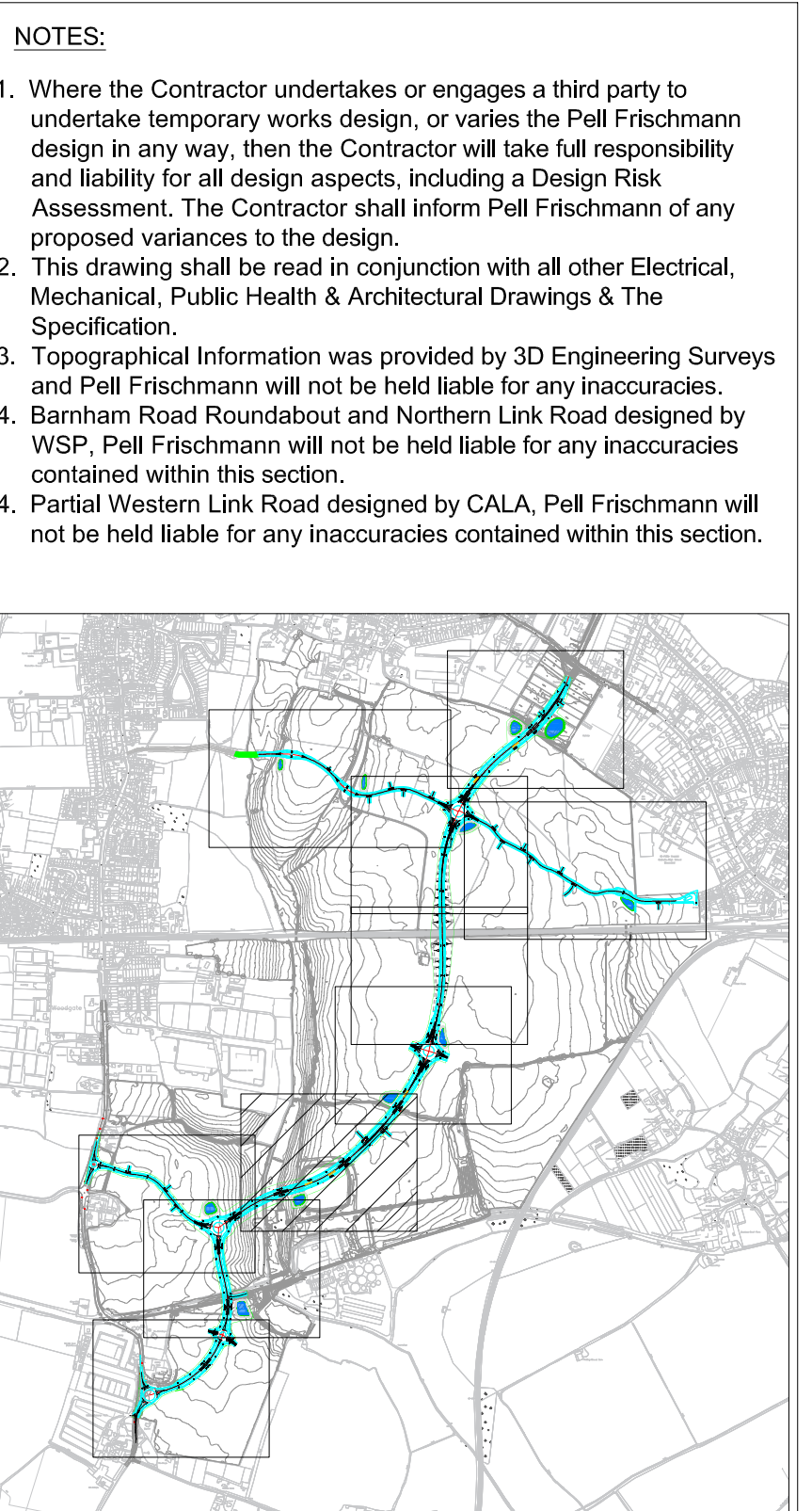


Design Summary Document Appendix A dwg -00104 P06





- 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 (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

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

Additional features will be needed to achieve low speeds

Junction Visibility Splays based on Table 7.1 from DMRB CD 109. This applies to all junctions on A29 Link Road.

Design speed (km/h)	10	12	15	16	19	20	25	30	32	40	45	48	50	60
Design speed (mph)	6	7	9	10	12	12	16	19	20	25	28	30	31	37
Design speed (m/s)	2.8	3.3	4.2	4.4	5.4	5.6	7.0	8.3	8.9	11.2	12.5	13.4	14.0	16.7
Design speed (ft/s)	9.2	10.8	13.7	14.4	17.9	18.6	23.1	27.1	28.9	36.6	40.5	43.3	45.6	54.9
Design speed (km/h)	10	12	15	16	19	20	25	30	32	40	45	48	50	60
Design speed (mph)	6	7	9	10	12	12	16	19	20	25	28	30	31	37
Design speed (m/s)	2.8	3.3	4.2	4.4	5.4	5.6	7.0	8.3	8.9	11.2	12.5	13.4	14.0	16.7
Design speed (ft/s)	9.2	10.8	13.7	14.4	17.9	18.6	23.1	27.1	28.9	36.6	40.5	43.3	45.6	54.9

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.

P06	Client Reference Updated	KM	TM	TM	10.01.22
P06	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
REV	DESCRIPTION	DRN	CHK	APP	DATE

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Client

CC Projects
Ashmarden Ltd
Hanbury (PM) Ltd

Project

BEW Parcel SC1

Drawing Title

A29 Link Road
General Arrangement
Sheet 5 of 10

Drawn	KM	Date	Apr 2021	Scale	1:500 @ A0
Designed	KM	Date	Apr 2021	File No.	A13394-PF-ZZ-XX-DR-CD-00104 P06.dwg
Checked	TM	Date	Apr 2021	Drawing Status	Preliminary
Approved	TM	Date	Apr 2021	Revision	
Drawing No.	A13394-PF-ZZ-XX-DR-CD-00104				Revision P06