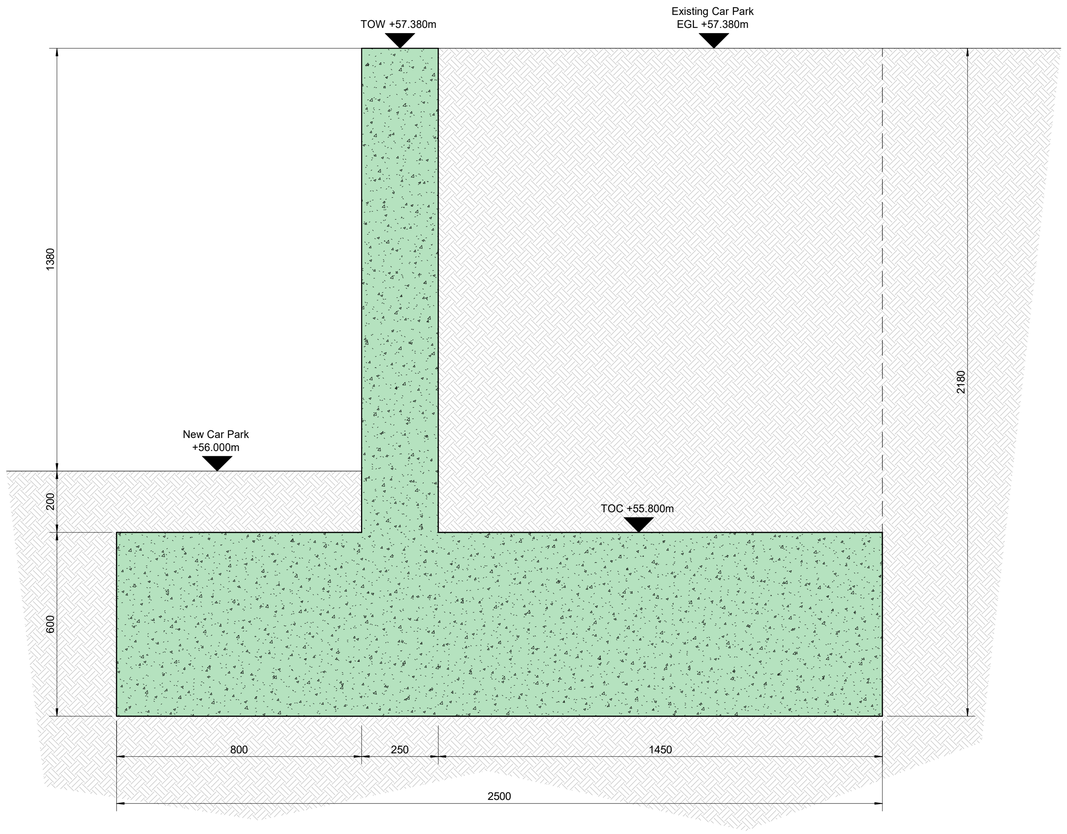
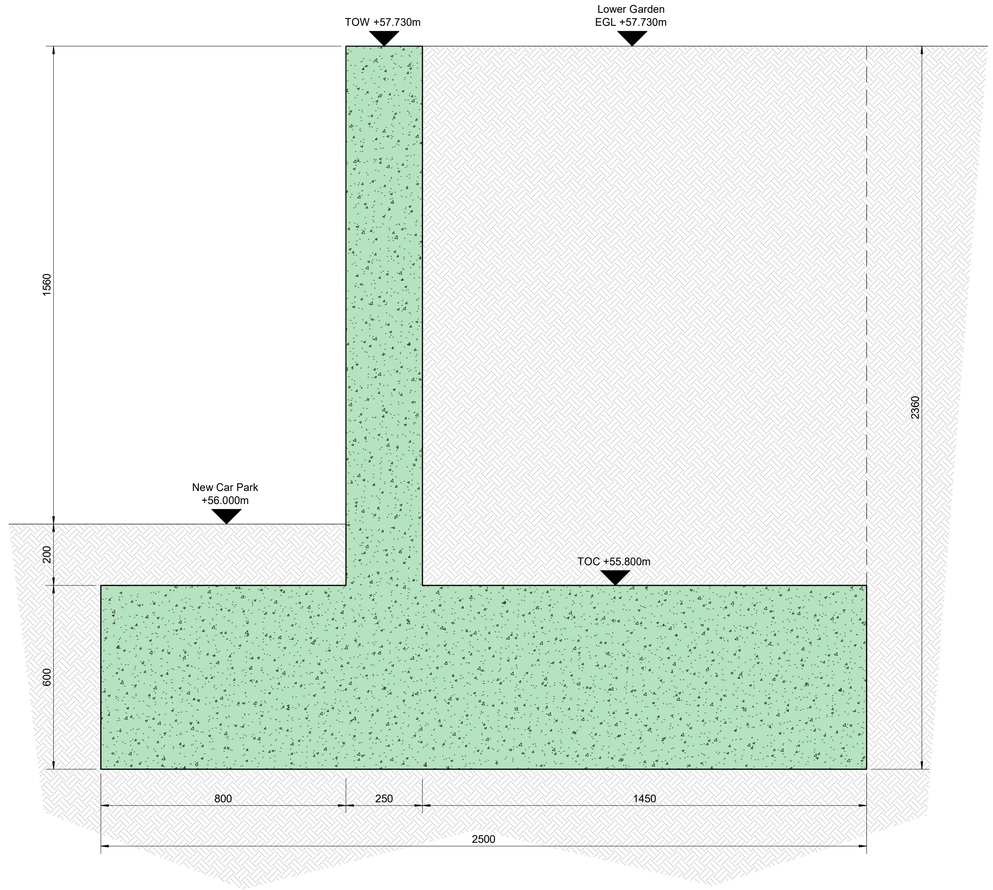


RW1
Retaining Height 1380mm
(1 : 10)



RW2
Retaining Height 1560mm
(1 : 10)

Notes

GENERAL

1. This drawing is to be to be read in conjunction with all relevant Engineers, Architects and Specialists drawings, models and specifications.
2. No dimensions are to be scaled from this drawing.
3. All dimensions are in millimetres and levels are in metres unless noted otherwise.
4. The Engineer is not responsible for dimensional information except where shown on the drawings. All setting out information, dimensions etc. shall be calculated from the Architects drawings.
5. All drawings issued in CAD/Revit format are provided solely as a supplement to the information shown on the equivalent PDF drawing only.
6. The contractor shall verify all site dimensions and existing details, setting out dimensions and levels with the Architect. Engineer to be informed of any discrepancies before proceeding with work.
7. Existing details are assumed and are to be confirmed on site with any discrepancies recorded and reported to the Engineer so that any adjustments required to the scheme can be considered.
8. The contractor is responsible and liable for ensuring the stability of the works, adjoining structures and services at all stages of construction. Any temporary works are to be designed and detailed by the contractor.
9. All existing services are to be located prior to commencement of the work on site. Unless shown we have no knowledge of any underground obstructions or services. These are to be determined prior to the commencement of the works on site.
10. Refer to the Architect's/Fire Consultant's drawings and specifications for the overall fire strategy and protection requirements of the building and structure.

PRELIMINARY - NOT FOR CONSTRUCTION

GENERAL NOTES: REINFORCEMENT

Reinforcement to be to the requirements of BS EN 1992-1-1:2004 and relevant National Annex, BS8666:2020.

Bar reinforcement to be in accordance with BS4449:2005.

Reinforcement shown on the Engineer's drawings are provided as structural design intent. The Contractor shall produce reinforcement detail drawings and schedules to achieve the structural design intent unless agreed otherwise with the Engineer.

Reinforcement detail drawings and schedules shall be produced in accordance with IstructE's Standard Method of Detailing Structural Concrete 4th edition published in January 2021, or other similar approved industry standards and publications. Reinforcement detail drawings shall be clear and legible, with areas of congestion called out as appropriate.

The Contractor shall allow in his programme for submitting reinforcement drawings and schedules to the Engineer at least 15 working days prior to placing orders or commencing fabrication to allow for review, comments and amendments to occur.

Height of kickers shall be 150mm unless noted otherwise.

Nominal cover to reinforcement for foundations to be 75mm if cast directly against the soil, or 50mm if cast on blinding or against any formwork.

Minimum lap lengths to be 60 x bar diameter, based on the smallest bar diameter in the lap unless shown on the Engineer's or Contractor's reinforcement detail drawings.

GENERAL NOTES: CONCRETE

Concrete to be to the requirements of BS EN 1992-1-1:2004, 1992-1-2:2004, 1992-3:2006 and relevant National Annex, BS EN 206:2013+A2:2021, and BS 8500-1&2:2023.

Concrete mix for retaining walls to be RC28/35.
Concrete mix to contain a minimum cement content of 320kg/m^3 and maximum water to cement ratio of 0.60.

Concrete mix for retaining walls assumes design sulphate class DS-1, ACEC Class AC-1 and design chemical class DC-1.

In the interest of reducing carbon emissions, the use of coarse Recycled Aggregates (RA) or Crushed Concrete Aggregates (CCA) shall be prioritised over natural or manufactured aggregates if readily available. Designated concrete GEN0-3 may contain up to 100% coarse RA or CCA. Designated concrete RC20/25-40/50 may contain up to 20% coarse RA or CCA.

In the interest of reducing carbon emissions, the use of Secondary Cementitious Materials (SCM) and Admixtures shall be considered by the concrete supplier to reduce the cement content of concrete. The Contractor shall send the concrete mix specification to the Engineer and obtain approval prior to ordering. If used, the Contractor may need to amend their formwork striking times to suit any loss of early strength gain.

Concrete workmanship and execution shall be in accordance with the National Structural Concrete Specification (NSCS) 4th edition unless noted otherwise.

Concrete execution in cold weather shall be in accordance with BS EN 13670:2009 unless noted otherwise.

Large volume concrete pours shall be in accordance with The Concrete Society's Concrete Advice No. 25 published in March 2019 unless noted otherwise.

DO NOT SCALE FROM THIS DRAWING

Rev.	Amendment	Drn.	Chkd. / Appd.	Date
P01	Preliminary Issue	GB	EG / JH	21.06.24

Project
South Downs Campus
Revised CP6 Layout Scheme

Drawing
Retaining Wall Sections
Sheet 1

Client
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Scale at A1 - 1 : 10
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P01
Revision

CP004-01_FM_ST_008_D