

Indicative only

**Arboricultural Impacts**

Impacts	No. of trees
Trees to be removed	37
Group 1 trees to be removed (Partial removal of groups)	1(3)
Trees with proposed measures into RPA	0
Group 1 hedges with proposed measures into RPA	0
Trees that will require pruning	0
Group 2 trees that will require pruning	0
Trees to be translocated	0
Group 1 hedges to be translocated	0

**Tree Work Schedule**

No.	Species	Works	Category
T07	Common Ash	Fell to ground level, remove stump	U
T08	Field Maple	Fell to ground level, remove stump	C1
T09	Silver Birch	Fell to ground level, remove stump	C12
T10	Silver Birch	Fell to ground level, remove stump	C12
T11	Silver Birch	Fell to ground level, remove stump	C12
T12	Silver Birch	Fell to ground level, remove stump	C12
T13	Silver Birch	Fell to ground level, remove stump	C12
T14	Field Maple	Fell to ground level, remove stump	C12
T15	Goat Willow	Fell to ground level, remove stump	C12
T16	Silver Birch	Fell to ground level, remove stump	C12
T17	Silver Birch	Fell to ground level, remove stump	C12
T18	Silver Birch	Fell to ground level, remove stump	C12
T19	Silver Birch	Fell to ground level, remove stump	C12
T20	Silver Birch	Fell to ground level, remove stump	C12
T21	Silver Birch	Fell to ground level, remove stump	C12
T22	Silver Birch	Fell to ground level, remove stump	C12
T23	Silver Birch	Fell to ground level, remove stump	C12
T24	Field Maple	Fell to ground level, remove stump	C12
T25	Silver Birch	Fell to ground level, remove stump	C12
T26	Silver Birch	Fell to ground level, remove stump	C12
T27	Silver Birch	Fell to ground level, remove stump	C12
T28	Silver Birch	Fell to ground level, remove stump	U
T29	Silver Birch	Fell to ground level, remove stump	C12
T30	Silver Birch	Fell to ground level, remove stump	C12
T31	Silver Birch	Fell to ground level, remove stump	C12
T32	Silver Birch	Fell to ground level, remove stump	C12
T33	Silver Birch	Fell to ground level, remove stump	C12
T34	Silver Birch	Fell to ground level, remove stump	C12
T35	Silver Birch	Fell to ground level, remove stump	C12
T36	Silver Birch	Fell to ground level, remove stump	C12
T37	Silver Birch	Fell to ground level, remove stump	C12
G01	Various	Partial fell area as shown on the AIA plan	B12
G02	Various	Fell to ground level, remove stumps	B12
G03	Various	Partial fell area as shown on the AIA plan	C12
G04	Various	Partial fell area as shown on the AIA plan	B12

All tree work to be undertaken in accordance with British Standard BS 5829:2017 Tree work - Recommendations.  
All areas to be removed and the site to be left as found.  
Care is to be taken of the ground around retained trees to make sure that it does not become compacted as a result of tree surgery operations. No equipment or vehicles such as simon rollers, ractors, excavators or cranes shall be parked or driven beneath the crowns of any retained trees, to prevent subsequent compaction and root death.

**No. of individual trees to be removed**

U	A	B	C
2	9	2	37

**No. of groups / hedges to be removed**

U	A	B	C
0(0)	0(0)	1(0)	1(0)

**Utility apparatus**

**Underground utility apparatus**  
Mechanical trenching for the installation of underground apparatus and drainage serves any roots present and can change the local hydrology in a way that adversely affects the health of the tree. For this reason, particular care should be taken in the root and methods of installation of underground apparatus. Wherever possible, apparatus should be routed outside of RPAs. Where this is not possible, it is preferable to keep apparatus together in common ducts, all inspection chambers should be sited outside of the RPAs.  
Where underground apparatus is to pass within the RPAs, detailed plans showing the proposed route should be drawn up in conjunction with the project architect. In such cases trenchless insertion methods should be used with entry and retrieval pits being located outside of the RPAs. If this option is not feasible and providing roots can be retained and protected excavations should be undertaken using hand held tools (air-spade, forks, shovels) or a combination of trenching and manual excavation (broken branches).  
Any design and installation should be undertaken in accordance with the National Joint Utilities Guidelines (NJUG).

**Above-ground utility apparatus**  
Above-ground apparatus including CCTV cameras and lighting should be sited to avoid the need for detrimental tree pruning, as such the current and future crown size of the tree should be assessed. Tree branches can be pruned back with care to provide space, though it is not appropriate for specific and significant trees work to bear visual design solution unless this is a suitable management outcome for the tree. Any pruning should be undertaken in accordance with BS5829:2017.

Rev: | Date: | Notes:

A	05/04/24	Updated with latest layout
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Project: Cardiff and Vale College, Advanced Technology Centre, Land off Port Road, Vale of Glamorgan, CF62 3BD

Client: WEPCo

Drawing: Arboricultural Impact Assessment

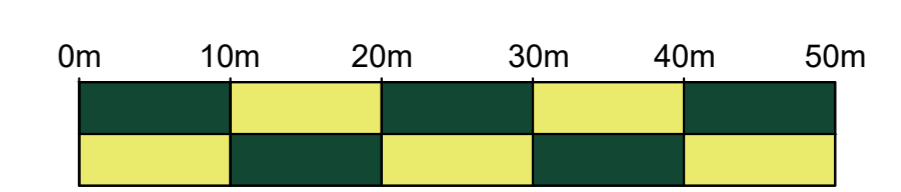
Based on: VG0101-ALA-00-XX-DR-L-00002 Rev P08 Landscape General Arrangement

Drawing No: Arbtech AIA 01 Rev: A

Date: Jan 2024 Scale: 1:500 @ A0 Drawn: EK

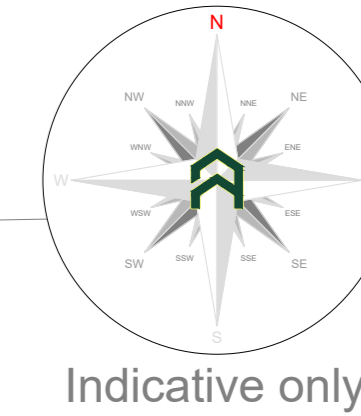
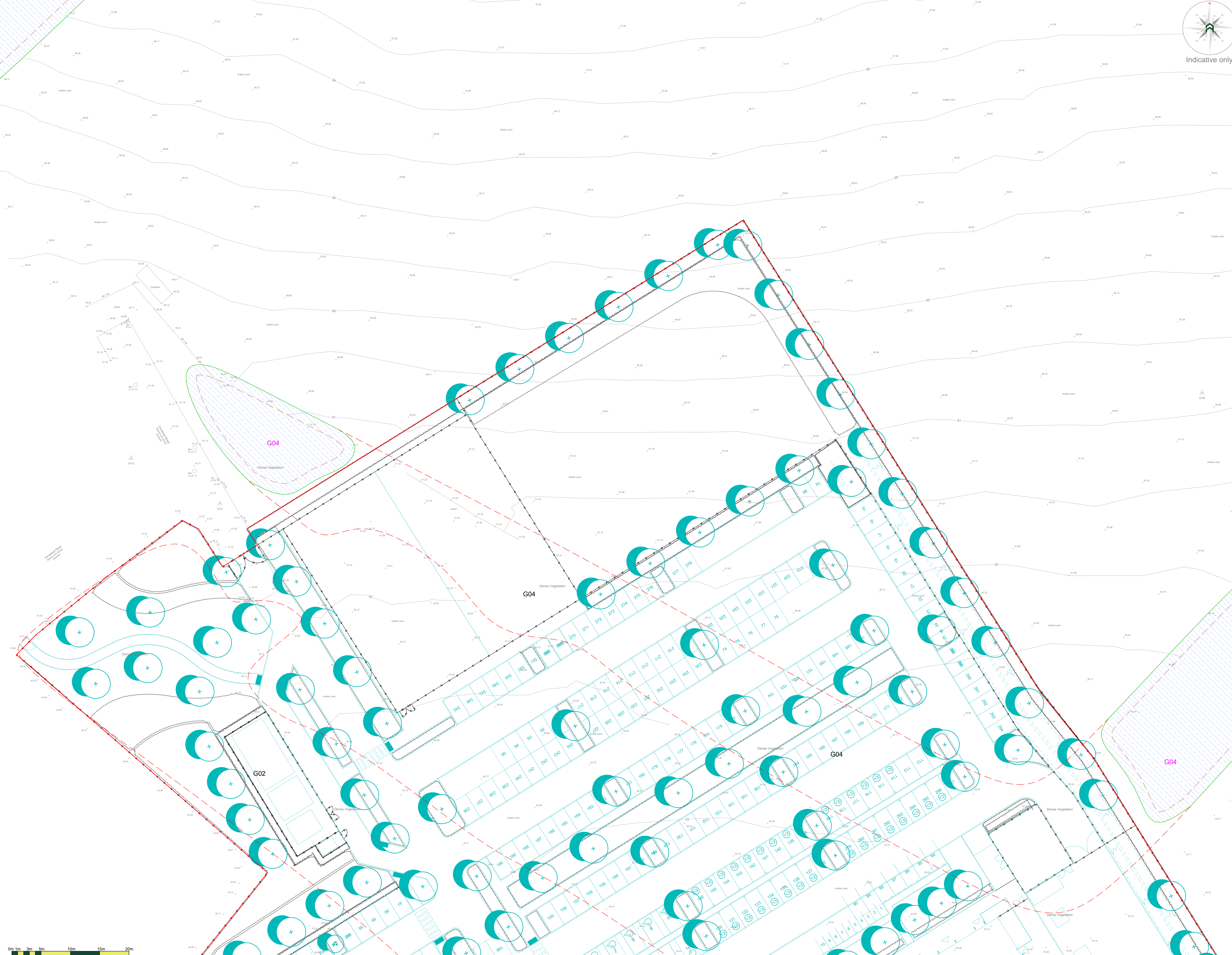
**Key:**

Tree No.:	T01	Tree Canopies:	Trunks:
RPA:	Category 'A' trees	Category 'B' trees	Category 'C' trees
Category 'B' groups:	Category 'C' trees	Category 'D' groups	Category 'E' groups
Existing Site (Foot):	Proposed Site:	Trees to be removed:	T07
Planting locations:			



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### Arboricultural Impacts

Impacts	No. of trees
Trees to be removed	31
Group 1 trees to be removed (Partial removal of groups)	128
Trees with proposed measures on RPA	0
Group 1 hedges with proposed measures on RPA	0
Trees that will require pruning	0
Group 1 hedges that will require pruning	0
Trees to be transplanted	0
Group 1 hedges to be transplanted	0

### Tree Work Schedule

No.	Species	Works	Category
T07	Common Ash	Fell to ground level, remove stump	U
T08	Field Maple	Fell to ground level, remove stump	C1
T09	Silver Birch	Fell to ground level, remove stump	C12
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T11	Silver Birch	Fell to ground level, remove stump	C12
T12	Silver Birch	Fell to ground level, remove stump	C12
T13	Silver Birch	Fell to ground level, remove stump	C12
T14	Field Maple	Fell to ground level, remove stump	C12
T15	Goat Willow	Fell to ground level, remove stump	C12
T16	Silver Birch	Fell to ground level, remove stump	C12
T17	Silver Birch	Fell to ground level, remove stump	C12
T18	Silver Birch	Fell to ground level, remove stump	C12
T19	Silver Birch	Fell to ground level, remove stump	C12
T20	Silver Birch	Fell to ground level, remove stump	C12
T21	Silver Birch	Fell to ground level, remove stump	C12
T22	Silver Birch	Fell to ground level, remove stump	C12
T23	Silver Birch	Fell to ground level, remove stump	C12
T24	Field Maple	Fell to ground level, remove stump	C12
T25	Silver Birch	Fell to ground level, remove stump	C12
T26	Silver Birch	Fell to ground level, remove stump	C12
T27	Silver Birch	Fell to ground level, remove stump	C12
T28	Silver Birch	Fell to ground level, remove stump	U
T29	Silver Birch	Fell to ground level, remove stump	C12
T30	Silver Birch	Fell to ground level, remove stump	C12
T31	Field Maple	Fell to ground level, remove stump	C12
T32	Silver Birch	Fell to ground level, remove stump	C12
T33	Silver Birch	Fell to ground level, remove stump	C12
T34	Silver Birch	Fell to ground level, remove stump	C12
T35	Silver Birch	Fell to ground level, remove stump	C12
T36	Silver Birch	Fell to ground level, remove stump	C12
T37	Silver Birch	Fell to ground level, remove stump	C12
G01	Various	Partial fell area as shown on the AIA plan.	B12
G02	Various	Partial fell area as shown on the AIA plan.	B12
G03	Various	Partial fell area as shown on the AIA plan.	B12
G04	Various	Partial fell area as shown on the AIA plan.	B12

All tree work is to be undertaken in accordance with British Standard BS 5822:2012 Tree work - Recommendations. All areas to be removed and the site is to be left as found. Care is to be taken of the ground around retained trees to make sure that it does not become compacted as a result of tree surgery operations. No equipment or vehicles such as lorries, tractors, excavators or cranes shall be parked or driven beneath the crowns of any retained trees, to prevent subsequent compaction and root death.

#### No. of individual trees to be removed

U	A	B	Total
2	9	2	13

#### No. of groups / hedges to be removed

U	A	B	Total
0 (0)	0 (0)	1 (0)	1 (0)

### Utility apparatus

**Underground utility apparatus**  
Mechanical trenching for the installation of underground apparatus and drainage sewers any roots present and can change the local hydrology in a way that adversely affects the health of the tree. For this reason, particular care should be taken in the root and methods of installation of all underground apparatus. Wherever possible, apparatus should be routed outside of RPA's. Where this is not possible, it is preferable to keep apparatus together in common ducts, all inspection chambers should be sited outside of the RPA's. Where underground apparatus is to pass within the RPA's, detailed plans showing the proposed route should be drawn up in conjunction with the project architect. In such cases trenchless insertion methods should be used with entry and retrieval pits being located outside of the RPA's. If the option is not feasible and providing roots can be retained and protected excavations should be undertaken using hand held tools (air-spade, fork, shovel) or a combination of trenchers and manual excavation (broken boards). Any design and installation should be undertaken in accordance with the National Utilities Guidelines (NUG).

**Above-ground utility apparatus**  
Above-ground apparatus including CCTV cameras and lighting) should be sited to avoid the need for detrimental tree pruning, as such the current and future crown size of the tree should be assessed. Tree branches can be pruned back with care to provide space, through it is not appropriate for specific and significant tree work to bear visual design solution unless this is a suitable management outcome for the tree. Any pruning should be undertaken in accordance with BS5822:2012

### Sheet Layout



Rev.	Date	Notes
A	05/04/24	Updated with latest layout



**Project:** Cardiff and Vale College, Advanced Technology Centre, Land off Port Road, Vale of Glamorgan, CF62 3BD

**Client:** WEPCo

**Drawing:** Arboricultural Impact Assessment

**Based on:** VG0101-LA-00-XX-DR-L-00002 Rev P08 Landscape General Arrangement

**Drawing No:** Arbtech AIA 01 (Sheet 1 of 3)

**Date:** Jan 2024 **Scale:** 1:200 @ A0 **Drawn:** EK

Key:	Tree	Trunk
T01	Tree	Trunk
Category 'A' trees	Category 'A' trees	Category 'A' trunks
Category 'B' trees	Category 'B' trees	Category 'B' trunks
Category 'C' trees	Category 'C' trees	Category 'C' trunks
Category 'D' trees	Category 'D' trees	Category 'D' trunks
Category 'E' trees	Category 'E' trees	Category 'E' trunks
Category 'F' trees	Category 'F' trees	Category 'F' trunks
Category 'G' trees	Category 'G' trees	Category 'G' trunks
Category 'H' trees	Category 'H' trees	Category 'H' trunks
Category 'I' trees	Category 'I' trees	Category 'I' trunks
Category 'J' trees	Category 'J' trees	Category 'J' trunks
Category 'K' trees	Category 'K' trees	Category 'K' trunks
Category 'L' trees	Category 'L' trees	Category 'L' trunks
Category 'M' trees	Category 'M' trees	Category 'M' trunks
Category 'N' trees	Category 'N' trees	Category 'N' trunks
Category 'O' trees	Category 'O' trees	Category 'O' trunks
Category 'P' trees	Category 'P' trees	Category 'P' trunks
Category 'Q' trees	Category 'Q' trees	Category 'Q' trunks
Category 'R' trees	Category 'R' trees	Category 'R' trunks
Category 'S' trees	Category 'S' trees	Category 'S' trunks
Category 'T' trees	Category 'T' trees	Category 'T' trunks
Category 'U' trees	Category 'U' trees	Category 'U' trunks
Category 'V' trees	Category 'V' trees	Category 'V' trunks
Category 'W' trees	Category 'W' trees	Category 'W' trunks
Category 'X' trees	Category 'X' trees	Category 'X' trunks
Category 'Y' trees	Category 'Y' trees	Category 'Y' trunks
Category 'Z' trees	Category 'Z' trees	Category 'Z' trunks

