

**Figure 3.4**

- Notes:
- Information extracted from record drawings
  - All dimensions in mm unless noted otherwise
  - All levels and chainages are in metres unless noted otherwise
  - All levels refer to Ordnance Datum

5. Existing lamp posts to be retained and installed in replacement structure. Existing parapet panels to be removed and then fully inspected to determine which panels will be refurbished and installed in the replacement structure and which panels will be recreated with new panels. The refurbished / recreated panels will be installed as a pedestrian parapet in the replacement structure.

6. The kerb line on the existing 50ft concrete span to the north of the expansion joint at Pier 6 shall be retained in its existing location

7. The kerb line on the proposed piled viaduct replacement structure shall be curtailed at Pier 5 to allow the location of the single sided Varioguard safety barrier to overlap with the new N2W1 safety barrier

8. The new N2W1 safety barrier shall extend up to the south side of the expansion joint at Pier 6

9. The existing double sided Varioguard safety barrier shall be retained and tapered to align with the proposed single sided Varioguard safety barrier. The rate of taper shall not exceed 1 in 20

10. A single sided Varioguard safety barrier shall be provided between Pier 5 and Pier 6 with the rear (non-traffic) face adjacent to the concrete upstand supporting the N2W1 safety barrier. The single sided Varioguard safety barrier shall be provided with a sloping end unit at the south end where it terminates at Pier 5

11. The south end of the new N2W1 safety barriers shall be provided with a terminal in accordance with DD ENV 1317-4

**FINISHES:**

- Buried unformed surfaces -U1
- Exposed unformed surfaces -U3 (excluding areas to receive waterproofing)
- Buried formed surfaces -F1
- End Supports- abutment stems -Pattern Profile
- End supports- wingwalls -Pattern Profile
- Parapet edge beam -F3/U3
- Precast beam -F4
- Parapet edge beam -F3
- Deck cantilever -F4
- In situ deck soffit -F4
- Deck soffit (between beams) -Permanent formwork in accordance with BA36
- Area of deck to be waterproofed -U4

**MATERIALS**

- In situ deck concrete -Grade C40/50\*
- Blinding concrete -Grade ST1
- Parapet upstand -Grade C40/50\*
- Recreated parapet panels (if required) -Steel
- Recreated concrete post (pilaster) -Grade C40/50\*
- Substructure concrete above base -Grade 40/50\* level
- Substructure concrete in -Grade 40/50 foundations
- Footway/verge infill concrete -Grade C24/C30

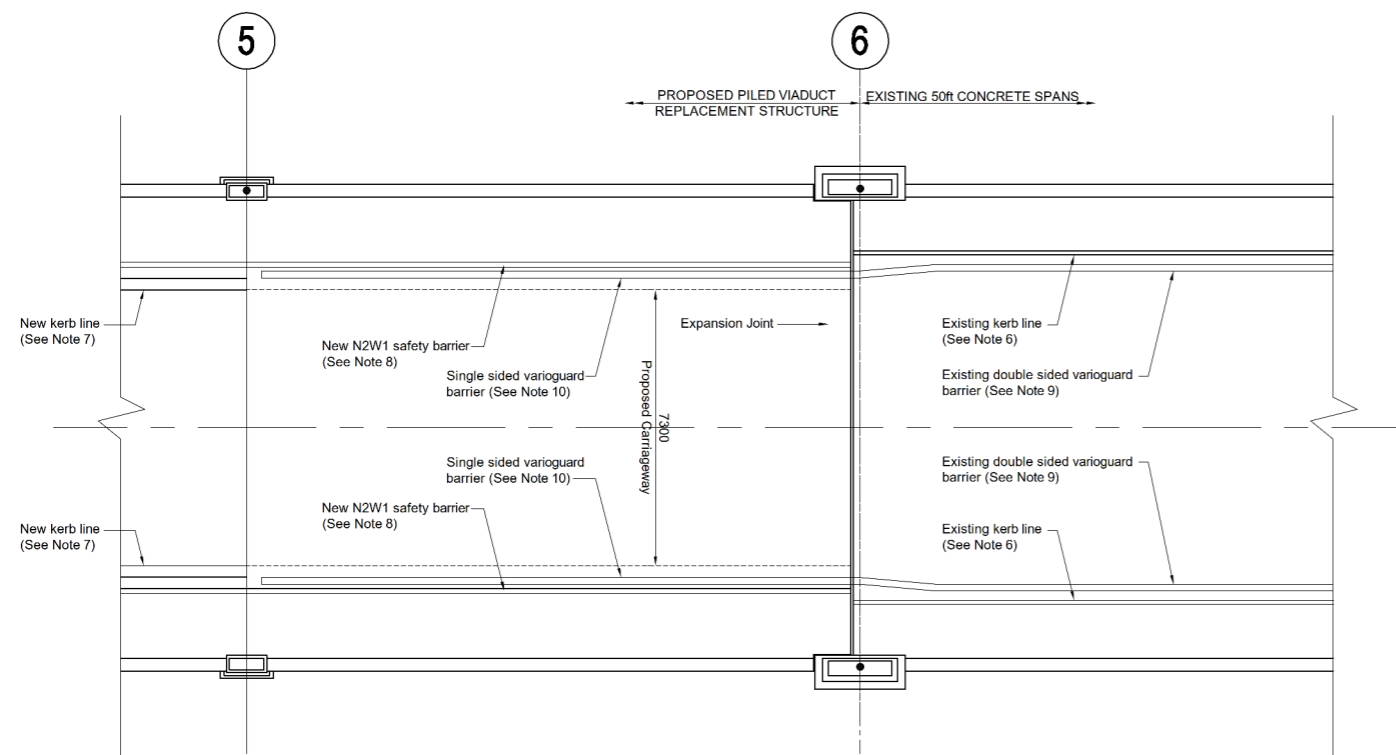
\*Exposed concrete within splash zone to be specified with a minimum strength grade of C40/50 and with a minimum 50% ground granulated blast furnace slag (GGBS)

All exposed concrete to be impregnated with a hydrophobic pore liner.

**WATERPROOFING**

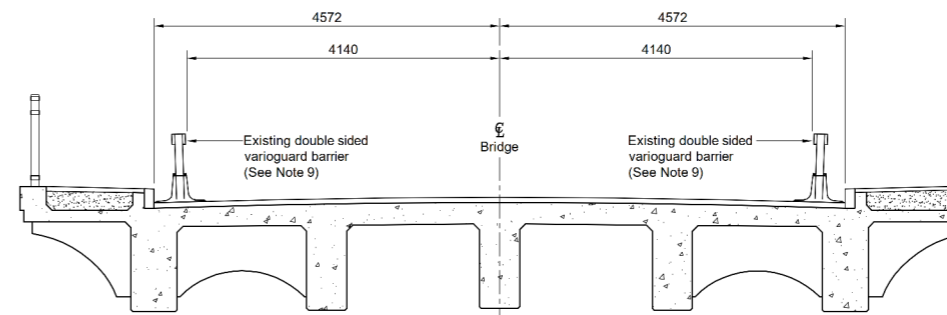
Bridge deck waterproofing shall be applied to the deck slab between parapet upstands to a minimum height of 100mm above the adjacent deck level.

All other buried concrete surfaces shall be treated with two coats of epoxy resin waterproofing paint in accordance with the specification.



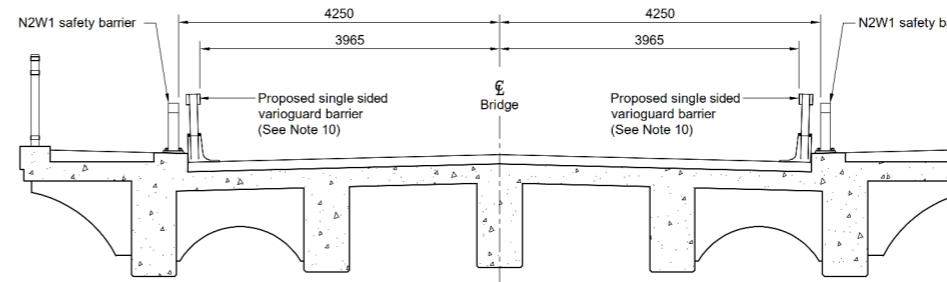
**PLAN AT PIER 6**

SCALE 1:100



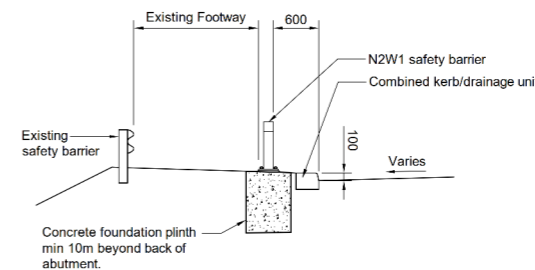
**TYPICAL SECTION THROUGH EXISTING 50ft CONCRETE SPANS**

SCALE 1:50



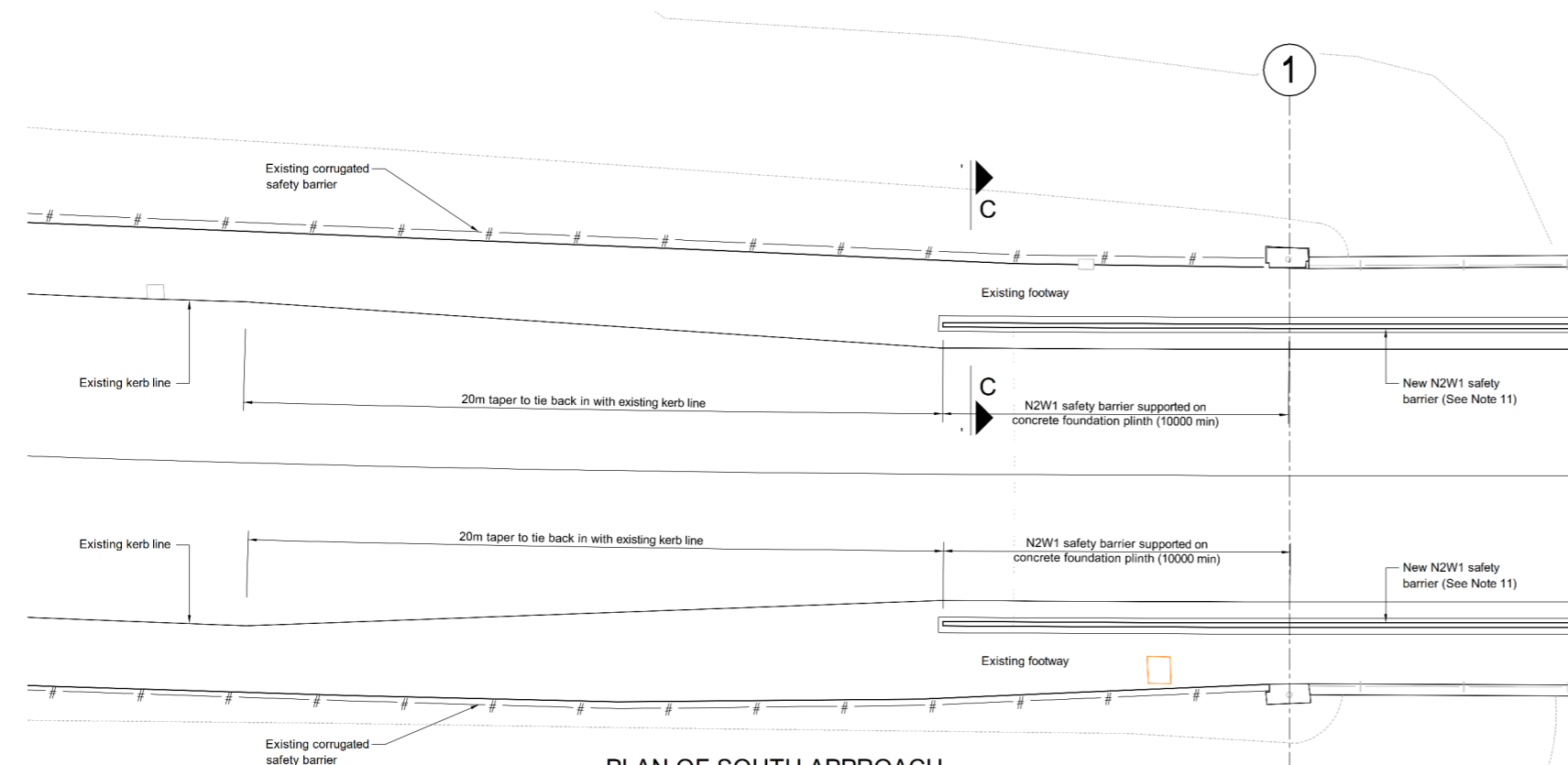
**TYPICAL SECTION BETWEEN PIERS 5 & 6**

SCALE 1:50



**SECTION C-C**

SCALE 1:50



**PLAN OF SOUTH APPROACH**

SCALE 1:100

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**A985 Kincardine Bridge Refurbishment Piled Viaduct Replacement**

**EIA Report Proposed Piled Viaduct General Arrangement**

Sheet 2 of 3

Drawing Status	FINAL	
Scale	NOT TO SCALE	DO NOT SCALE
Jacobs No.	B2020209	
Drawing number	Figure 3.4	Rev 1

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