

Design Summary Document Appendix A dwg -00106 Po6

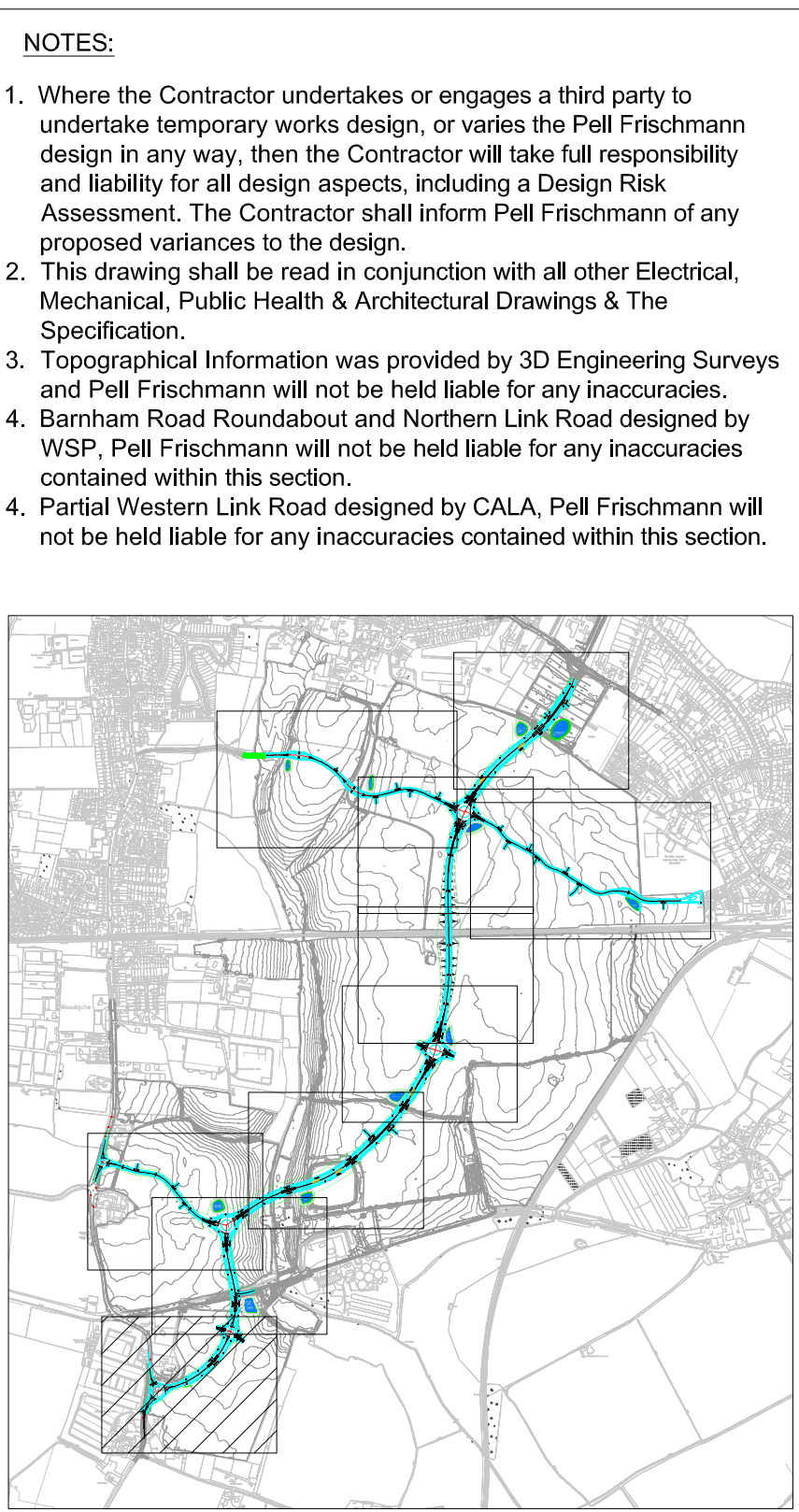


Table 7.1 Derived SSDs for Streets (figures rounded)

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 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	20	22	25	28	31	37
SSD (m)	10	14	17	20	23	27	31	35	40	48
SSD (ft)	33	46	56	66	75	90	102	115	131	157

SSD values shown above design speed represent a combination of stopping for vehicle length at design speed, perception of design speed

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.

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

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Client: **CC Projects**
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Project: **BEW Parcel SC1**

Drawing Title: **A29 Link Road**
General Arrangement
Sheet 7 of 10

Name	Date	Scale	File No.
Drawn	KM	Apr 2021	A13394-PF-ZZ-XX-DR-CD-00106 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-00106		
Revision	P06		