

Design Summary Document Appendix A dwg -00108 P03



NOTES:

- Where the Contractor undertakes or engages a third party to undertake temporary work 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.

Location Plan

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 (NORTH)
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	Kilometres per hour	16	20	24	25	30	32	40	45	48	50	60
Miles per hour	10	12	15	16	19	20	25	28	30	31	37	
SSD (metres)	9	12	15	16	20	22	31	36	40	43	56	
SSD adjusted for bonnet length. See 7.6.4	11	14	17	18	23	25	33	39	43	45	59	

- Additional features will be needed to achieve low speeds
- Junction Visibility Splays based on Table 2.10 from DMRB CD 105. This applies to all junctions on A29 Link Road.
- DMRB Design speed related measures

Design speed (km/h)	100	80	60	50	40	30	20	10	5	0	100
Minimum lane width (metres)	10.5	8.5	7.0	6.0	5.0	4.0	3.0	2.0	1.5	1.0	1.0
Minimum lane width (feet)	34.5	28.0	23.0	20.0	16.5	13.0	10.0	6.5	5.0	3.5	3.5
Minimum lane width (feet) under and without barriers	36.0	29.0	24.0	21.0	17.5	14.0	11.0	7.5	6.0	4.5	4.5
Minimum P value (percentage of 100)	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100)	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 100m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 200m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 300m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 400m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 500m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 600m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 700m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 800m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 900m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 1000m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 1200m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 1400m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 1600m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 1800m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 2000m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 2200m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 2400m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 2600m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 2800m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 3000m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 3200m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 3400m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 3600m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 3800m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 4000m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 4200m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 4400m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 4600m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 4800m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 5000m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 5200m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 5400m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 5600m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 5800m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 6000m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 6200m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 6400m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 6600m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 6800m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 7000m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 7200m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 7400m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 7600m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 7800m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 8000m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 8200m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 8400m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 8600m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 8800m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 9000m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 9200m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 9400m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 9600m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 9800m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 10000m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 10200m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 10400m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 10600m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 10800m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 11000m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 11200m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 11400m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 11600m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 11800m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 12000m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 12200m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 12400m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 12600m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 12800m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 13000m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 13200m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 13400m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 13600m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 13800m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 14000m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 14200m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05
Maximum P value (percentage of 100) - 14400m sight triangle	0.0005	0.001	0.002	0.003	0.005	0.008	0.012	0.02	0.03	0.05	0.05