

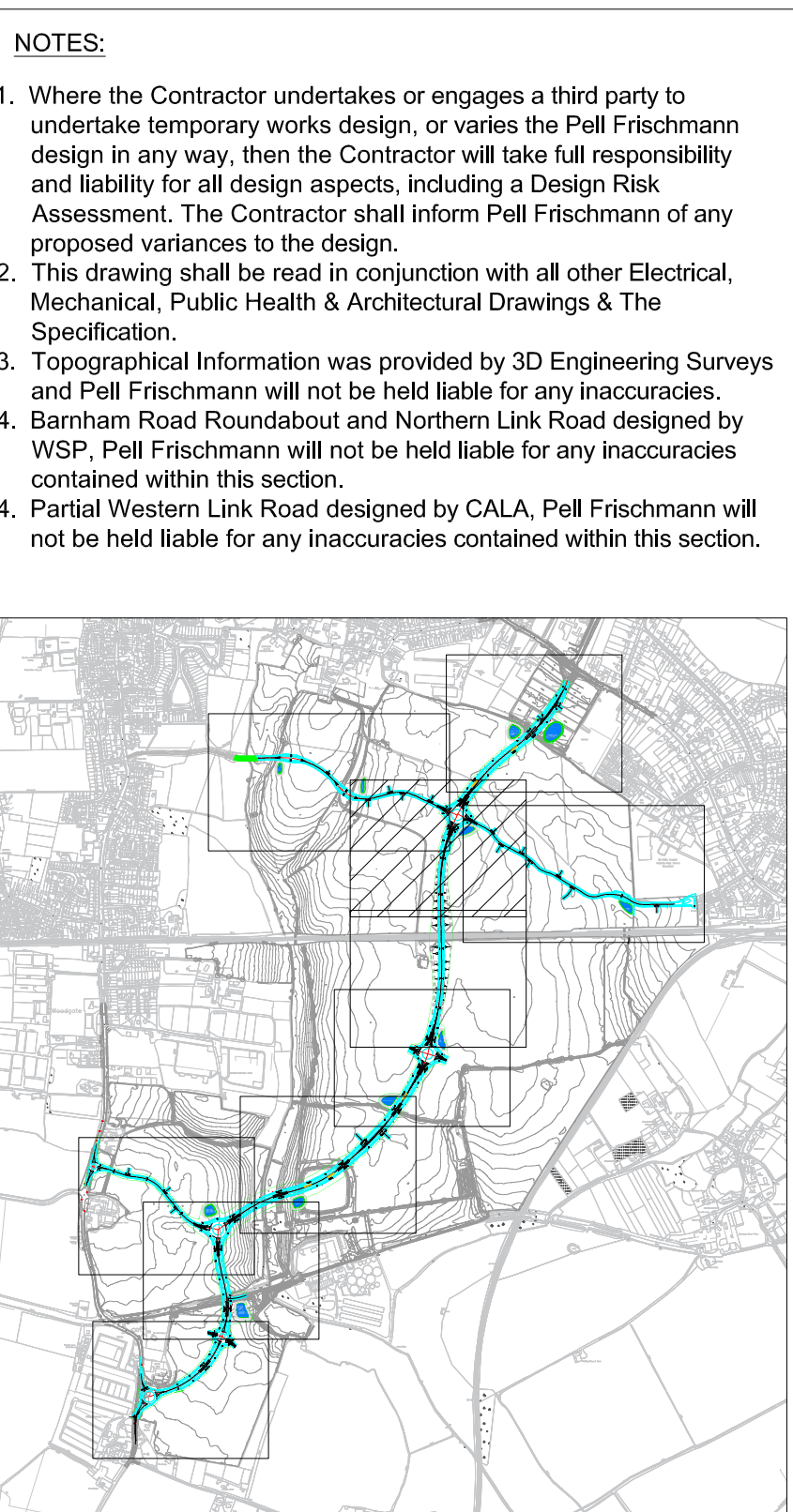
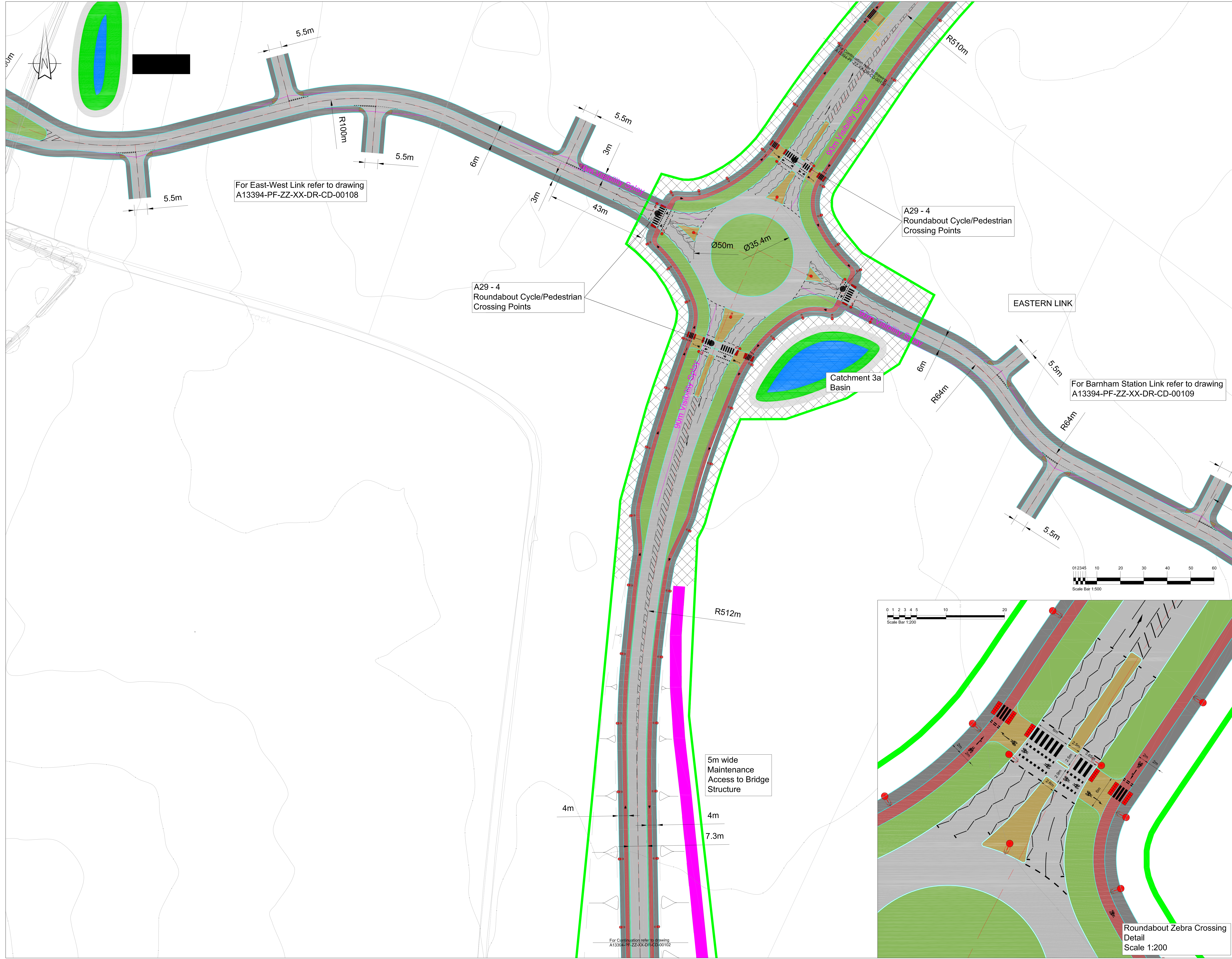


Table 7.1 Derived SSDs for Streets (figures rounded)

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	20	30	40	50	60	70	80	90	100
Design speed (mph)	6	12	19	25	31	37	44	50	56	62
Design speed (m/s)	2.8	5.6	8.3	11.2	13.9	16.7	19.4	22.2	24.9	27.8
Design speed (ft/s)	9.2	18.4	27.6	36.8	45.9	55.1	64.2	73.3	82.4	91.5
Design speed (mi/h)	1.7	3.4	5.1	6.8	8.5	10.2	11.9	13.6	15.3	17.0
Design speed (km/h)	10	20	30	40	50	60	70	80	90	100
Design speed (mph)	6	12	19	25	31	37	44	50	56	62
Design speed (m/s)	2.8	5.6	8.3	11.2	13.9	16.7	19.4	22.2	24.9	27.8
Design speed (ft/s)	9.2	18.4	27.6	36.8	45.9	55.1	64.2	73.3	82.4	91.5
Design speed (mi/h)	1.7	3.4	5.1	6.8	8.5	10.2	11.9	13.6	15.3	17.0

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.

REV.	DESCRIPTION	DATE
P06	Client Reference Updated	05.11.21
P05	Client Reference Updated	05.11.21
P04	Minor amendments following comments from team	05.12.21
P03	Minor amendments following comments from WSCC	20.08.21
P02	Minor Layout amendments	22.07.21
P01	Alignment amended in line with CD 109	09.08.21
REV.	DESCRIPTION	DATE

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Client
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Ashmarden Ltd
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Project
BEW Parcel SC1

Drawing Title
A29 Link Road
General Arrangement
Sheet 2 of 10

Name	Date	Scale	Revision
Drawn	KM	Apr 2021	1:500 @ A0
Designed	KM	Apr 2021	File No. A13394-PF-ZZ-XX-DR-CD-00101 P06.dwg
Checked	TM	Apr 2021	Drawing Status Preliminary
Approved	TM	Apr 2021	
Drawing No.	A13394-PF-ZZ-XX-DR-CD-00101		
Revision	P06		