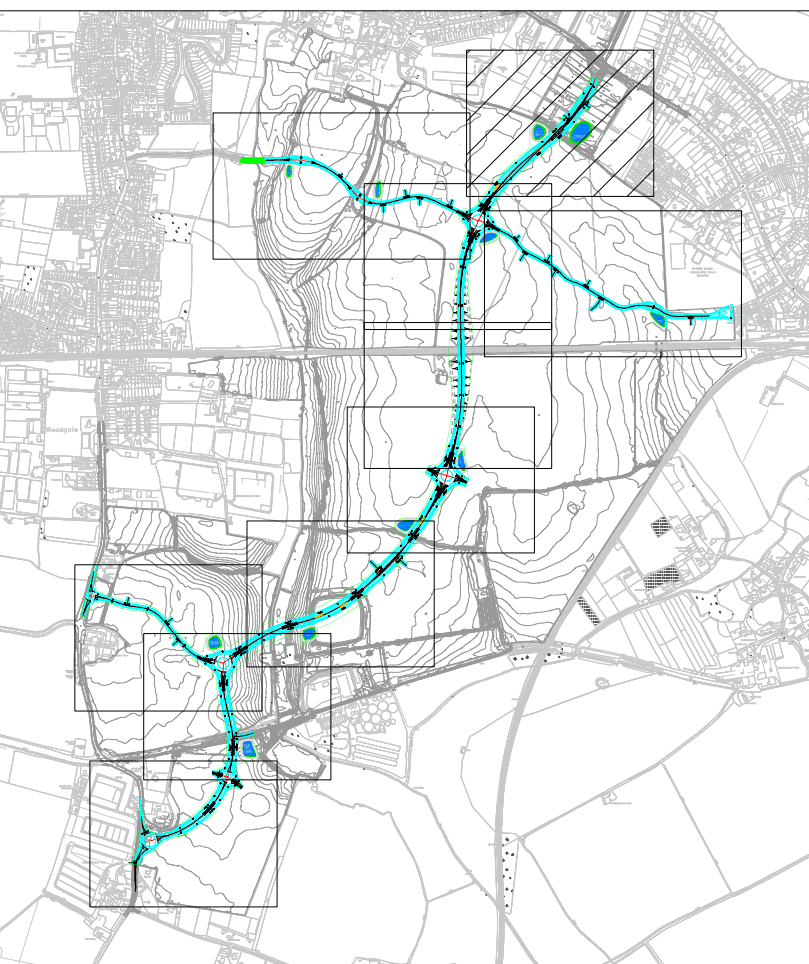




- NOTES:
- Where the Contractor undertakes or engages a third party to undertake temporary works design, or writes the Pell Frischmann design in any way, then the Contractor will take full responsibility and liability for all design aspects, including a Design Risk Assessment. The Contractor shall inform Pell Frischmann of any proposed variances to the design.
 - This drawing shall be read in conjunction with all other Electrical, Mechanical, Public Health & Architectural Drawings & The Specification.
 - Topographical Information was provided by 3D Engineering Surveys and Pell Frischmann will not be held liable for any inaccuracies.
 - Barnham Road Roundabout and Northern Link Road designed by WSP. Pell Frischmann will not be held liable for any inaccuracies contained within this section.
 - Partial Western Link Road designed by CALA, Pell Frischmann will not be held liable for any inaccuracies contained within this section.



- KEY:
- A29 ROAD CORRIDOR**
 - PROPOSED CARRIAGEWAY**
HRA Carriageway Surfacing
 - ASPHALT SPLITTER ISLAND/CROSSING POINTS**
Asphalt Footway Surfacing
 - SEGREGATED PEDESTRIAN FOOTWAY**
Asphalt Footway Surfacing
 - SEGREGATED CYCLEWAY**
Contrasting asphalt finish to footway. Physical delineation strip to be Kerb or similar agreed at detailed design stage.
 - GRASS VERGE/SWALE**
Please Refer Landscaping Drawings for details
 - PROPOSED KERBS**
 - FOOTWAY EDGING KERB**
 - STREET LIGHTING**
 - ROAD ZONE (NORTH)**
Potential earthworks zone necessary for the construction of the road. Extent of earthworks and road landscaping to be agreed via condition. Residual land to form part of development parcels

Junction Visibility Splays based on Table 7.1 from Manual for Street. This applies to Western Link, Barnham Station Link and the Hanbury Link.

Speed	Kilometres per hour	16	20	24	25	30	32	40	45	48	50	60
Miles per hour		10	12	15	16	19	20	25	28	30	31	37
SSD (metres)		9	12	15	16	20	22	31	36	40	43	56
SSD adjusted for bonnet length. See 7.6.4		11	14	17	18	23	25	33	39	43	45	59

Additional features will be needed to achieve low speeds

Junction Visibility Splays based on Table 2.10 from DMRB CD 109. This applies to all junctions on A29 Link Road.

Design speed (km/h)	16	20	24	25	30	32	40	45	48	50	60
Design speed (mph)	10	12	15	16	19	20	25	28	30	31	37
Design speed (m/s)	4.4	5.6	6.7	7.0	8.3	8.9	11.2	12.8	13.7	14.3	17.0
Design speed (ft/s)	14.8	19.0	23.8	25.0	29.8	32.0	37.0	42.4	45.0	47.0	56.1
Design speed (km/h)	16	20	24	25	30	32	40	45	48	50	60
Design speed (mph)	10	12	15	16	19	20	25	28	30	31	37
Design speed (m/s)	4.4	5.6	6.7	7.0	8.3	8.9	11.2	12.8	13.7	14.3	17.0
Design speed (ft/s)	14.8	19.0	23.8	25.0	29.8	32.0	37.0	42.4	45.0	47.0	56.1

Design Principles

Standards of Highway design are based on DMRB CD 116 & CD 109 and Manual for Streets to Road Design Speed of 50 mph for A29. East/West link and other link roads based on 20mph. The Minimum Road width for A29 is 7.3m, allowing for the flow of two way traffic. The Minimum Road width for East/West link and other link roads is 6m, allowing for the flow of two way traffic. The A29 will have 5m Wide Verges with a 4m wide Segregated Footway/Cycleway, running parallel with the alignment of the Carriageway.

REV	DESCRIPTION	DATE
P06	Client Reference Updated	KM TM TM 10.01.22
P05	Client Reference Updated	KM TM TM 05.11.21
P04	Minor amendments following comments from team	KM TM TM 05.10.21
P03	Minor amendments following comments from WSCC	KM TM TM 20.08.21
P02	Minor Layout amendments	KM TM TM 22.07.21
P01	Alignment amended in line with CD 109	KM TM TM 09.08.21

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Client
CC Projects
Ashmarden Ltd
Hanbury (PM) Ltd

Project
BEW Parcel SC1

Drawing Title
A29 Link Road
General Arrangement
Sheet 1 of 10

Name	Date	Scale	File No.
Drawn	KM	Apr 2021	A13394-PF-ZZ-XX-OR-CD-00100 P06.dwg
Designed	KM	Apr 2021	
Checked	TM	Apr 2021	Drawing Status
Approved	TM	Apr 2021	Preliminary
Drawing No.	A13394-PF-ZZ-XX-DR-CD-00100		
Revision	P06		