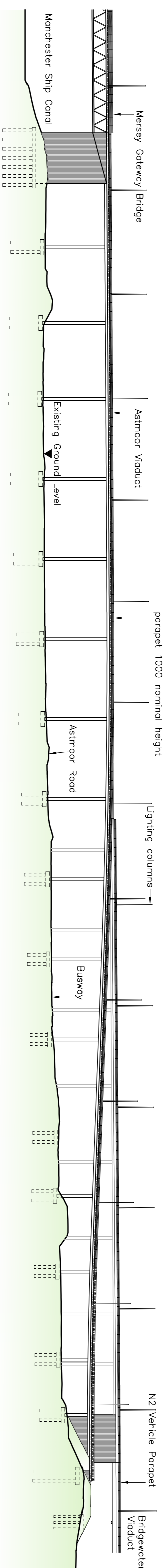
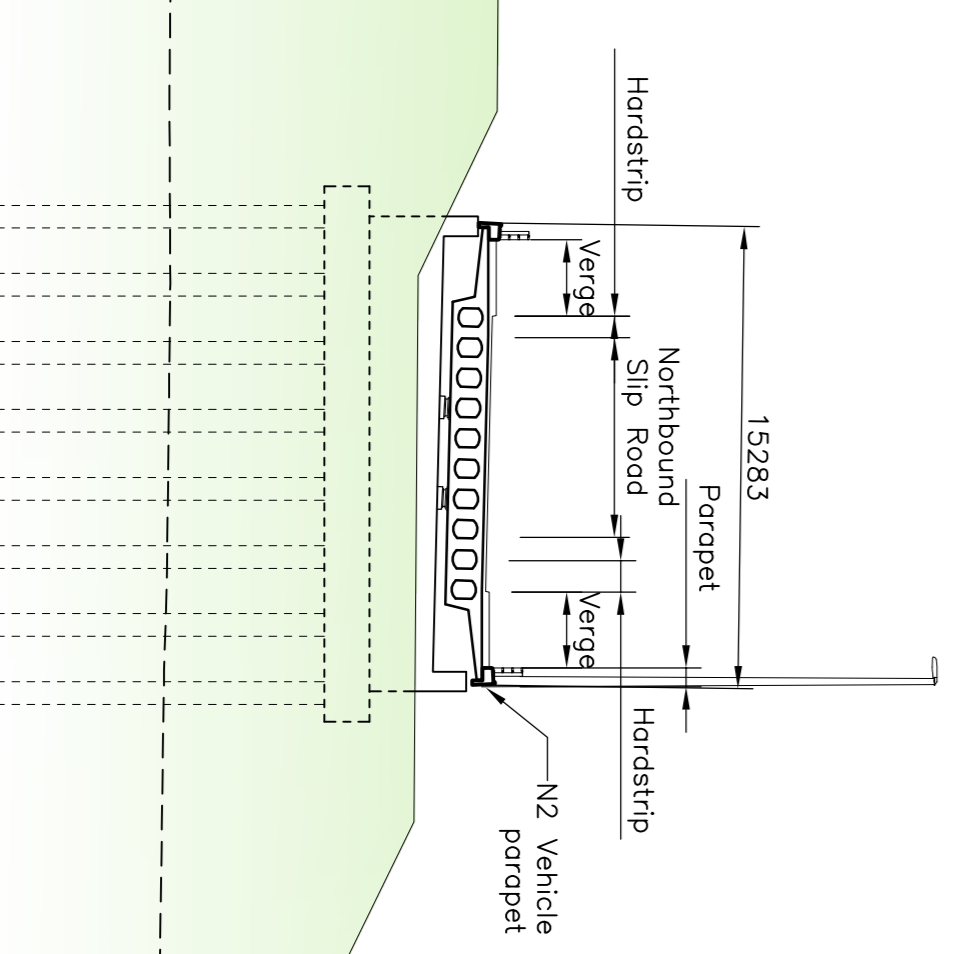
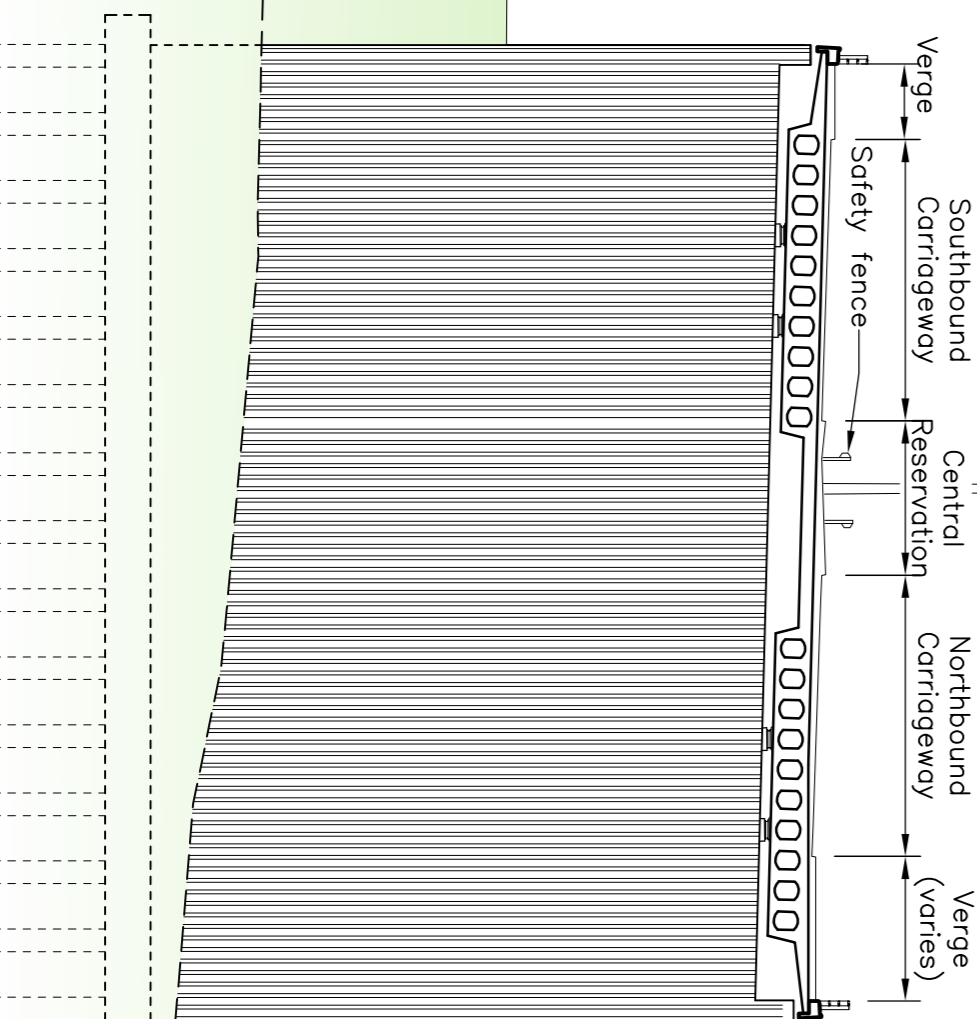
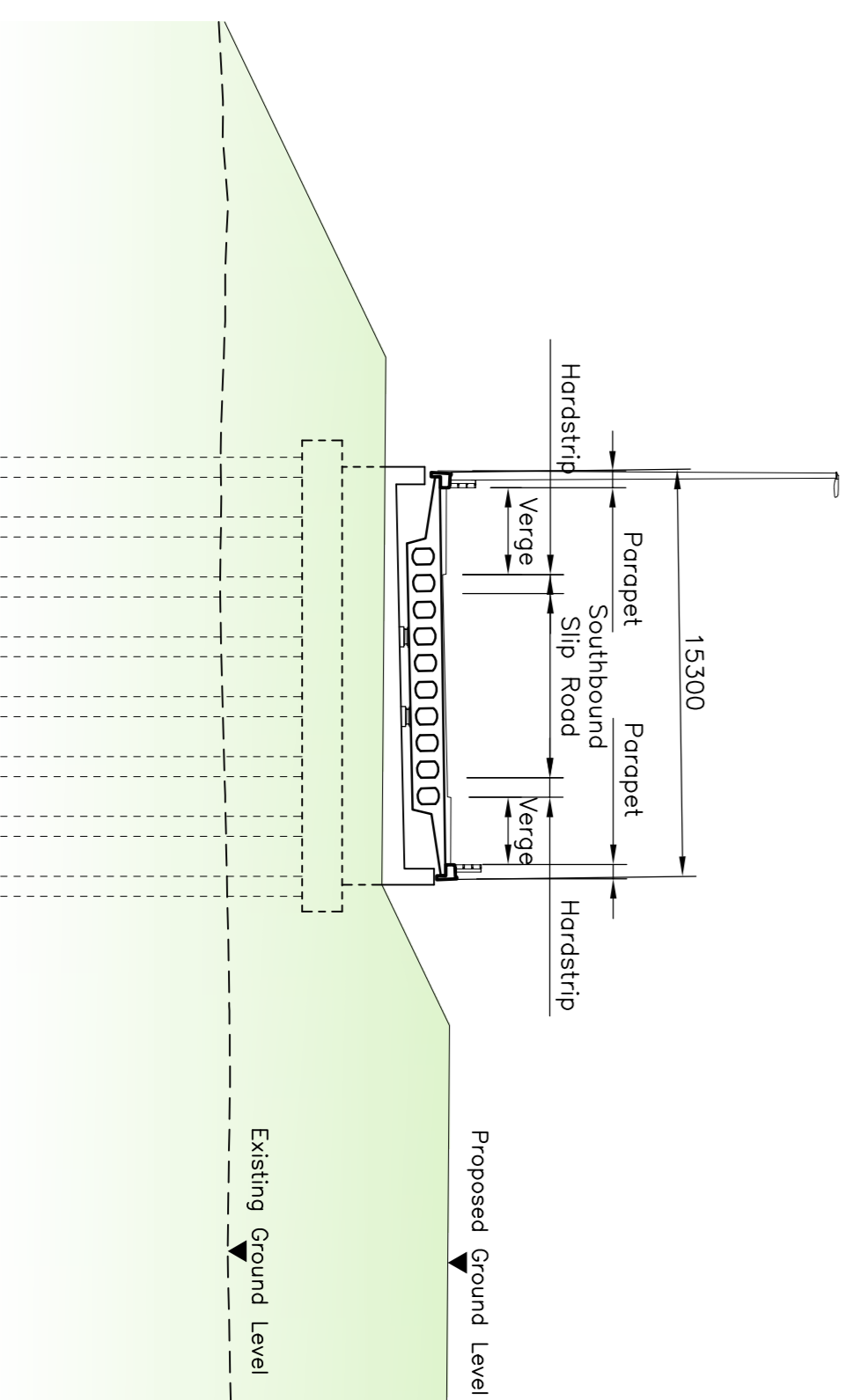


PLAN
Scale 1:1000



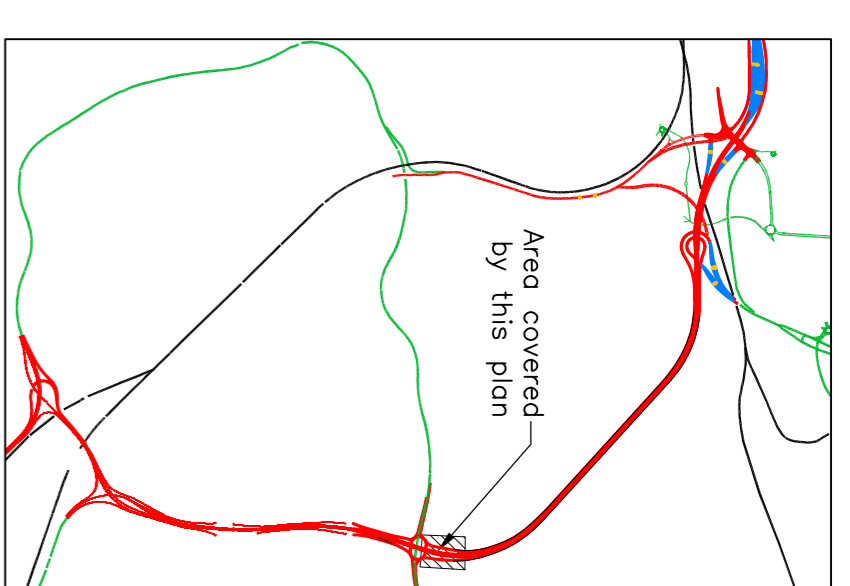
SOUTH ELEVATION
Scale 1:1000



ELEVATION OF SOUTH ABUTMENT 1-1
Scale 1:250

| Geotechnical Information | | |
|--------------------------|------------------------|----------------|
| Description | Depth (b.g.l.) | SPT 'N' Values |
| Made ground | 1-8.5m | |
| Glacial deposits | 12-25m | 10-50 (Clay) |
| | No bedrock encountered | 50 (Sand) |

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 2 span continuous bridge of prestressed concrete beams.
- Piled foundations indicated as geotechnical information confirms that bedrock is at considerable depth.
- 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 kerb/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 a patterned profile finish with 50mm 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 | JH | PH | SWJ | 15.03.08 | PLANNING APPLICATION |
| 2 | BAH | JR | SWJ | 22.05.08 | PLANNING DIRECTION |



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

Drawing Title
**PLANNING DIRECTION
ASTMOOR VIADUCT
GENERAL ARRANGEMENT
(SHEET 1 OF 2)**



| | | | |
|---|----------|-------|------|
| 20 Hopton Street, Chester, CH1 2HX Tel: 01244 31665 Fax: 01244 31660 www.gifford.co.uk | Date | Drawn | Rev. |
| AS SHOWN | DEC 2007 | LL | A |

Dwg. no. **B4027/4/B/PL/902**



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