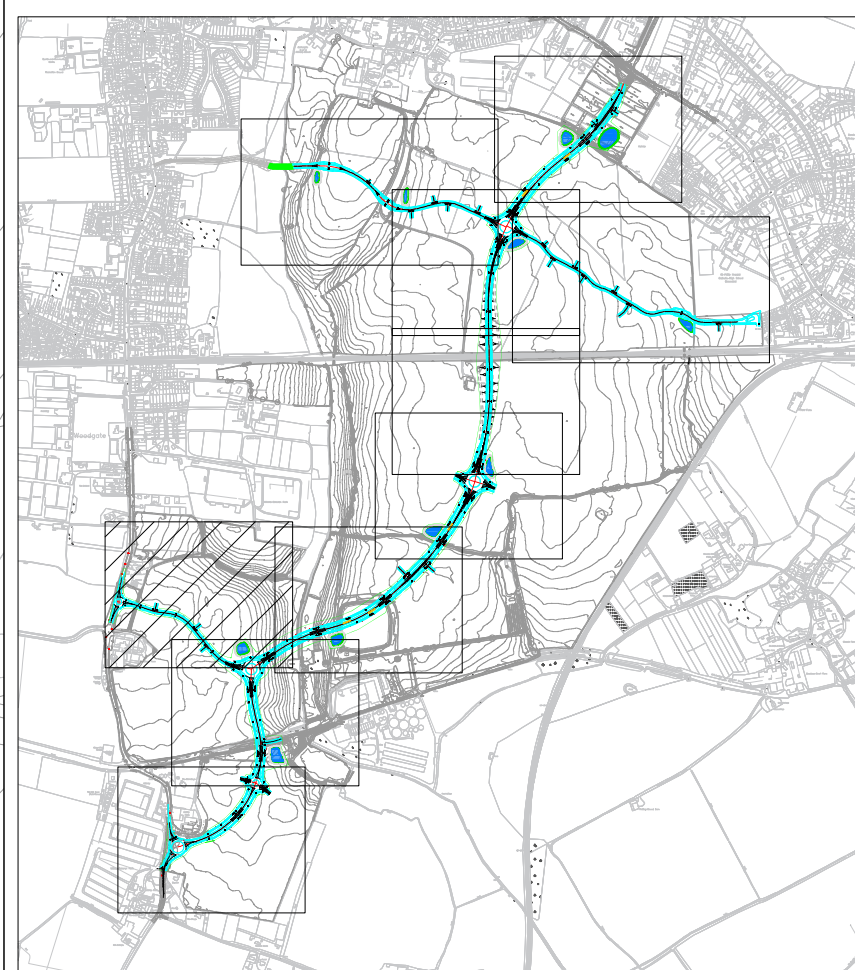


Design Summary Document Appendix A dwg -00107 Po6





- 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**
Contrasting asphalt finish to footway. Physical delineation strip to be Kerb or similar agreed at detailed design stage.
- 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 (SOUTH)**
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.**

Table 7.1 Derived SSDs for Streets (figures rounded)

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

SSD adjusted for bonnet length. See 7.6.4

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)	10	15	20	25	30	35	40	45	50	60
Design speed (mph)	6	9	12	16	19	22	25	28	31	37
Design speed (m/s)	2.8	4.2	5.6	7.0	8.3	9.7	11.0	12.5	14.3	16.7
Design speed (ft/s)	9.2	13.4	18.0	22.6	27.1	32.0	36.1	40.9	46.9	54.9
Design speed (mi/h)	3.1	4.7	6.2	7.8	9.3	10.9	12.5	14.3	16.3	19.0
Design speed (km/h)	10	15	20	25	30	35	40	45	50	60
Design speed (mph)	6	9	12	16	19	22	25	28	31	37
Design speed (m/s)	2.8	4.2	5.6	7.0	8.3	9.7	11.0	12.5	14.3	16.7
Design speed (ft/s)	9.2	13.4	18.0	22.6	27.1	32.0	36.1	40.9	46.9	54.9
Design speed (mi/h)	3.1	4.7	6.2	7.8	9.3	10.9	12.5	14.3	16.3	19.0

Design Principles

Standards of Highway design are based on DMRB CD 116 & CD 109 and Manual for Streets to Road Design Speed of 30 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.

P01	Client Reference Updated	KM	TM	10.01.22
P02	Client Reference Updated	KM	TM	05.11.21
P03	Minor amendments following comments from team	KM	TM	05.10.21
P04	Minor amendments following comments from WSCC	KM	TM	20.08.21
P05	Minor amendments following comments from WSCC	KM	TM	22.07.21
P06	Minor amendments following comments from WSCC	KM	TM	09.08.21
P07	Minor amendments following comments from WSCC	KM	TM	09.08.21
P08	Minor amendments following comments from WSCC	KM	TM	09.08.21
P09	Minor amendments following comments from WSCC	KM	TM	09.08.21
P10	Minor amendments following comments from WSCC	KM	TM	09.08.21
P11	Minor amendments following comments from WSCC	KM	TM	09.08.21
P12	Minor amendments following comments from WSCC	KM	TM	09.08.21
P13	Minor amendments following comments from WSCC	KM	TM	09.08.21
P14	Minor amendments following comments from WSCC	KM	TM	09.08.21
P15	Minor amendments following comments from WSCC	KM	TM	09.08.21
P16	Minor amendments following comments from WSCC	KM	TM	09.08.21
P17	Minor amendments following comments from WSCC	KM	TM	09.08.21
P18	Minor amendments following comments from WSCC	KM	TM	09.08.21
P19	Minor amendments following comments from WSCC	KM	TM	09.08.21
P20	Minor amendments following comments from WSCC	KM	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 8 of 10

Name	Date	Scale	1:500 @ A0
Drawn	KM	Apr 2021	File No.
Designed	KM	Apr 2021	A13394-PF-ZZ-XX-DR-CD-00107 P06.dwg
Checked	TM	Apr 2021	Drawing Status
Approved	TM	Apr 2021	Preliminary
Drawing No.	A13394-PF-ZZ-XX-DR-CD-00107	Revision	P06