

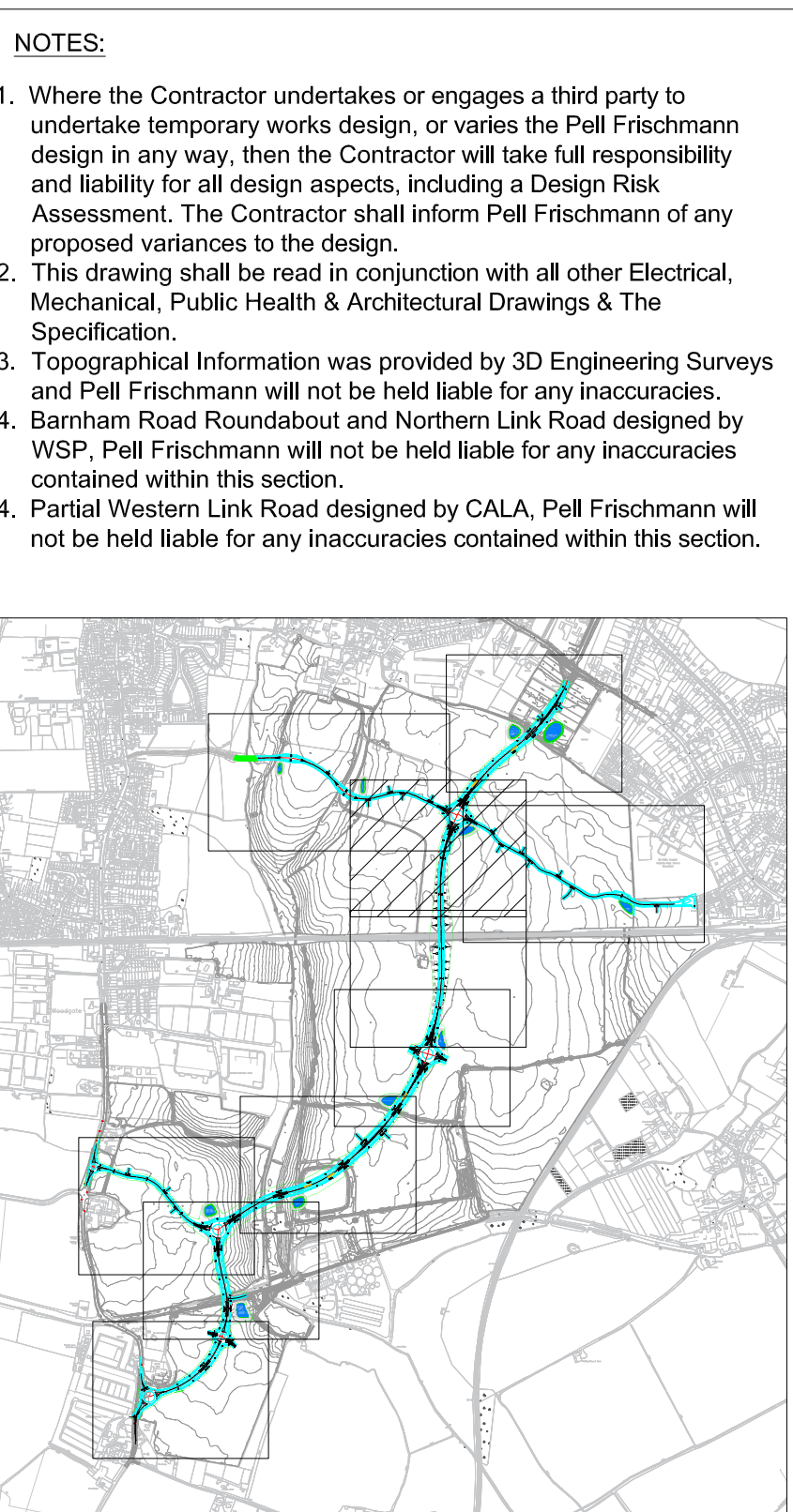
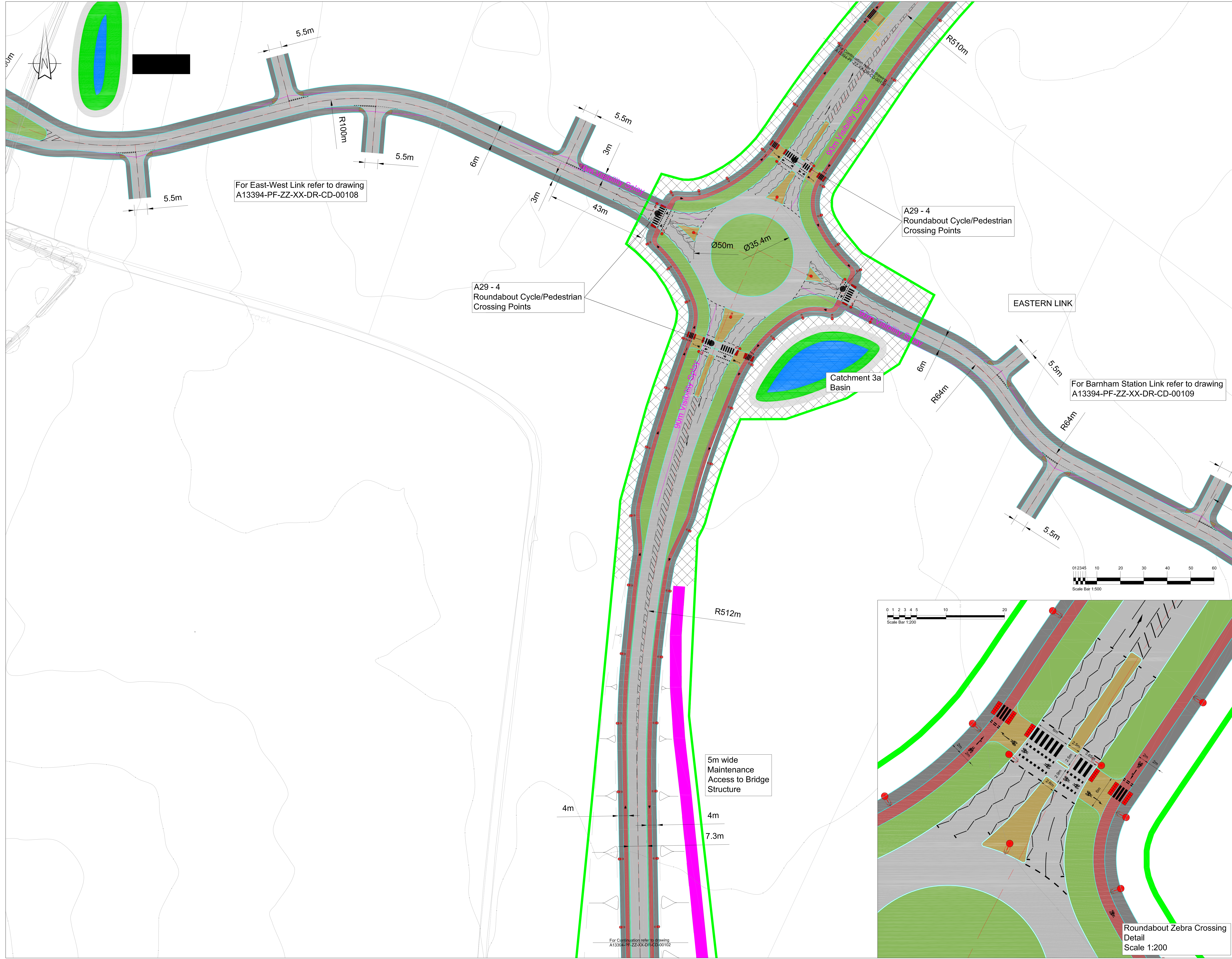


Table 7.1 Derived SSDs for Streets (figures rounded)

| 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  | 8.4  | 11.2 | 14.0 | 16.8 | 19.6 | 22.4 | 25.2 | 28.0 |
| Design speed (ft/s) | 9.2 | 18.4 | 27.6 | 36.8 | 45.9 | 55.0 | 64.1 | 73.2 | 82.3 | 91.4 |
| 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  | 8.4  | 11.2 | 14.0 | 16.8 | 19.6 | 22.4 | 25.2 | 28.0 |
| Design speed (ft/s) | 9.2 | 18.4 | 27.6 | 36.8 | 45.9 | 55.0 | 64.1 | 73.2 | 82.3 | 91.4 |
| 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.

|     |                                               |      |    |     |          |
|-----|-----------------------------------------------|------|----|-----|----------|
| 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 |
| REV | DESCRIPTION                                   | DATE | BY | CHK | APP      |

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Client  
**CC Projects**  
**Ashmarden Ltd**  
**Hanbury (PM) Ltd**

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                         |          |                                              |