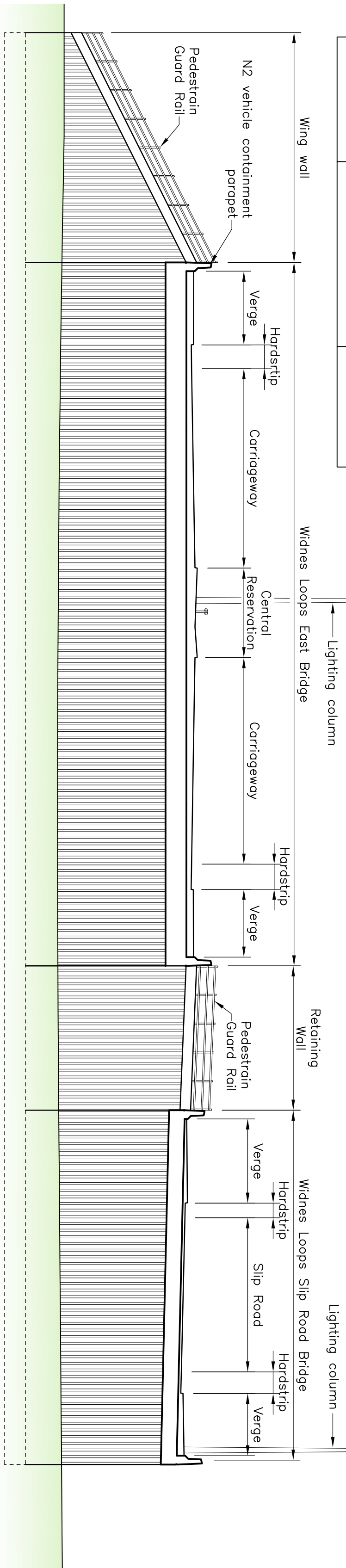
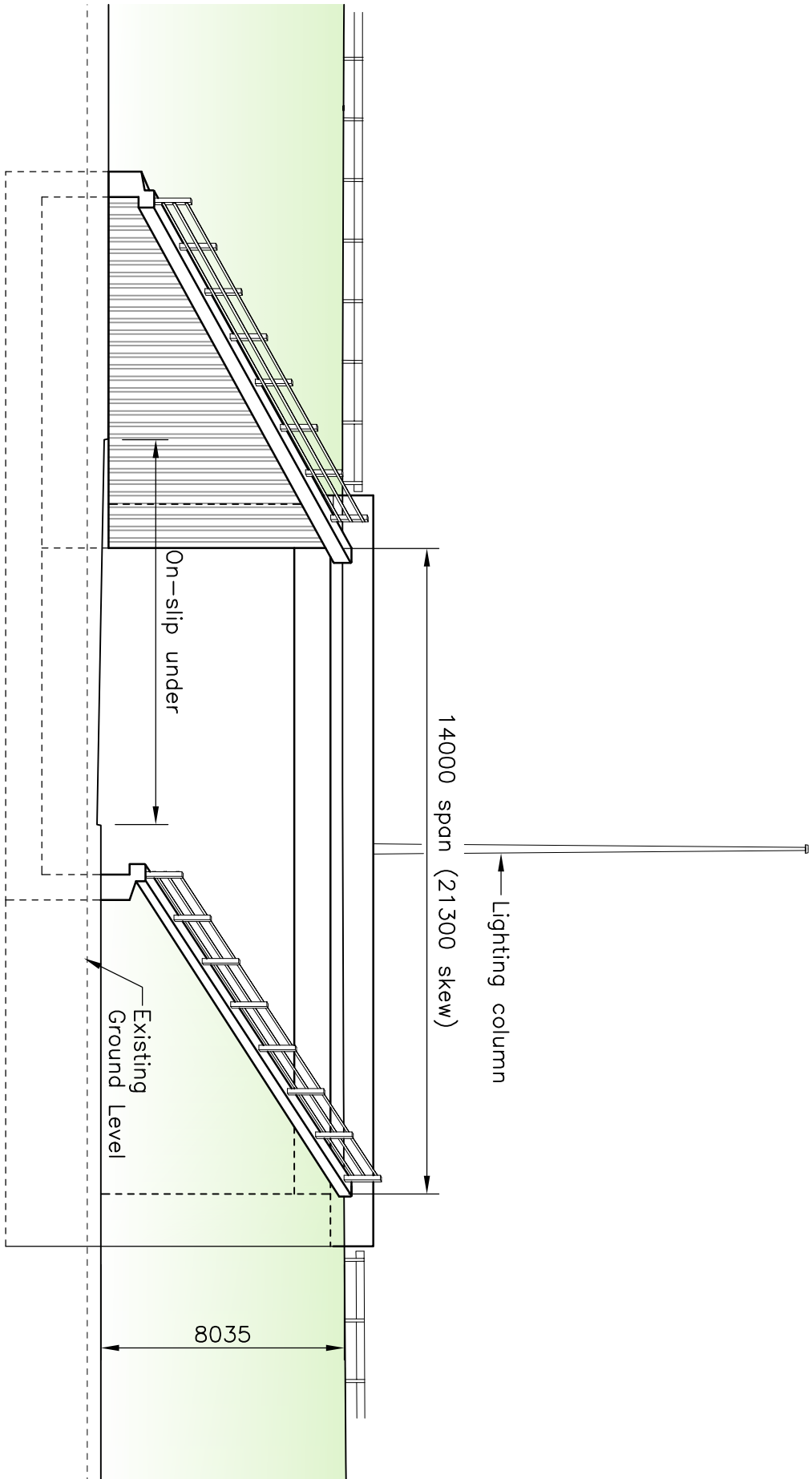


PLAN ON WIDNES LOOPS EAST ROAD BRIDGE
(scale 1:200)

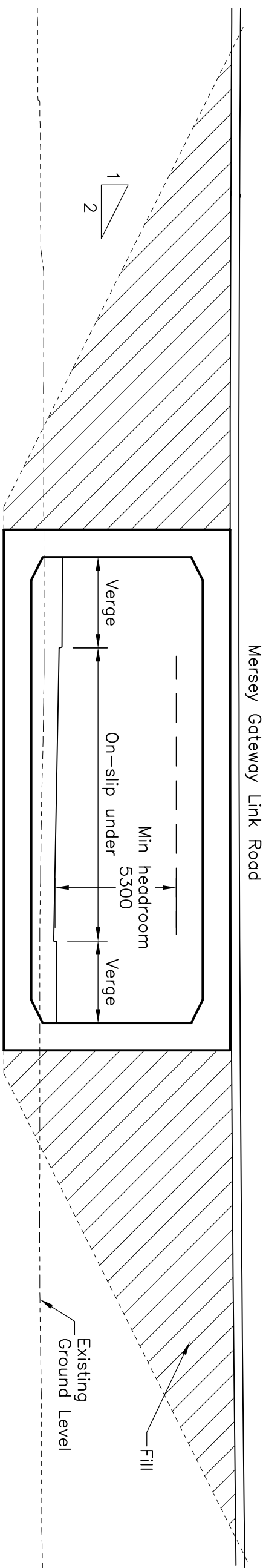
Geotechnical Information		
Description	Depth (b.g.l.)	SPT 'N' Values
Made ground	0–5.4m	
Alluvium	5.4–7.25m	14–28 (Clay)
Glacial deposits	7.25–23.1m	13–27 (Sand)
No bedrock encountered		



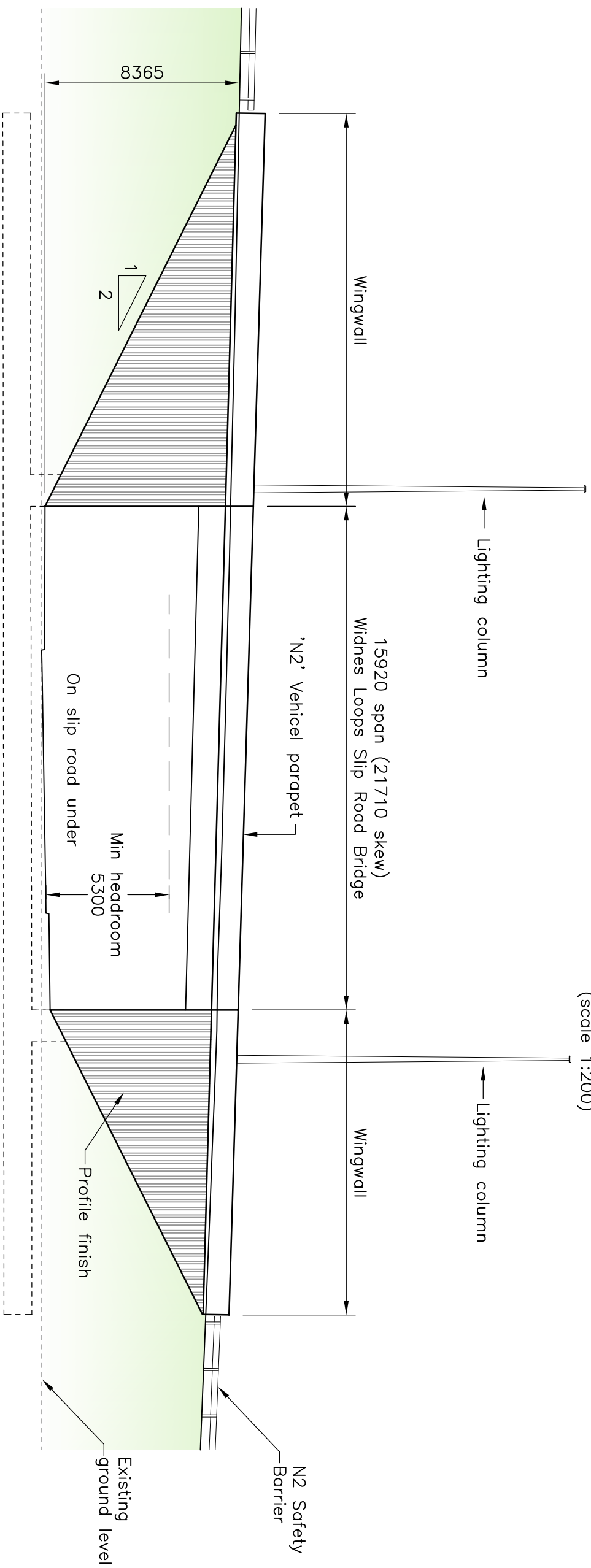
ELEVATION A–A
(scale 1:200)



ELEVATION B–B
(scale 1:200)

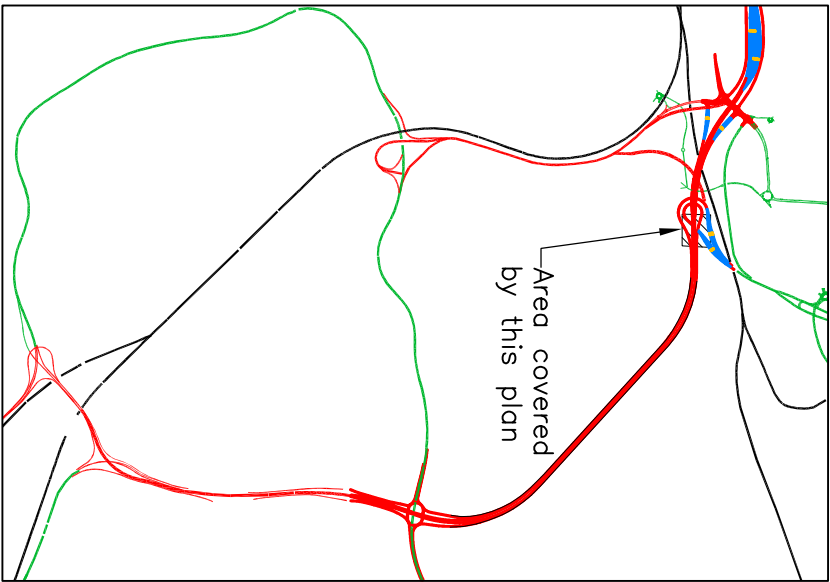


SECTION C–C
(scale 1:200)



ELEVATION D–D
(scale 1:200)

NOTES



- All dimensions shown are in millimetres unless noted otherwise.
- All levels are in metres above ordnance datum (m A.O.D.) unless noted otherwise.
- Structure is a single span in situ reinforced concrete box culvert.
- Ground improvement techniques will be required to limit differential settlement to 25mm.
- Geotechnical information taken from Form C' using latest B.H. information.
- Parapets to be normal containment (N2) vehicle parapets in accordance with T.D./19.
- Bridge deck surface and subsurface water drainage to be combined kerf/drain system and through decks.
- Abutment back of wall drainage to consist of drainage layer and 150 diameter porous pipework connected into highway drainage via a roadable closed system.
- All exposed vertical concrete surfaces to have a patterned profile finish with 30mm deep vertical feature grooves at 160mm centres.
- Scheme lighting to be 15 metre high masts as indicated by Halton Borough Council design.

PLANNING APPLICATION

Rev.	Drawn	Chkd.	Appr'd	Date	Description
1	DP	PH	SWJ	15.03.08	



THE MERSEY GATEWAY

Drawing Title
**WIDNES LOOPS EAST AND
SLIP ROAD BRIDGES
GENERAL ARRANGEMENT
PLANNING.**

Gifford

20 Nicholas Street, Chester, CH1 2NX
Tel: 01244 317855 Fax: 01244 314550 www.gifford.co.uk

Scale (at A1)	Date	Drawn	DJ
As Shown	NOV 2007		

Dwg. no.	Rev.
B4027/4/B/PL/510	-