGHTCRESERVED





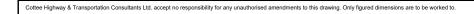
		© Crown copyright All rights reserved Licence No. AL 100016166
		Contains Ordnance Survey Data © Crown copyright and database right 2016
-		
	measures would be traffic from using C	on assumes that e introduced to deter oak Road as a rat-run period before the link
	road is constructed	
		ansport Planning
	Fir Lodge Threshelfords Business Park Feering Essex CO5 9SE www.	Tel : 01376 573400 Fax : 01376 573480 email : info@cottee-tp.co.uk cotteetransportplanning.co.uk
	Client	HOMES
		OPOSED LOCAL OCATIONS
		R END UTION %
	Drawn A FIRMIN	
	Scale NTS @ A3	<sup>Date</sup> APR 2021
eak Hour	1866-	TFD-C

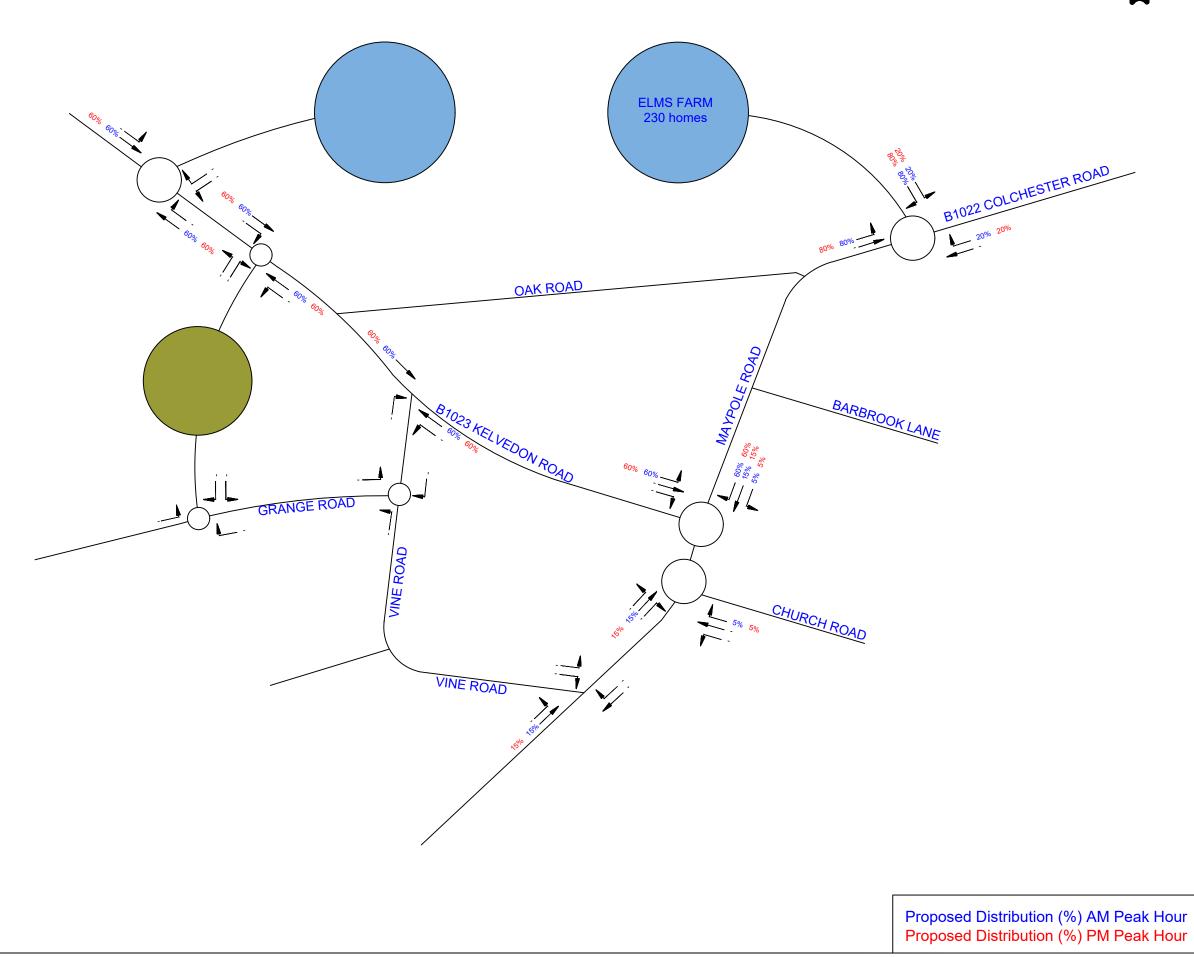
Cottee Highway & Transportation Consultants Ltd. accept no responsibility fr amendments to this drawing. Only figured dimensions are to be worked to. COPYRIGHTORESERVED



		© Crown copyright All rights reserved Licence No. AL 100016166
		Contains Ordnance Survey Data © Crown copyright and database right 2016
-		
	measures would be traffic from using O	on assumes that e introduced to deter ak Road as a rat-run period before the link
	COTTEE Tr	ansport Planning
	Fir Lodge Threshelfords Business Park Feering Essex CO5 9SE www.t	Tel : 01376 573400 Fax : 01376 573480 email : info@cottee-tp.co.uk cotteetransportplanning.co.uk
	Client	HOMES
		POSED LOCAL OCATIONS
		R END OVEMENTS
		Checked MC
	NIS @ A3	APR 2021 TFD-D
ak Hour	1900-	

Cottee Highway & Transportation Consultants Ltd. accept n amendments to this drawing. Only figured dimensions are to be worked to. COPYRIGHTCRESERVED

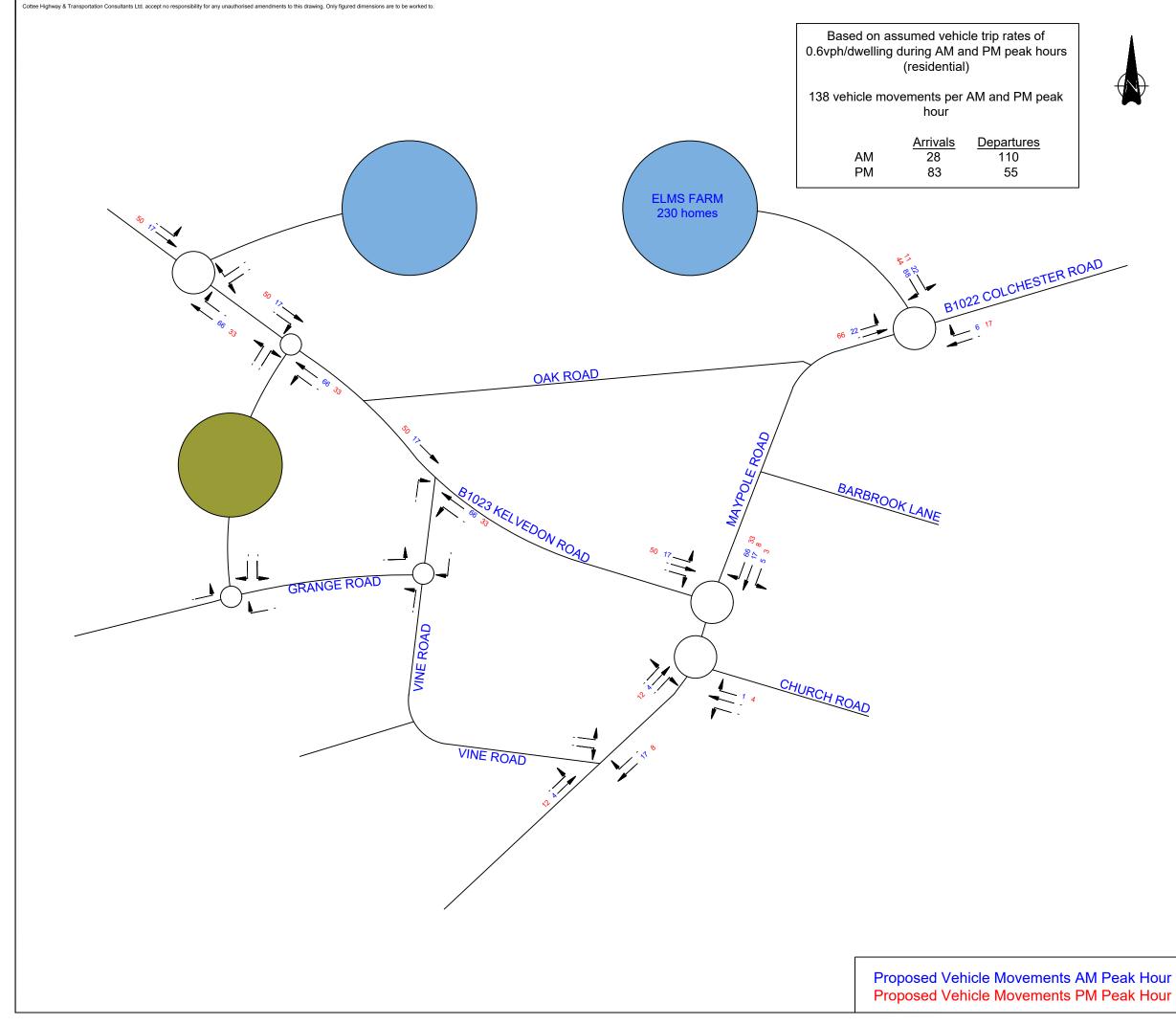




		© Crown copyright All rights reserved Licence No. AL 100016166
		Contains Ordnance Survey Data © Crown copyright and database right 2016
_		
	traffic from using C	e introduced to deter oak Road as a rat-run period before the link
	COTTEE Tr	ansport Planning
		Tel : 01376 573400 Fax : 01376 573480 email : info@cottee-tp.co.uk cotteetransportplanning.co.uk
	Client	HOMES
		OPOSED LOCAL OCATIONS
		FARM UTION %
		Checked MC
	NIS @ A3	APR 2021
eak Hour	1866-	TFD-E

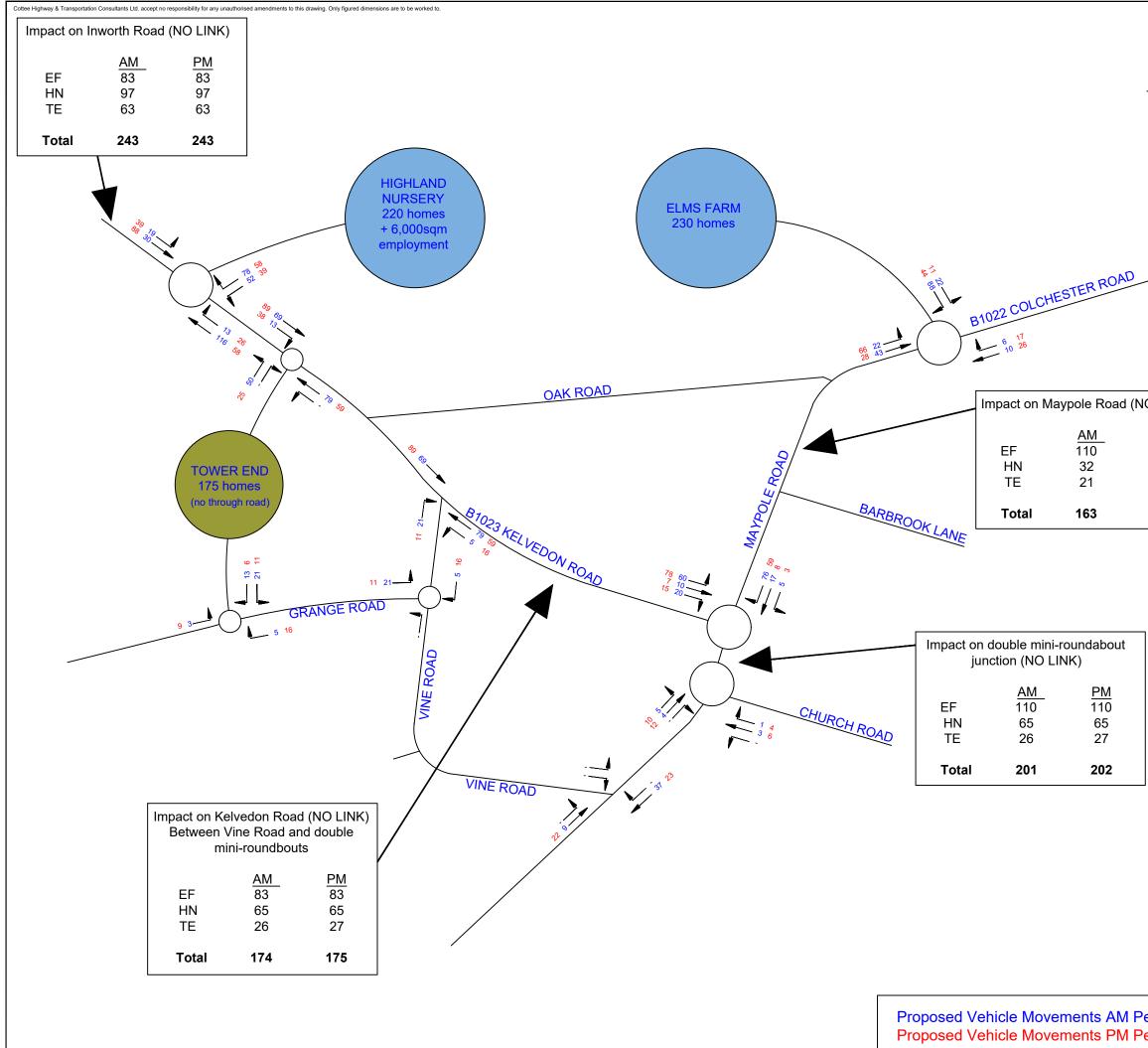
Cottee Highway & Transportation Consultants Ltd. accept no responsibility fr amendments to this drawing. Only figured dimensions are to be worked to.

COPYRIGHT

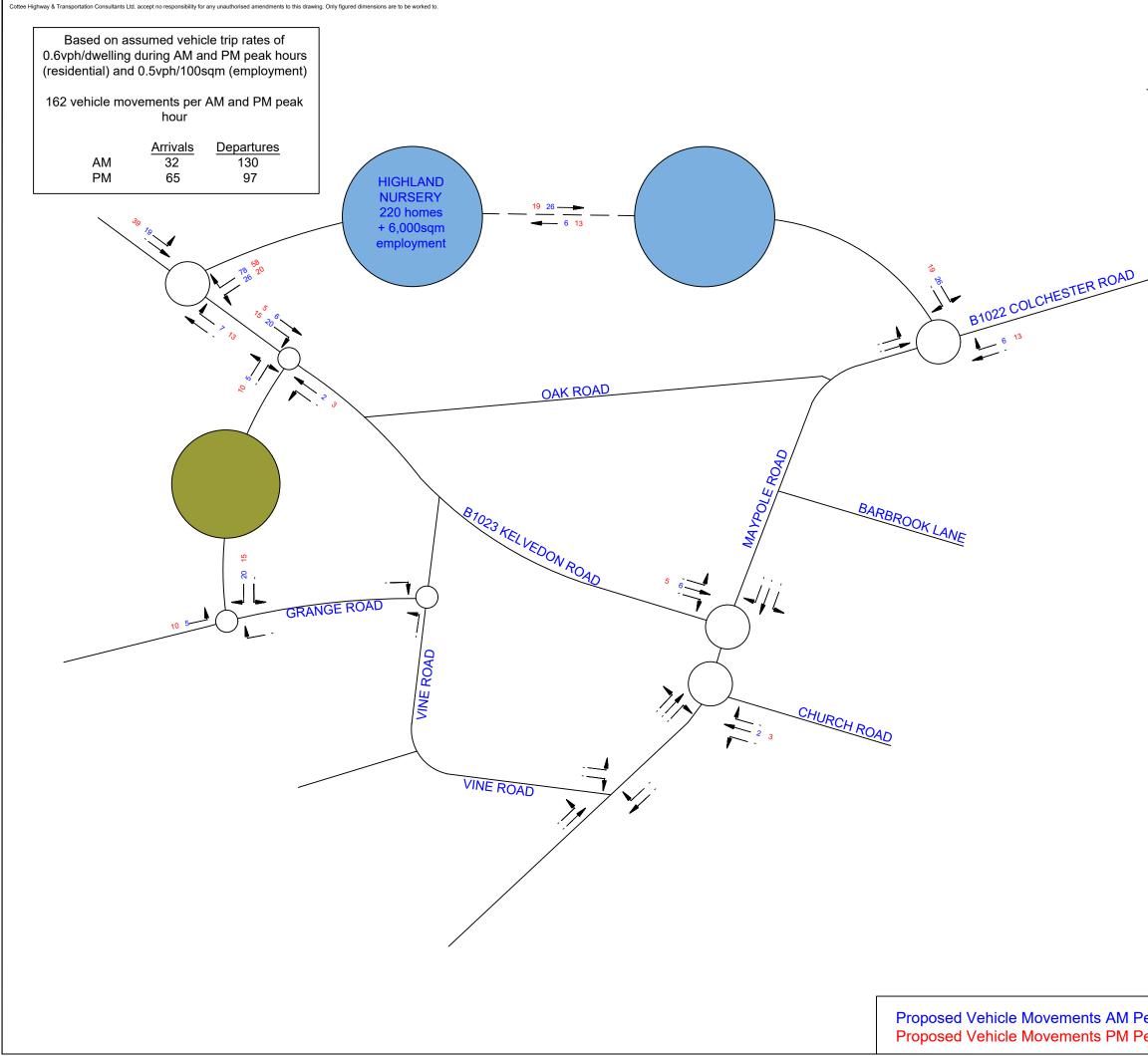


_		© Crown copyright All rights reserved Licence No. AL 100016166
		Contains Ordnance Survey Data © Crown copyright and database right 2016
_		
	measures would be traffic from using O	on assumes that e introduced to deter ak Road as a rat-run period before the link
	СОТТЕЕ Тг	ansport Planning
	Fir Lodge Threshelfords Business Park Feering Essex CO5 9SE www.t	Tel : 01376 573400 Fax : 01376 573480 email : info@cottee-tp.co.uk cotteetransportplanning.co.uk
	Client	HOMES
		POSED LOCAL OCATIONS
		FARM OVEMENTS
		Checked MC
	NIS @ A3	APR 2021
ak Hour	1866-	TFD-F

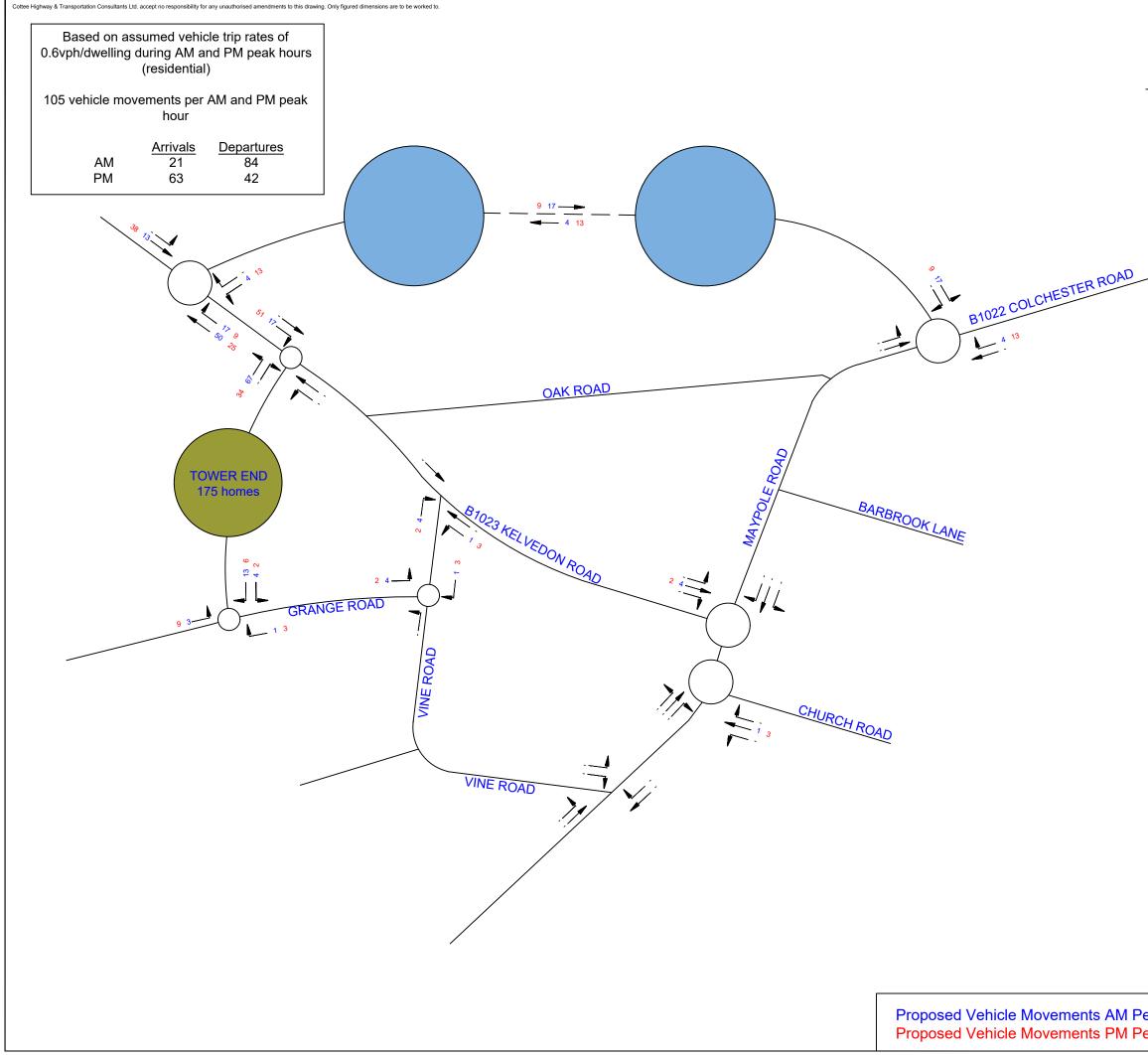
Cottee Highway & Transportation Consultants Ltd. accept amendments to this drawing. Only figured dimensions are to be worked to. COPYRIGHT



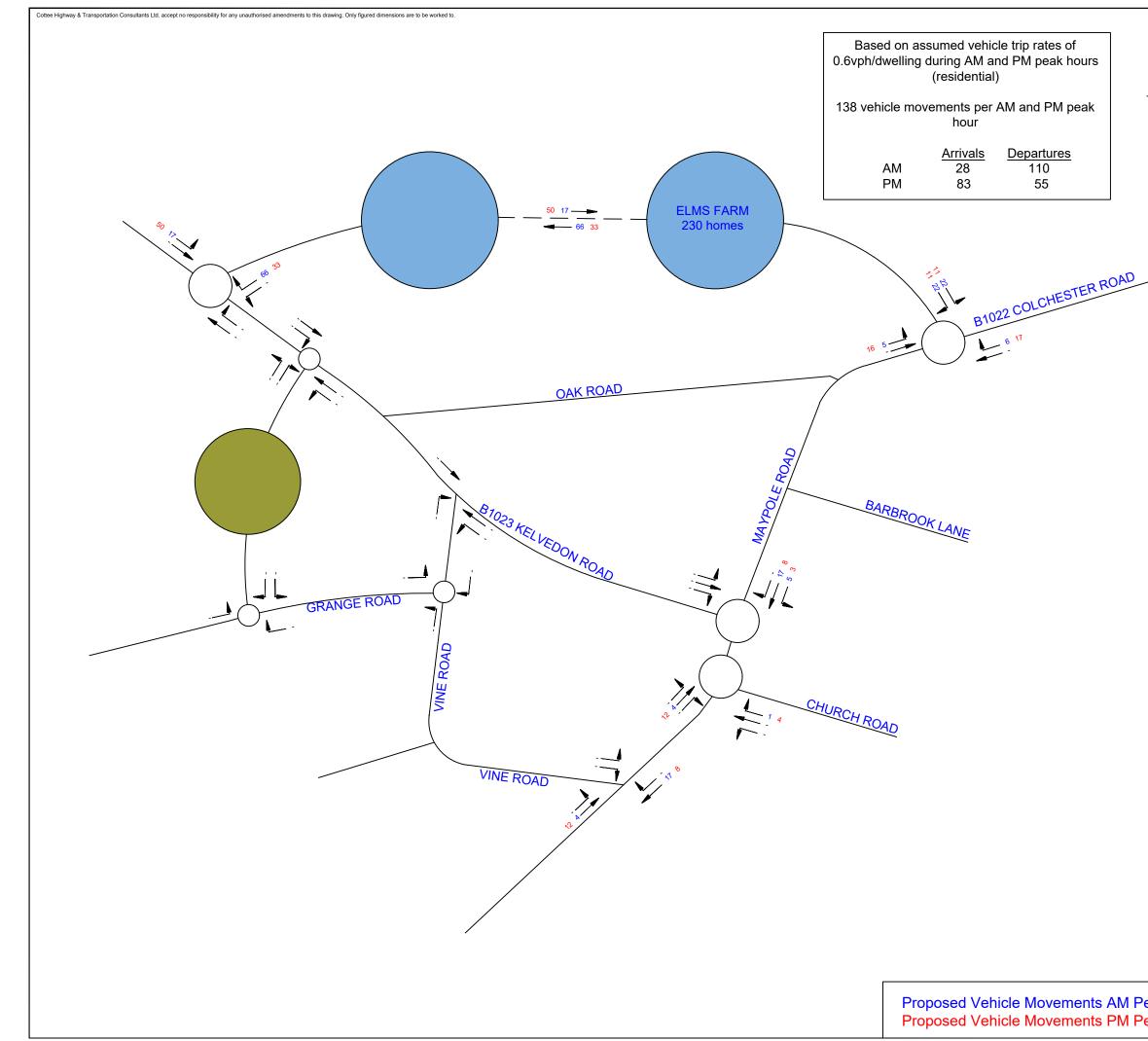
	© Crown copyright All rights reserved Licence No. AL 100016166 Contains Ordnance Survey Data © Crown copyright and database right 2016
IO LINK) <u>PM</u> 110 32	
22 164	
	<b>NOTE:</b> The 'no link' situation assumes that measures would be introduced to deter traffic from using Oak Road as a rat-run during the interim period before the link road is constructed.
	Fir Lodge         Threshelfords Business Park         Threshelfords Business Park         Tel:         01376         Feering         Essex         email:         info@cottee-tp.co.uk         CO5 9SE
-	MERSEA HOMES
	TIPTREE - PROPOSED LOCAL PLAN ALLOCATIONS
	Title COMBINED VEHICLE MOVEMENTS (NO LINK ROAD)
	A FIRMIN Checked MC
	<sup>Scale</sup> NTS @ A3 <sup>Date</sup> APR 2021 Drawing No. 1866-TFD-G
eak Hour eak Hour	Cottee Highway & Transportation Consultants Ltd. accept no responsibility for any unauthorised amendments to this drawing. Only figured dimensions are to be worked to.



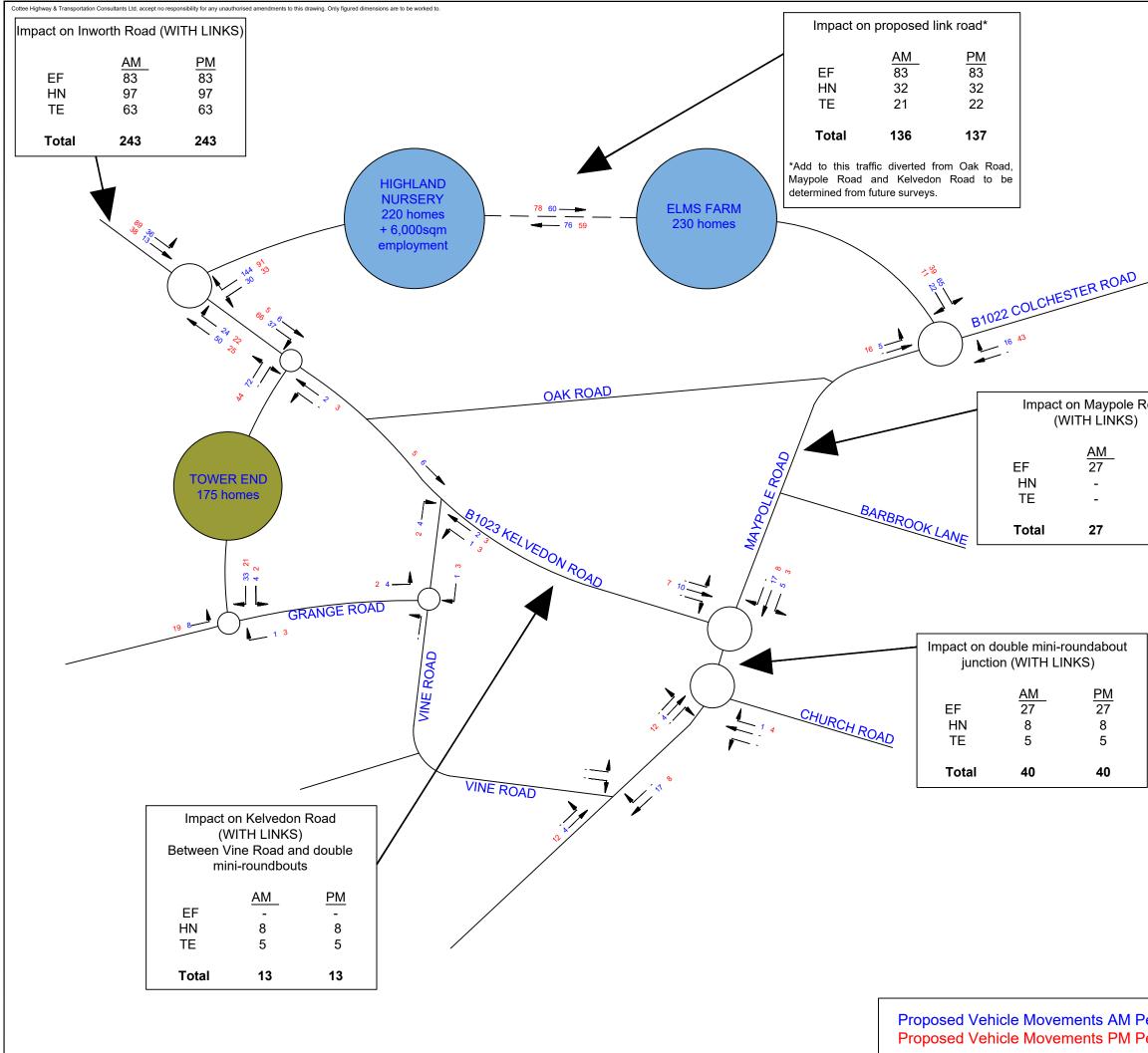
© Crown copyright All rights reserved
Licence No. AL 100016166
Contains Ordnance Survey Data © Crown copyright and database right 2016
and database right 2016
COTTEE Transport Planning
<b>COTTEE</b> Transport Planning
COTTEE       Transport Planning         Fir Lodge       Threshelfords Business Park       Tel : 01376 573400
Fir LodgeThreshelfords Business ParkTel : 01376 573400FeeringFax : 01376 573480
Fir Lodge       Threshelfords Business Park     Tel : 01376 573400       Feering     Fax : 01376 573480
Fir Lodge Threshelfords Business Park Tel : 01376 573400 Feering Fax : 01376 573480 Essex email : info@cottee-tp.co.uk CO5 9SE www.cotteetransportplanning.co.uk
Fir Lodge         Threshelfords Business Park       Tel : 01376 573400         Feering       Fax : 01376 573480         Essex       email : info@cottee-tp.co.uk         CO5 9SE       www.cotteetransportplanning.co.uk
Fir Lodge Threshelfords Business Park Tel : 01376 573400 Feering Fax : 01376 573480 Essex email : info@cottee-tp.co.uk CO5 9SE www.cotteetransportplanning.co.uk
Fir Lodge Threshelfords Business Park Tel : 01376 573400 Feering Fax : 01376 573480 Essex email : info@cottee-tp.co.uk CO5 9SE www.cotteetransportplanning.co.uk Client MERSEA HOMES Project TIPTREE - PROPOSED LOCAL
Fir Lodge Threshelfords Business Park Tel : 01376 573400 Feering Fax : 01376 573480 Essex email : info@cottee-tp.co.uk CO5 9SE www.cotteetransportplanning.co.uk Client MERSEA HOMES
Fir Lodge Threshelfords Business Park Tel : 01376 573400 Feering Fax : 01376 573480 Essex email : info@cottee-tp.co.uk CO5 9SE www.cotteetransportplanning.co.uk Client MERSEA HOMES Project TIPTREE - PROPOSED LOCAL
Fir Lodge Threshelfords Business Park Feering Essex email : info@cottee-tp.co.uk CO5 9SE Www.cotteetransportplanning.co.uk Client MERSEA HOMES Project TIPTREE - PROPOSED LOCAL PLAN ALLOCATIONS Title HIGHLAND NURSERY VEHICLE MOVEMENTS
Fir Lodge Threshelfords Business Park Feering Essex CO5 9SE The mail : info@cottee-tp.co.uk Www.cotteetransportplanning.co.uk Client TIPTREE - PROPOSED LOCAL PLAN ALLOCATIONS The HIGHLAND NURSERY VEHICLE MOVEMENTS (WITH LINKS)
Fir Lodge Threshelfords Business Park Feering Essex email : info@cottee-tp.co.uk CO5 9SE Www.cotteetransportplanning.co.uk Client MERSEA HOMES Project TIPTREE - PROPOSED LOCAL PLAN ALLOCATIONS Title HIGHLAND NURSERY VEHICLE MOVEMENTS
Fir Lodge Threshelfords Business Park Fering Essex Essex Email : info@cottee-tp.co.uk CO5 9SE Essex Client TIPTREE - PROPOSED LOCAL PLAN ALLOCATIONS Title HIGHLAND NURSERY VEHICLE MOVEMENTS (WITH LINKS)
Fir Lodge Threshelfords Business Park Fering Essex CO5 9SE TIPTREE - PROPOSED LOCAL PLAN ALLOCATIONS Title HIGHLAND NURSERY VEHICLE MOVEMENTS (WITH LINKS) Drawn A FIRMIN Checked MC Checked Checke
Fir Lodge Threshelfords Business Park Feering Feering Essex CO5 9SE Feering Feering Feering Essex Fering Froject TIPTREE - PROPOSED LOCAL PLAN ALLOCATIONS The HIGHLAND NURSERY VEHICLE MOVEMENTS (WITH LINKS) Drawn A FIRMIN Checked MC Scale NTS @ A3 Date APR 2021



	©Crown copyright All rights reserved
	Licence No. AL 100016166
	Contains Ordnance Survey Data © Crown copyright and database right 2016
	and database right 2016
•••	
_	
	COTTEE Transport Planning
	Fir Lodge Threshelfords Business Park Tel : 01376 573400 Encidence 5 01070 570400
	Feering         Fax : 01376 573480           Essex         email : info@cottee-tp.co.uk
	CO5 9SE www.cotteetransportplanning.co.uk
	MERSEA HOMES
	Project
	TIPTREE - PROPOSED LOCAL
	PLAN ALLOCATIONS
	TOWER END VEHICLE
	(WITH LINKS)
	A FIRMIN MC
	NTS @ A3 APR 2021
eak Hour	Drawing No. 1866-TFD-I
eak Hour	Cottee Highway & Transportation Consultants Ltd. accept no responsibility for any unauthorised amendments to this drawing. Only figured dimensions are to be worked to. COPYRIGHT@RESERVED
	COPYRIGHICKESERVED



	©Crown copyright All rights reserved
	Licence No. AL 100016166 Contains Ordnance Survey
	Data © Crown copyright and database right 2016
_	
	COTTEE Transport Planning
	Fir Lodge
	Threshelfords Business Park Tel : 01376 573400 Feering Fax : 01376 573480
	Essex email : info@cottee-tp.co.uk CO5 9SE www.cotteetransportplanning.co.uk
	Client
	MERSEA HOMES
	Project
	TIPTREE - PROPOSED LOCAL
	PLAN ALLOCATIONS
	Title ELMS FARM VEHICLE
	(WITH LINKS)
	NTS @ A3 APR 2021
eak Hour	1866-TFD-J
eak Hour	Cottee Highway & Transportation Consultants Ltd. accept no responsibility for any unauthorised amendments to this drawing. Only figured dimensions are to be worked to.



	© Crown copyright All rights reserved Licence No. AL 100016166 Contains Ordnance Survey Data © Crown copyright and database right 2016
boad <u>PM</u> 27 - - <b>27</b>	
	COTTEE       Transport Planning         Fir Lodge       Threshelfords Business Park       Tel : 01376 573400         Feering       Fax : 01376 573480       Essex         Essex       email : info@cottee-tp.co.uk         CO5 9SE       www.cotteetransportplanning.co.uk         Client       MERSEA HOMES
	Project TIPTREE - PROPOSED LOCAL PLAN ALLOCATIONS TITLE COMBINED VEHICLE MOVEMENTS
	(WITH LINKS)       Drawn     A FIRMIN     Checked MC       Scale     NTS @ A3     Date     APR 2021
eak Hour eak Hour	Cottee Highway & Transportation Consultants Ltd. accept no responsibility for any unauthorised amendments to this drawing. Only figured dimensions are to be worked to.