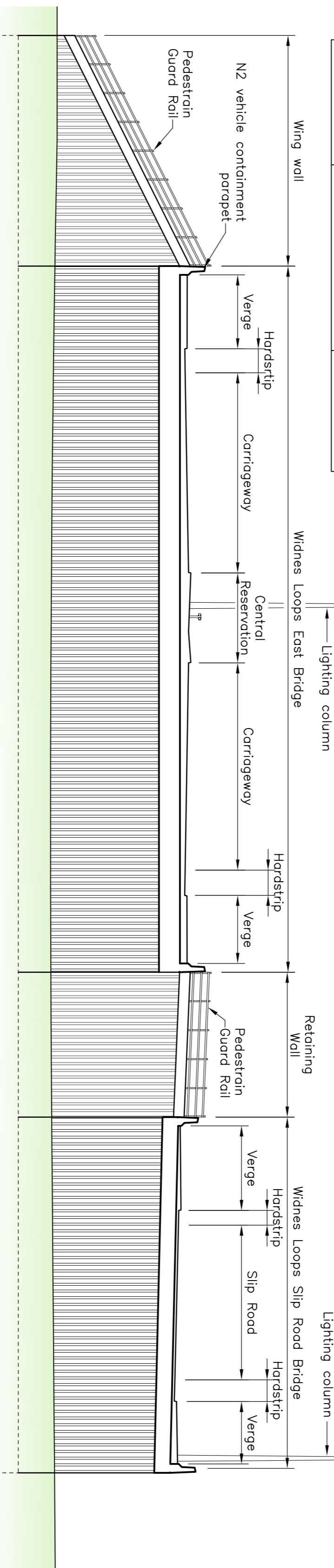
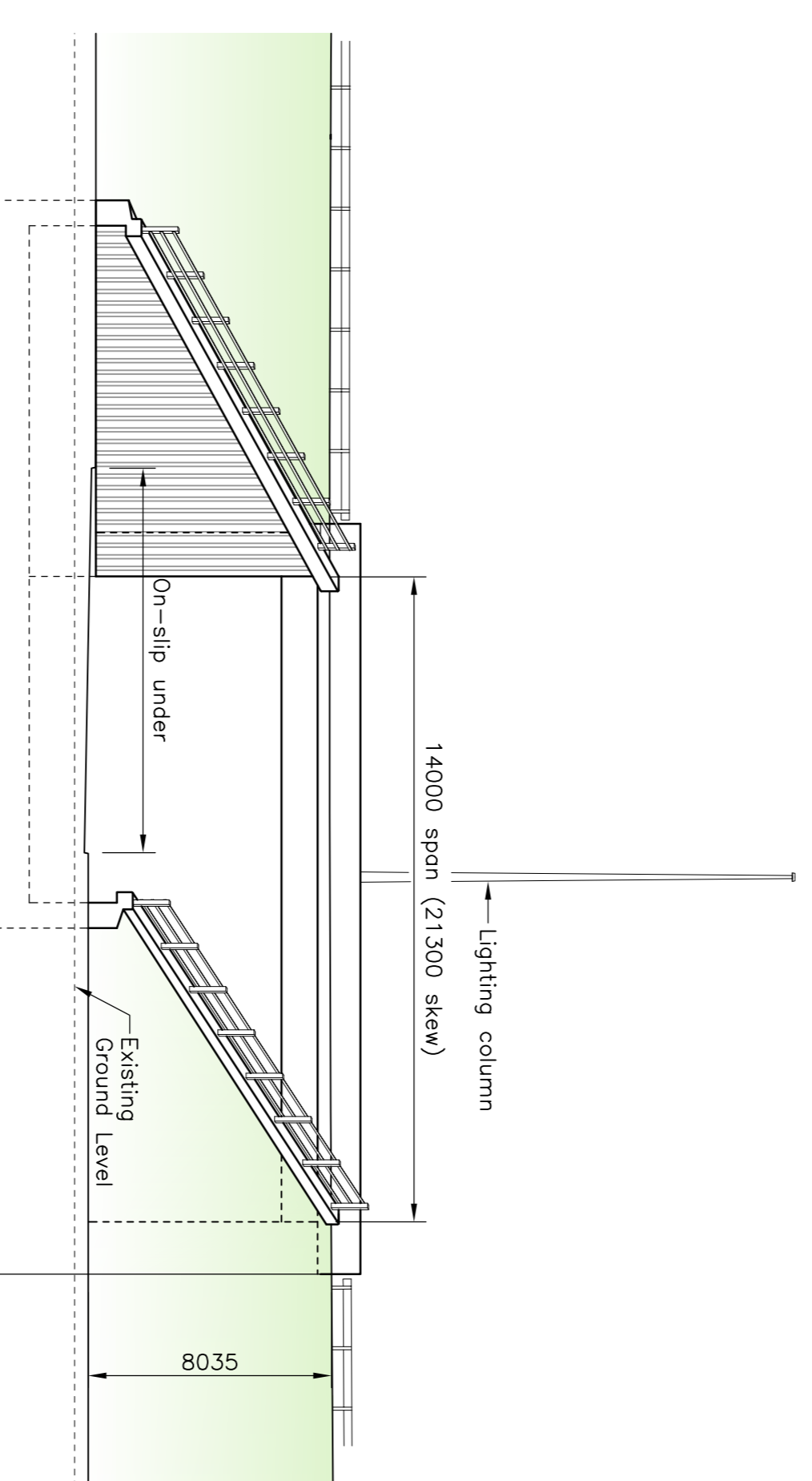


PLAN ON WIDNES LOOPS EAST ROAD BRIDGE
(scale 1:200)

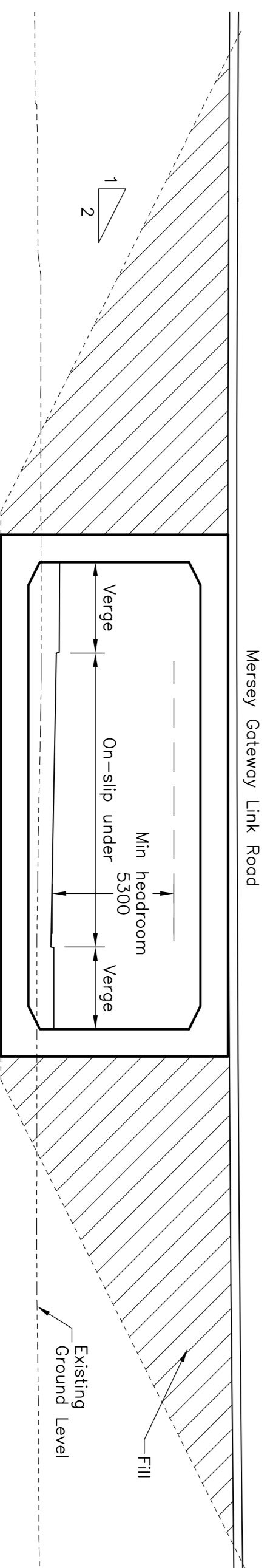
Geotechnical Information		
Description	Depth (b.g.l.)	SPT 'N' Values
Made ground	0-5.4m	14-28 (Clay)
Alluvium	5.4-7.25m	13-27 (Sand)
Glacial deposits	7.25-23.1m	No bedrock encountered



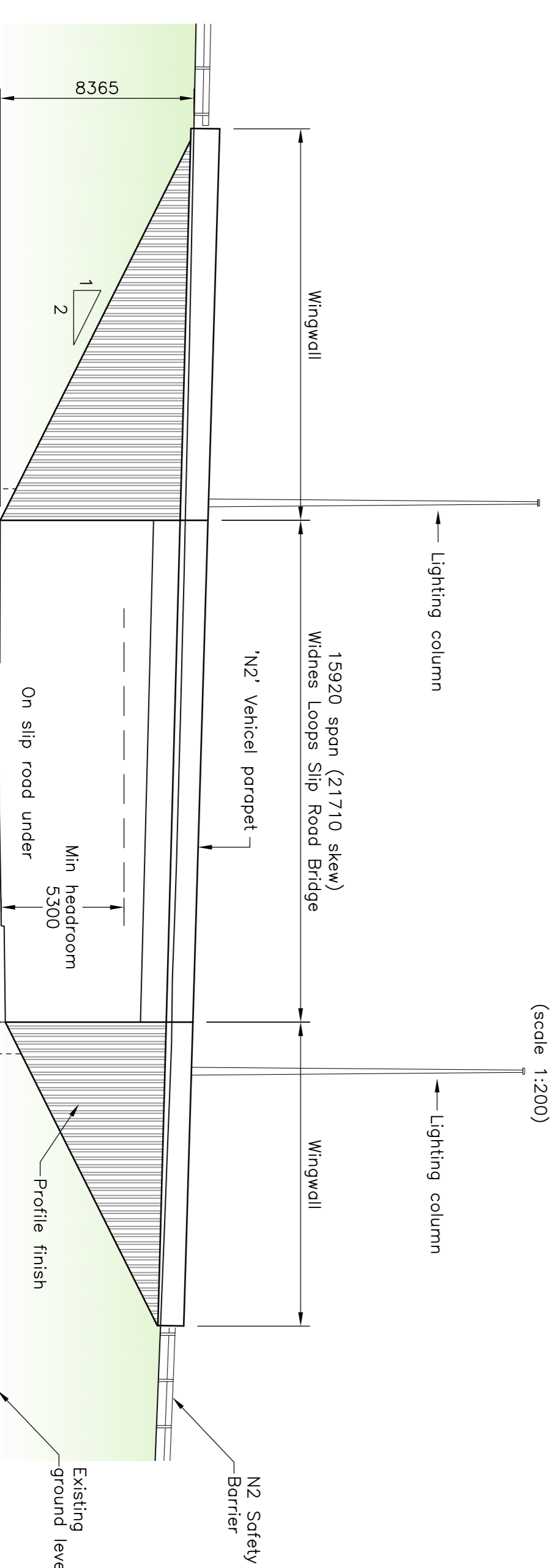
ELEVATION A-A
(scale 1:200)



ELEVATION B-B
(scale 1:200)

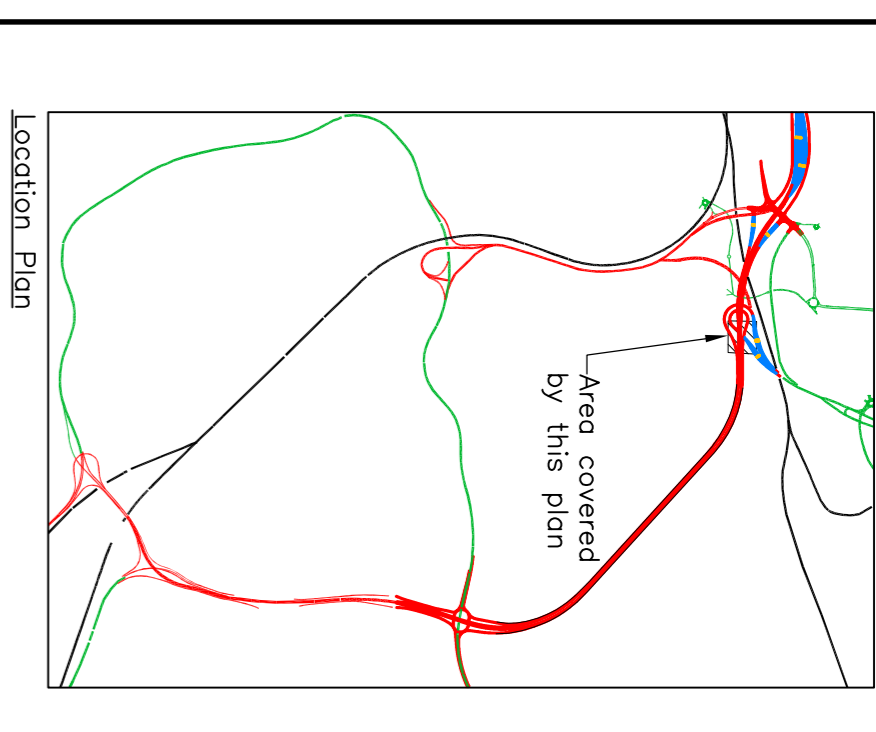


SECTION C-C
(scale 1:200)



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 BH 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 receive O 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.

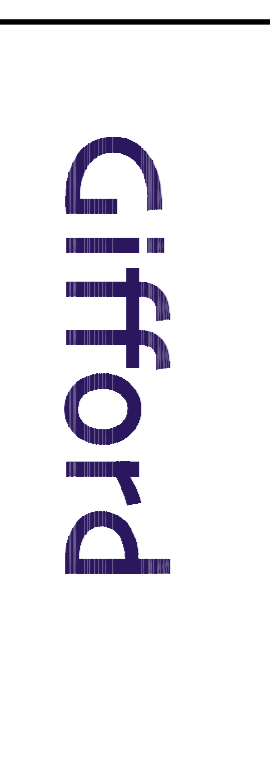
Rev.	Drawn	Chkd.	Apprvd.	Date	Description
1	PH	SW		15.03.08	PLANNING DIRECTION

Client: **the mersey gateway**
A BRIDGE TO PROSPERITY

Northwest
REGIONAL DEVELOPMENT AGENCY

Project: **THE RIVER MERSEY (MERSEY GATEWAY BRIDGE) ORDER**

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



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Dwg. no. **B4027/4/B/PL/510**

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