

NOTES

1.0 DRAWING INFORMATION

- 1.1 Drawing based on:
HAC DESIGNS LTD Proposed Foundation and Drainage Plan
23059.S.BC-04 REV B.
- 1.2 Drawing to be read in conjunction with following Ground Control documents:
GC Tree Constraints Plan J230306-GC-A-DR-3-001 - Rev A
GC Arboricultural Report - J240099-GGC-XX-XX-T-ARB-0600 - P02
- 2.0 TREE PROTECTION FENCING.
- 2.1 All trees requiring protection (as highlighted) to be protected for the duration of the contract in accordance with British Standard BS5837:2012, entitled 'Trees in relation to design, demolition and construction - Recommendations'. Refer to Arboricultural Report for details.

3.0 MANUAL EXCAVATION

- 3.1 Within root protection areas the depths of any excavations, whether for proposed foundations, hard surfacing, planting or underground services shall be undertaken by hand under arboricultural supervision. The soil will be loosened with a pick or fork, and then will be cleared from roots with a compressed air soil pick. All roots will be cut cleanly with a saw or secateurs. The edge of the excavation closest to the trees will be covered with Hessian sacking to prevent drying out, if necessary be shuttered with an appropriate material to prevent soil collapse. Where appropriate, the soil beneath this depth may be sheet piled; and deeper excavation may be undertaken by a machine provided it works from outside the root protection areas.
- 4.0 ARBORICULTURAL SUPERVISION
- 4.1 The arboricultural consultant will be directly supervising all construction works that have to be undertaken within root protection areas. These include:
- 4.1.1 Location of protective fencing.
- 4.1.2 Lifting/excavation of existing hard surfaces.
- 4.1.3 Construction of proposed hard surfaces.
- 4.1.4 All other excavations, whether for proposed foundations, or underground services

5.0 GENERAL SITE OPERATIONS

- 5.1 The following should be avoided. (BS5837:2012 sec 7 and 8)
- 5.1.1 Material which will contaminate the soil, e.g. concrete mixings, diesel oil and vehicle washings, should not be discharged within 10m of the tree stem.
- 5.2.2 Fires should not be lit in a position where their flames can extend to within 5 m of foliage, branches of trunk. This will depend on the size of the fire and the wind direction.
- 5.3.3 Notice boards, telephone cables or other services should not be attached to any part of the tree.

6.0 GROUND PROTECTION

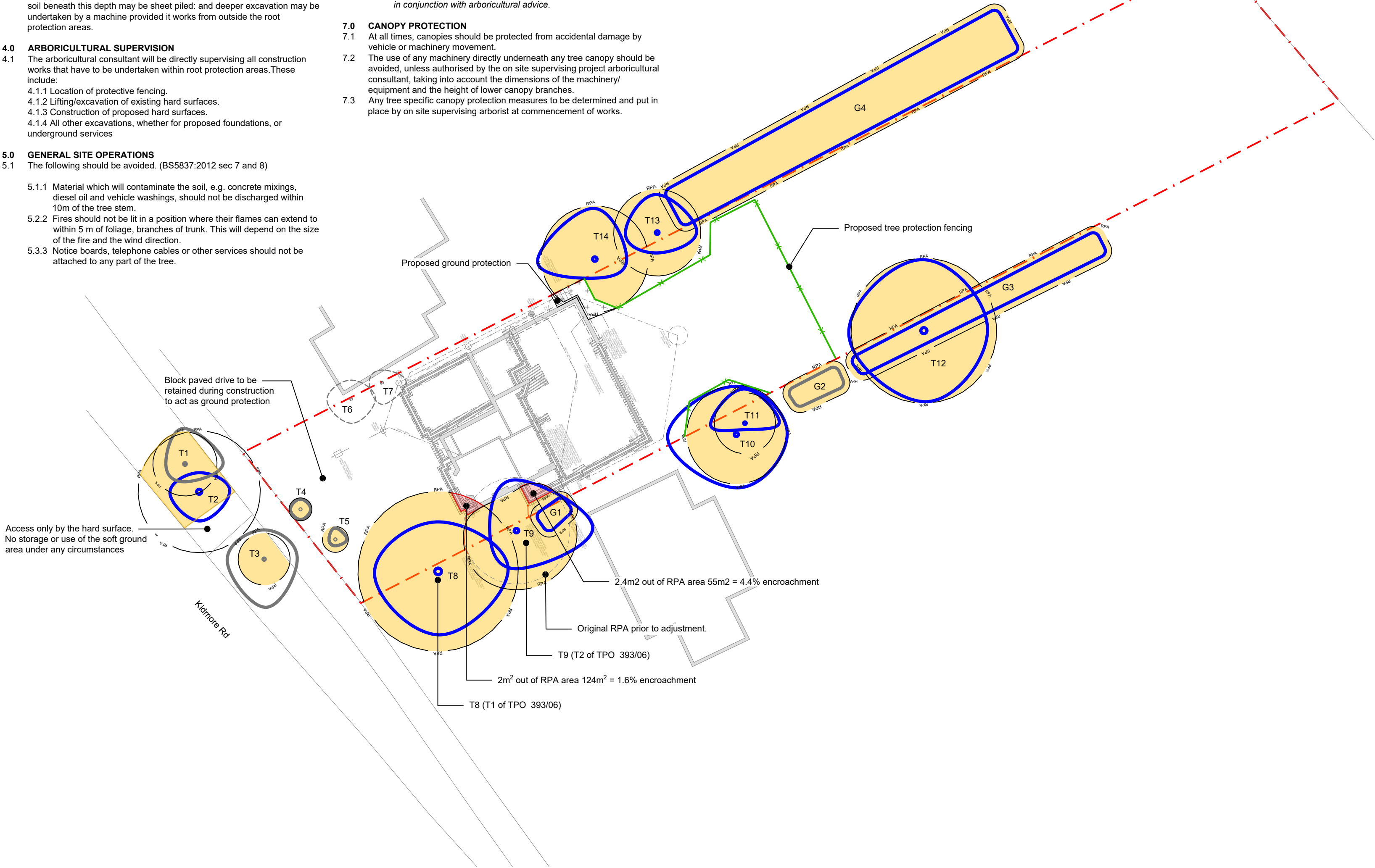
- 6.1 The default position should remain as any existing hard surfacing within the RPA should remain in place and act as ground protection throughout duration of works.
- 6.2 Where the retention of existing surfacing is not possible and ground is left exposed temporary ground protection should be installed in accordance with BS5837:2012 and the specification below and illustrative details on drawing:
- 6.2.1 For Pedestrian Movements;
Single thickness of scaffold boards placed on top of a driven scaffold frame to form a suspended walkway or on top of a compression resistant layer such as 100mm depth wood chip laid onto a geo-textile membrane.
- 6.2.2 Pedestrian Operated Plant up to 2 ton;
Proprietary interlinked ground protection board placed on top of compression resistant layer such as 150mm depth of wood chip laid onto a geo-textile membrane.
- 6.2.3 Wheeled or Tracked Construction Traffic exceeding 2 ton gross weight;
An alternative system such as a proprietary systems or pre cast reinforced concrete slabs to an engineering specification designed in conjunction with arboricultural advice.

7.0 CANOPY PROTECTION

- 7.1 At all times, canopies should be protected from accidental damage by vehicle or machinery movement.
- 7.2 The use of any machinery directly underneath any tree canopy should be avoided, unless authorised by the on site supervising project arboricultural consultant, taking into account the dimensions of the machinery/ equipment and the height of lower canopy branches.
- 7.3 Any tree specific canopy protection measures to be determined and put in place by on site supervising arborist at commencement of works.

LEGEND:

- Existing category 'B' trees & Tree Groups to be retained
- Existing category 'C' trees & Tree Groups to be retained
- Construction Exclusion Zone (CEZ) within Root Protection Area (RPA)
- Proposed ground protection in accordance with BS 5837:2012 Section 6.2.3
- Proposed tree protection in accordance with BS 5837:2012
- Encroachment area



A	Revised to suite updated design layout	09.05.24	IH	LG
Rev.	Changes	Date	Dr.by	Ap.by



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Tree Retention and Protection Plan

Date	15 March 2023	Drawn by	IH	Checked by	LG	Scale(s)	1:250@A2
Drawing No.	J230306-GC-A-DR-3-002	Rev	A	Issue status	Planning		

- Notes:
- © This drawing is the copyright of Ground Control Ltd and cannot be reproduced in any form without express consent of the company.
 - Do not scale off this drawing. All written dimensions are to be checked on site prior to commencing works.
 - All discrepancies, errors or omissions are to be reported for clarification before proceeding.

Tree Constraints and Protection Plan SCALE:1:250 @ A2

