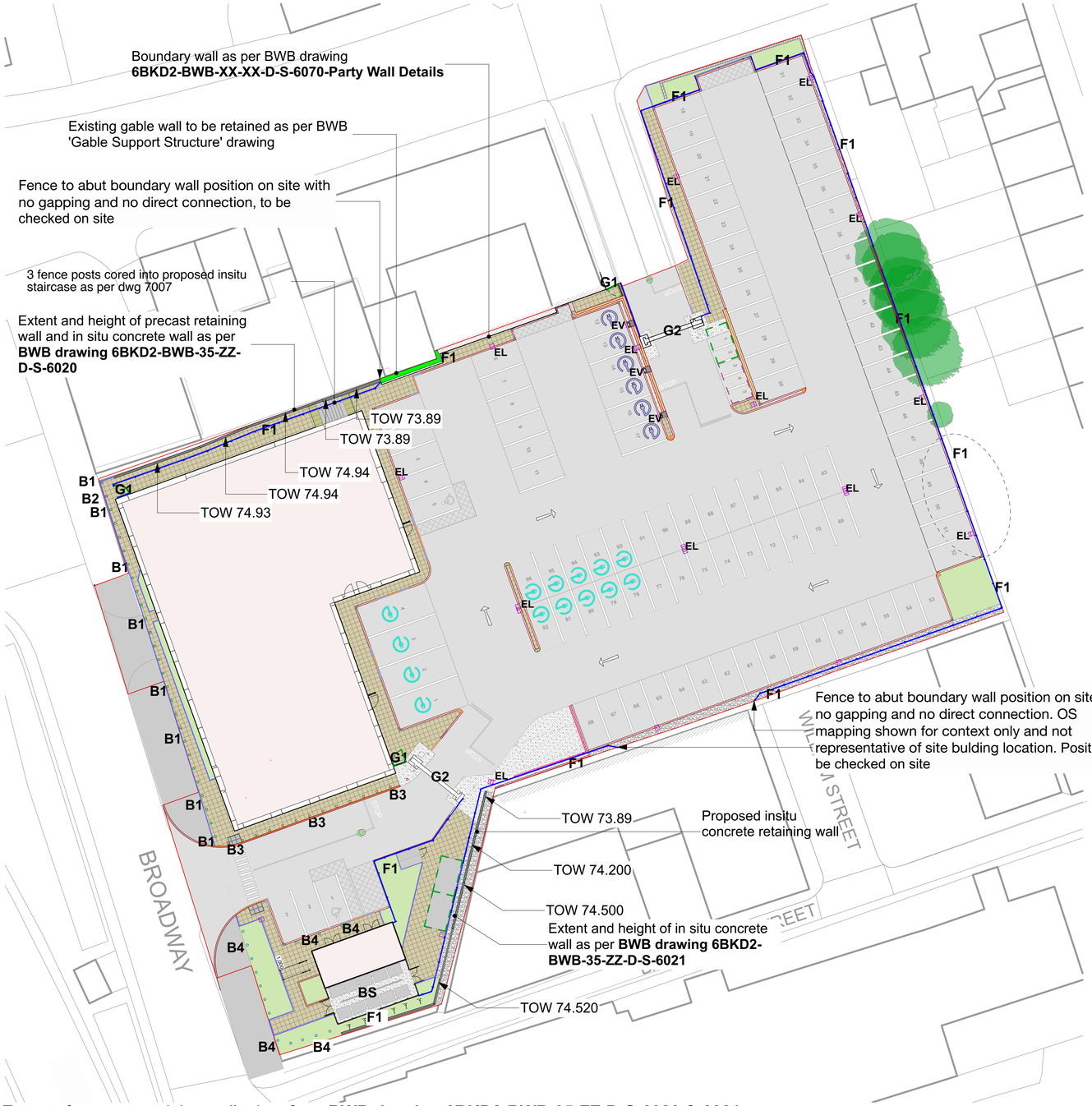

Extent of precast retaining wall taken from **BWB drawing 6BKD2-BWB-35-ZZ-D-S-6020 & 6021**

For Kerb details refer to **BWB drawing 6BKD2-BWB-51-XX-D-C-0720_Pavement and Kerbs Details**

To be read in conjunction with following BBA landscape drawings - latest revisions
1003-Proposed Landscape General Arrangement
1004-Proposed Hard works layout
1005 Proposed Softworks layout
1006 Proposed Fencing layout
0010-Landscape Material Schedule
Drainage Engineers drawings for Manholes and gullies

G1- 1.2m wide single leaf Pedestrian Gates UHS Extreme Mesh SR3
Height Overall to line through with fence to maintain perimeter security - over panel may be required

F1- 3m high Secure Fence mesh .

Fencing Requirements
Mesh
Securifor 358 Double Skin. Design to meet or exceed BS 1722 Part 14
All mesh to be CCTV friendly
Open mesh steel panel security fencing and pedestrian gates to achieve LPS 1175 SR3 rating

Posts
Set with minimum 1/3rd planted root or greater where necessary to achieve adequate support set in mass concrete not less than GEN1 or ST2 in accordance with BS 8500-1
Fence to be side fixed/bolted on to proposed concrete retaining wall (where denoted) to structural engineer's specification and manufacturer's details.
Foundation to engineer's design and manufacturer's recommendation

Finish
All components galvanised to BS EN 1461 with PPC RAL finish to BS 6496. RAL 9005 Black.
Stainless steel fixings are to be powder coated the same colour as the fence.

Pedestrian Gate Requirements
Design Criteria
Manual and Automated as design dictates
Effective clear gate opening width of primary leaf minimum 1000mm in accordance with the Building Regulations Part M 2.13b Table 2
Lock and controls suitably shrouded/protected to prevent fishing or hand operation of internal lever handle set
Apertures and surrounding construction gaps set so a 100mmø sphere cannot pass in accordance with Building regulations Part K 3.3

Construction
Steel construction to replicate fence style within the permitted tolerances of the manufacturers test criteria for components used in the manufacture

Locking
Heavy duty surface mounted high security single or multi point auto deadlocking lock with electromechanical locking and FAIL SECURE operation with SATE lever handle set internally (green), externally with lever handle set and keyed operation with Scandinavian Oval Cylinder in cylinder guard to provide mechanical override of access control system (lock to be fitted with outputs to remotely monitor lock and bolt status)
Where powered opening required - motorised lock to be fitted and interfaced to access control system together with opening/closing device
with tested and approved locks from
Surelock McGill Ltd
Tindall Engineering Ltd
or similar approved

Drive (Drive, Control and Automation safety to specialist designer design and specification)

Powered operation for DDA use where design dictates with 100% duty cycle capable of continuous use with hydraulic operation for opening and closing
Hydraulic operation for normal use with external quality closer

Controls
Omni-directional opening capable of interface with access control system with manual override
Fail SECURE on entry
Fail SAFE on exit at ALL times
OPEN PROTOCOL access to programming and end user interface for adjustment and full operation of the system by the client on completion - including any specialist soft or hardware as necessary

Automation Safety
Carry out a suitable and sufficient risk assessment
Designed to meet or exceed the requirements of BS EN 13241-1 and BS EN 16005 together with the relevant sections of BS 7036
Photo beam detection system
Safety edges to all leading edges and entrapment points

Finish
All components galvanised to BS EN 1461 with PPC RAL finish to BS 6496

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If in doubt ASK. Drawing measurements shall not be obtained by scaling. Verify all dimensions prior to construction.
Immediately report any discrepancies on this document to the Originator. This document shall be read in conjunction with associated models, specifications and related consultants' documents.

Key plan

North

Key

0 1 2 3 4 5 6 7 8 9 10

G1 / G2 — **Pedestrian Gate - LPS 1175 SR3**
Please refer to material schedule for more detail 6BKD2-BBA-30-ZZ-SP-L-0010-Landscape Material Schedule
PAS 68 Rising Arm Barrier With Traffic Lights
Please refer 6BKD2-BBA-30-ZZ-SP-L-0010-Landscape Material Schedule

F1 — **Fencing mesh - 3m high LPS 1175 SR3**
Please refer to material schedule for more detail 6BKD2-BBA-30-ZZ-SP-L-0010-Landscape Material Schedule

B2 — Type 1 Bollard
Terra Jupiter Bollards (Removable) 7.5t @50mph (80kmh)

B1 — Type 2 Bollard
Terra Jupiter Bollards (Static) 7.5t @50mph (80kmh)

B3 — Type 3 Bollard
Terra Venus Bollards 7.5t @30mph (48kmh)

B4 — Type 4 Bollard
Terra Mars Bollards 7.5t @40mph (64kmh)

BS — **Bin storage**
Please refer to 6BKD2-BBA-30-ZZ-SP-L-0010-Landscape Material Schedule & manufacture's specification and detail

Barriers

EV — EV Chargers 22kw pillars by others
BX14 6615.440-EV protection to each charger
Barriers to be **800**mm high above ground

EL — Protective barriers to 6m Lighting columns by others drawing, BX14 6615.440-EV protection to each column (2 to double head and 1 to single head unless otherwise specified)

Boundary wall

Existing outbuilding gable wall retained. Refer to 6BKD2-BBA-33-ZZ-D-A-0003 Party Wall Sketch for further details

Proposed retaining wall (Refer BWB drawing 6BKD2-BWB-35-ZZ-D-S-6021,& 6020 latest revision for details

Existing Building and boundary wall to form secure line

Notes

The fence and gate requirements have been taken from the Employer's Requirements Issue 22

Refer to MEP drawings/specification for electronic access control.

ALL security ratings and products subject to ALO and CTSA "signed off" approval

All dimensions of gate widths & fence heights to be confirmed via site measure with specialist manufacturer to Client's approval prior to manufacture.

Rev	Description	Drawn	Checked	Date
C09	Layout amendments to suit	TC	AK	24/04/26
C08	Fencing & Retaining walls updated following BWB drawings	TC	AK	24/03/26
C07	Minor updates to the key	AD	AD	12/12/25
C06	Planting to north & west elevation chng	TC	AD	05/12/25
C05	Retaining wall to south-east corner amended to suit BWB drawings. Fence line updated around site perimeter.	AD	AD	14/10/25
C04	Minor amendments	AD	AD	19/09/25
C03	Drawing amended to suit planners comments dated 19/08/2025	JCC	AD	26/08/25

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Morgan Sindall

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6BKD2

Proposed Fencing Layout

Originator project ref **22148**
Purpose of Issue **For Construction**
Scale(s) **1:250**
Paper size **A1**

project originator volume level type role number: **6BKD2-BBA-30-ZZ-D-L-1006**
revision: **C09**

Native model: 22148-Site