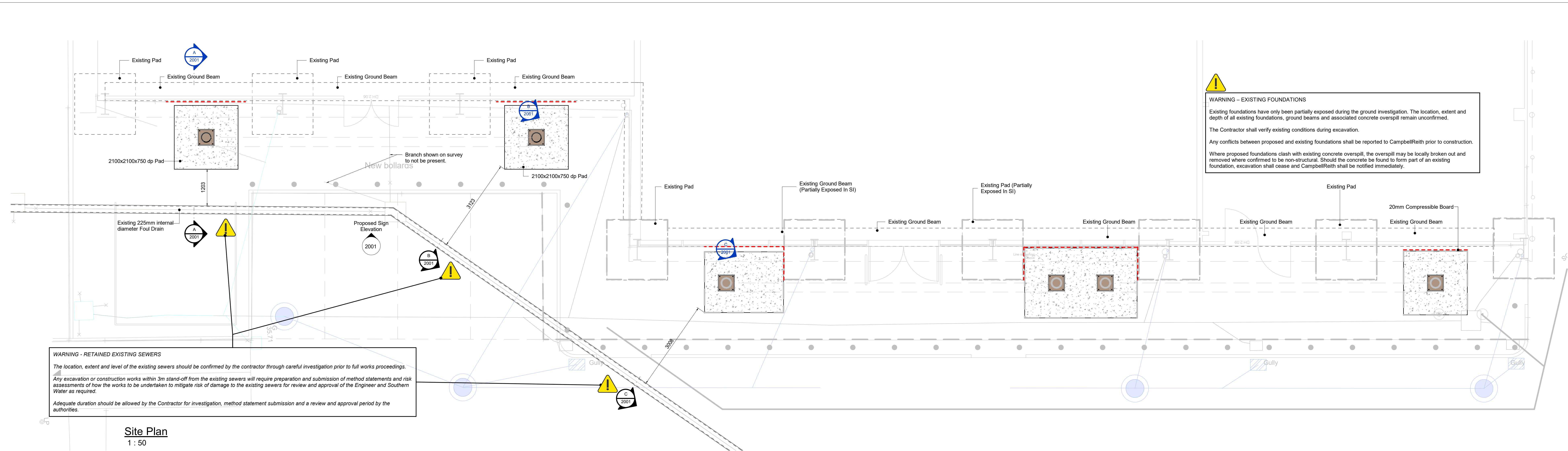
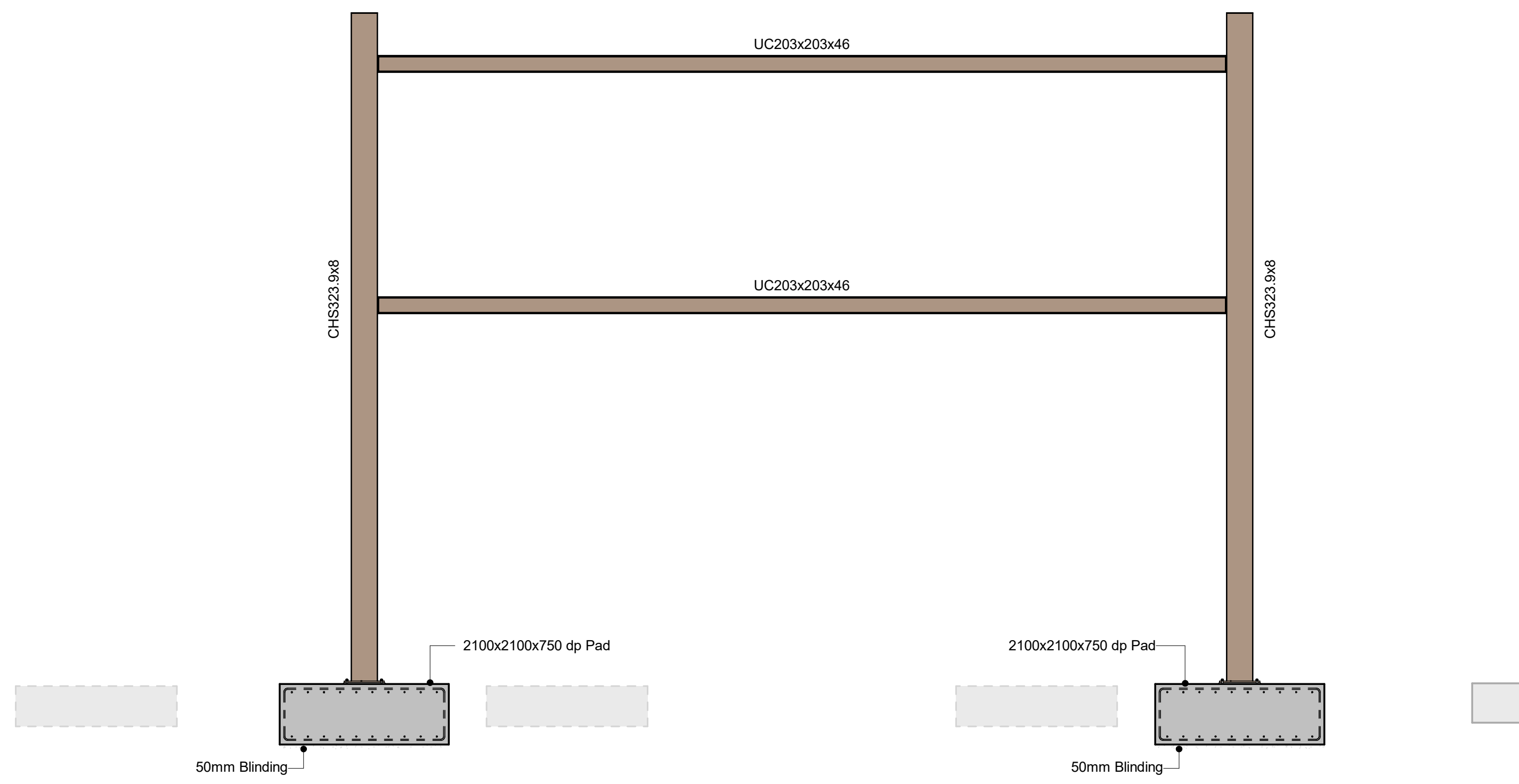
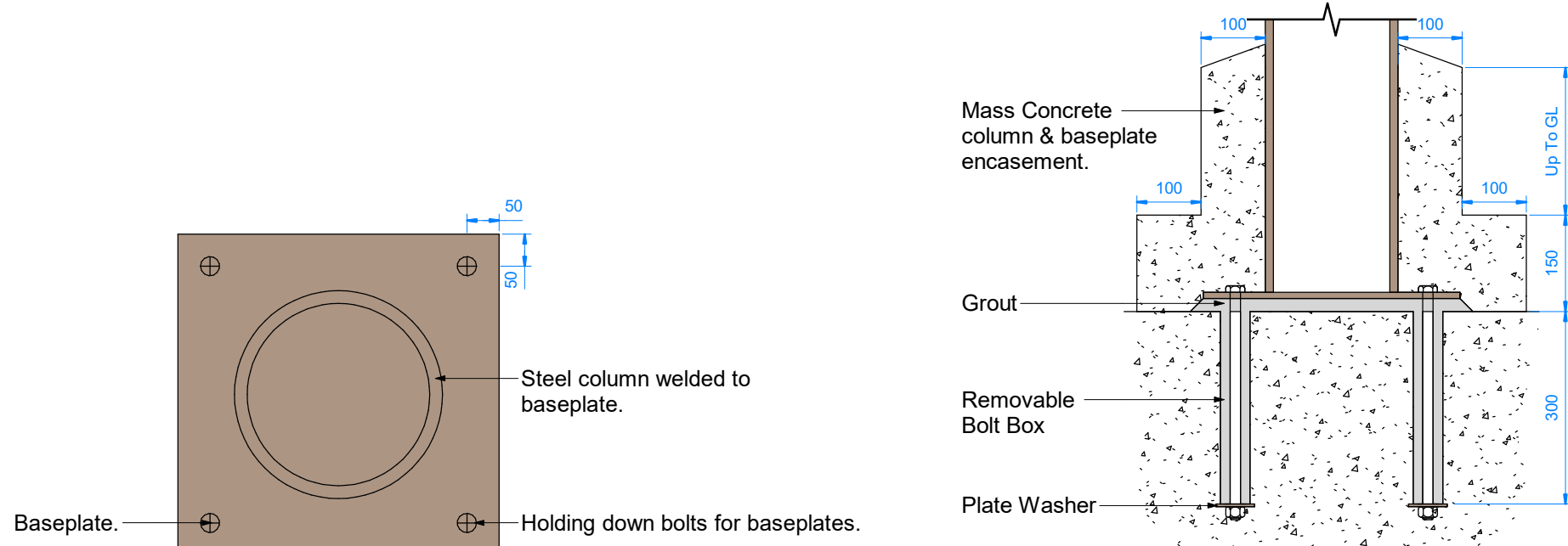




Site Plan
1 : 50

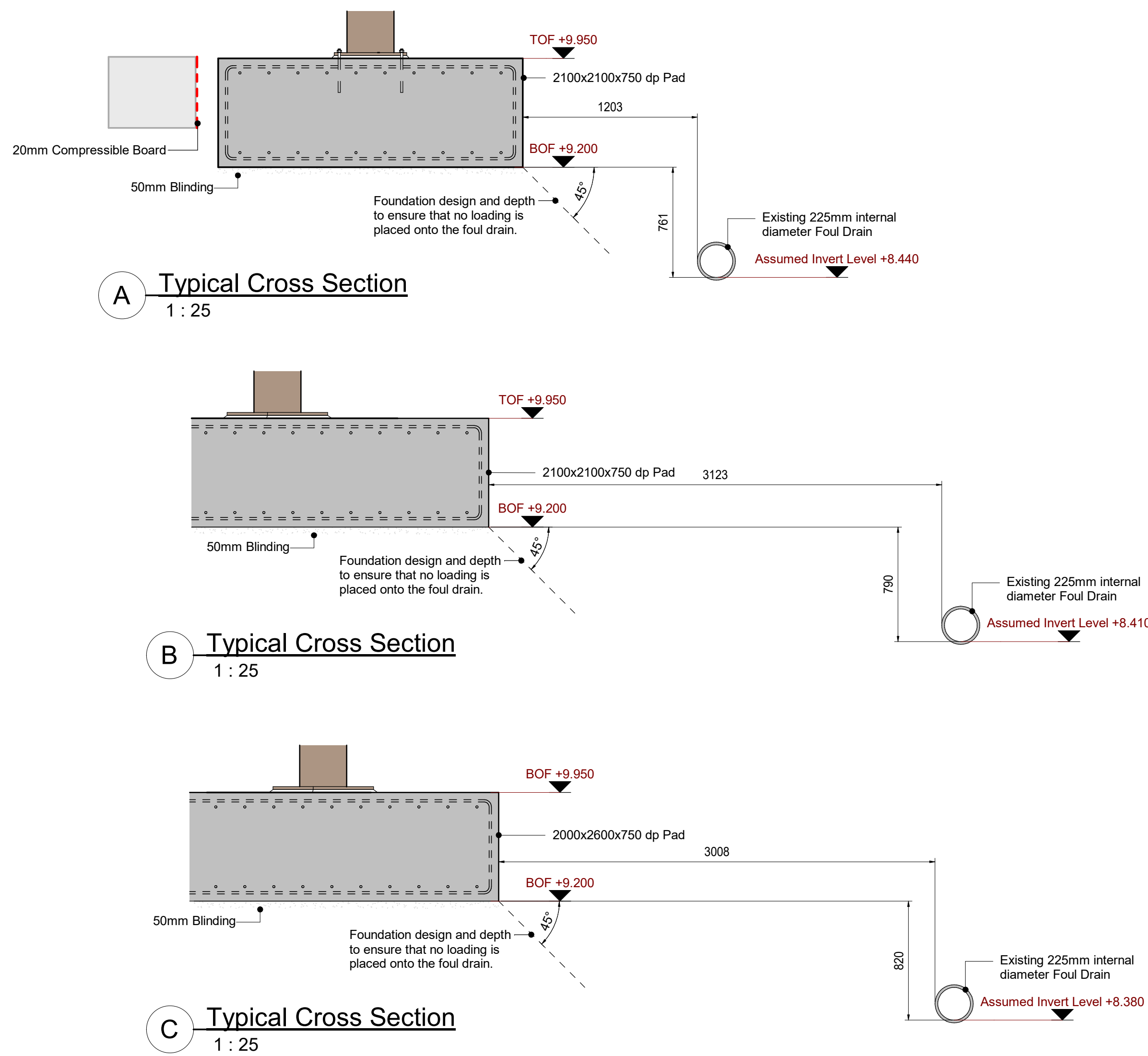


Proposed Sign Elevation
1 : 50



Baseplate Detail
1 : 10

Encasement Detail
1 : 10



A Typical Cross Section
1 : 25

B Typical Cross Section
1 : 25

C Typical Cross Section
1 : 25

1.00 GENERAL NOTES

- Any discrepancies between the structural drawings and other consultants' information shall be reported to CampbellReith prior to commencement of works.
 - The Contractor shall verify all dimensions and existing site conditions before commencing work.
 - The permanent works have been designed for the completed condition only.
 - Temporary stability and temporary works shall be the responsibility of the Contractor.
 - All work shall be carried out in accordance with the current Building Regulations, relevant Eurocodes, British Standards and project specifications.
 - The Contractor shall immediately notify CampbellReith of any unforeseen obstructions, buried structures, services or conditions differing from those assumed within the design.
- 2.00 SETTING OUT**
- Sign posts shall be set out in accordance with the Architect's latest drawings. Structural foundation locations shown on this drawing are based on the current Architect's sign layout.
 - Structural pad foundations shall be centred beneath the sign support posts unless noted otherwise.
 - Any changes to sign position, support arrangement or geometry shall be referred to CampbellReith for review.
 - The Contractor shall verify all setting out dimensions on site prior to excavation and fabrication.

3.00 EXISTING FOUNDATIONS

- Existing foundation information is based upon the findings of Discovery CE Geotechnical Report Ref. 23083JLR01-Waterlooville, "Geotechnical Report, Halfords Waterlooville", dated 14/03/2024.
- The ground investigation comprised exposure of one existing pad foundation and one existing ground beam only, as noted on plan.
- The extent, depth, formation level and geometry of all other existing foundations remain unconfirmed.
- Significant areas of irregular concrete overspill/blinding were encountered adjacent to the exposed foundations. The extent of such material elsewhere across the site is unknown.
- The Contractor shall allow for encountering existing foundations, concrete overspill, buried obstructions and services during excavation works.
- Excavations adjacent to existing foundations shall be undertaken carefully to prevent undermining of existing structures.
- Where proposed foundations conflict with existing concrete overspill, the overspill may be locally broken out and removed where confirmed to be non-structural. Methods of breakout shall be carefully controlled to prevent damage to existing foundations. Heavy percussion breaking adjacent to existing foundations shall be avoided wherever practicable. If the concrete is found to form part of, or be integral with, an existing foundation, works shall cease and CampbellReith shall be notified immediately.
- If existing foundations are encountered in locations differing from those assumed in the design, works shall cease and CampbellReith shall be notified immediately.
- Where excavations extend below existing foundation levels, suitable precautions, excavation sequencing and temporary support measures shall be implemented by the Contractor to ensure existing foundations are not undermined.
- Existing foundations shall remain fully stable and supported at all times during construction.

4.00 FOUNDATIONS

- Foundation sizes, reinforcement and levels shown indicate CampbellReith's design intent.
- Foundations shall bear within competent London Clay and shall not bear within Made Ground.
- Foundation formations shall be inspected prior to placing concrete.
- Any soft, loose or disturbed material encountered at formation level shall be removed and replaced with lean mix concrete.
- Excavations shall be kept free from standing water and protected from disturbance and softening.
- Concrete shall be placed immediately following approval of formation level. Foundation excavations shall not be left open for extended periods. Concrete shall be placed immediately following approval of formation level.
- Blinding concrete shall be provided beneath all foundations.
- Where new foundations are constructed adjacent to existing foundations, a 20mm thick compressible filler board shall be installed between new and existing concrete elements to prevent load transfer and accommodate differential movement. Filler board shall extend the full depth and length of the interface.

5.00 REINFORCED CONCRETE

- Concrete: C30/37
- Reinforcement: Grade B500B high yield reinforcement.
- Pad foundations to be reinforced with:
T16 @ 200 c/c: EW TOP
T16 @ 200 c/c: EW BOTTOM
- Minimum concrete cover:
75mm to reinforcement cast against earth.
50mm to formed faces.
- Reinforcement laps, bends and detailing shall comply with BS EN 1992.

6.00 STRUCTURAL STEELWORK

- Structural steelwork shall be designed, fabricated and erected in accordance with BS EN 1090 and BS EN 1993.
- Hollow structural sections shall be Grade S355J0H unless noted otherwise.
- All bolts shall be Grade 8.8 unless noted otherwise.
- ALL steelwork shall be hot-dip galvanised after fabrication.
- The Steelwork Contractor shall verify dimensions prior to fabrication.

7.00 CONNECTION DESIGN

- All steel-to-steel connections, baseplates, holding down bolts, anchor systems and steel-to-concrete connections are the responsibility of the Steelwork Contractor.
- Connections shall be designed in accordance with the ULS design actions stated on this drawing.
- Connection design shall comply with BS EN 1993 and relevant manufacturer recommendations.
- The baseplate detail shown is indicative only and represents CampbellReith's design intent.
- The Steelwork Contractor shall design and detail all:
 - Baseplates.
 - Holding down bolts.
 - Anchor systems.
 - Stiffeners.
 - Gusset plates.
 - Welds.
- Auxiliary connection components required for a complete installation.
- The proposed anchorage system shall be submitted to CampbellReith for review.

8.00 SIGNAGE PACKAGE

- Final sign self-weight is to be confirmed by others.
- Sign panels, brackets, proprietary fixings and attachments are by others.
- Secondary steelwork required to support sign panels is by others.
- Any increase in sign weight, wind area, eccentricity or support arrangement from that assumed within the design shall be referred to CampbellReith.

9.00 SERVICES & DRAINAGE

- Refer to Civil Engineering drawings for drainage diversions and external works requirements.
- Existing service locations shown on any drawings are indicative only.
- The Contractor shall verify the location of all existing services prior to excavation.
- An existing foul water sewer and associated easement are present within the vicinity of the proposed works, see plan.
- No excavation shall commence until buried services have been identified and suitably protected.
- Any conflict between proposed foundations and existing services shall be reported immediately to CampbellReith.

10.00 STEELWORK DESIGN CRITERIA

- Deflection limits:
 - Maximum live load deflection: Span/360, limited to 25 mm maximum.
 - Maximum total deflection: Span/250, limited to 40 mm maximum.
 - Maximum horizontal deflection at top of sign support under serviceability wind loading: H/100.
- Baseplate design actions (ULS):
 - Vertical Compression, V_{Ed} = 25 kN
 - Horizontal Shear, H_{x,Ed} = 15 kN
 - Horizontal Shear, H_{y,Ed} = 5 kN
 - Moment, M_{x,Ed} = 75 kNm
 - Moment, M_{y,Ed} = 30 kNm
- Stiffener to column connections actions (ULS):
 - Vertical Shear, V_{Ed} = 15 kN
 - Horizontal Shear, H_{Ed} = 10 kN
 - Minimum Tie Force, T_{Ed} = 75 kN

Notes

- Do not scale from this drawing on print or electronically. Work from figured dimensions only.
- No deviation from the details on this drawing is allowed without CampbellReith's prior permission in writing.
- Read this drawing with all Architect's, Service Engineer's and CampbellReith's relevant details, specifications and drawings.
- All work is to be done in accordance with the relevant specifications issued by CampbellReith, British Standard Codes of Practice, Statutory Requirements and the Contract Documents.
- Drawing Revision:**
 - P: Preliminary** - Evolving drawings for approvals, tenders, billings etc.
 - C: Contractual** - Drawings authorized and approved for stage completion.
- Drawing Status:**
 - WIP** - Work in progress (WIP)
 - SU** - Initial Status
 - Shared (Non-contractual)**
 - S1** - Suitable for coordination; **S2** - Suitable for information.
 - S3** - Suitable for review and comment.
 - S4** - Suitable for review and authorization.
 - S5** - Suitable for review and acceptance.
- Published (Contractual)**
 - A1** - Authorised and accepted ('r' relates to work stages)
 - B1** - Partial sign-off (with comments)
 - CR** - As constructed record document (Final Construction ONLY. Any deviations to that which is on site is not the liability of CampbellReith)
- Work Stages:**
 - 2** - Concept, **3** - Definition, **4** - Design, **5** - Build & commission, **6** - Handover
- Only drawings with revision **On** and status **A5** to be used for construction.

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www.campbellreith.com

Job Title
Wellington Retail Park
Client
BL Wellington Limited

Sign Base Details

Date made July '26 Scale @ A1 As indicated Suitability S2 CR Project 13563-05

Project No. Originator 13563-05 CRH Funct. XX Spatial XX Form DR Disc. S Number 2001 Rev P01