BS5837 Report

PLAN ARCHITECTURE

south cave pavillion topo

	Retention Category	No. trees
А		5
В		36
С		7
U		4
	Total	52

No. trees
2
6
5
38
1

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Ref.	Species	Full Structure	Measurements	General Observations	Retention Category	RPA	Comments	Measurements2	Recommendations	Photo
G1 group	Not identified x22 (Not identified)	22 trees	Height (m): 13 22 stems, avg.(mm): 400 Spread (m): 3N, 3E, 3S, 3W Life Stage: Semi Mature Rem. Contrib.: 30+ Years	Fair overall Physiological and Structural condition. a Mix of Ash maple and Sycamore. Possiblty planted as lanscape buffer G1 is trhe first part of a line of semi mature trees planted along the north eastern boundary of the site. The trees have been planted very close together and may benefit from some thinning in the near future to avoid deaths caused by supression,		Area: 412 sq m, plus a 1m buffer.	RPA should not be altered as	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: No action required. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	No Photo
G2 group	Not identified (Not identified)	Group	Height (m): 15 Stem Diam (mm): 600 Spread (m): 3.5N, 3.5E, 3.5S, 3.5W Life Stage: Mature Rem. Contrib.: 30+ Years	Good Fair overall Physiological and Structural condition. G2 is slighly older than the trees in G1. A mix of Ash, Maple & Sycamore. Possible Ash dieback present. The trees have been planted very close together and may benefit from some thinning in the near future to avoid deaths caused by supression,	82	Area: 228 sq m, plus a 1m buffer.	RPA should not be altered as	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: Crown lift to 5.2 metres for vehicle access. Dead wood (minor less than 25mm). Dead wood (major greater than 25mm). Sever ivy at base on trees with excessive ivy present During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	No Photo
T001	Beech (Fagus sp.)		Height (m): 19 Stem Diam (mm): 1110 Spread (m): 8N, 8E, 8S, 8W Life Stage: Mature Rem. Contrib.: 30+ Years	Good overall Physiological and Structural condition.	A2	Radius: 13.3m. Area: 556 sq m.	This tree will not have to be removed to facilitate a proposed future development. This tree does not form a constraint to the redevelopment of the site.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Good Structural Cond: Good Bat Habitat: Unknown	Pre construction: No action required. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	

Ref.	Species	Full Structure	Measurements	General Observations	Retention Category	RPA	Comments	Measurements2	Recommendations	Photo
T002	Maple (Acer sp.)	Tree	Height (m): 11 Stem Diam (mm): 360 Spread (m): 6N, 2E, 3S, 5W Life Stage: Early Mature Rem. Contrib.: 20+ Years	Fair overall Physiological and Structural condition.	C2	Radius: 4.3m. Area: 58 sq m.	constraint to the redevelopment of the site	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: No action required. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	
T003	Maple (Acer sp.)	Tree	Spread (m) 2N 2E 1S 5W	Fair overall Physiological and Structural condition.	C	Radius: 2.6m. Area: 21 sq m.	constraint to the redevelopment of the site	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Low	Pre construction: No action required. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	
T004	Maple (Acer sp.)	Tree		Fair overall Physiological and Structural condition.	В2	Radius: 8.0m. Area: 201 sq m.	This tree will form the constraint to the northern side of the site. This tree will have to be removed to facilitate a proposed future development.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: Remove tree. During construction: Ground protection for pedestrian movement Ground protection for construction for construction traffic Post construction: No action required.	
T005	Sycamore (Acer pseudoplatanus)	Tree		Fair overall Physiological and Structural condition.	Β2	Radius: 9.2m. Area: 266 sq m.	This tree will form the constraint to the northern side of the site. This tree will have to be removed to facilitate a proposed future development.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: Remove tree. During construction: Protect trees with protective barriers - as shown on plans. Ground protection for pedestrian operated plant Ground protection for construction traffic Manual Excavation for foundation within RPA Post construction: No action required.	

Ref.	Species	Full Structure	Measurements	General Observations	Retention Category	RPA	Comments	Measurements2	Recommendations	Photo
T006	Lime (Tilia sp.)	Tree 4 stems	Height (m): 16 4 stems, diam(mm): 300, 300, 300, 300 Spread (m): 5N, 3E, 5S, 3W Life Stage: Mature Rem. Contrib.: 30+ Years	Fair overall Physiological and Structural condition.	82	Radius: 7.2m. Area: 163 sq m.	This tree will not have to be removed to facilitate a proposed future development. This tree does not form a constraint to the redevelopment of the site. The surfacing and levels in the RPA should not be altered as long as the tree is being retained.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: No action required. During construction: Protect trees with protective barriers - as shown on plans. Ground protection for pedestrian movement Ground protection for construction for construction traffic Post construction: No action required.	
T007	Maple (Acer sp.)	Tree 2 stems	Height (m): 15 2 stems, diam(mm): 450, 640 Spread (m): 7N, 7E, 7S, 7W Life Stage: Mature Rem. Contrib.: 30+ Years	Fair overall Physiological and Structural condition.	В	Radius: 9.4m. Area: 278 sq m.	This tree will not have to be removed to facilitate a proposed future development. This tree does not form a constraint to the redevelopment of the site. The surfacing and levels in the RPA should not be altered as long as the tree is being retained.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: Crown lift to 5.2 metres for vehicle access. During construction: Protect trees with protective barriers - as shown on plans. Ground protection for pedestrian movement Ground protection for pedestrian operated plant Ground protection for construction traffic Manual Excavation for Post construction: No action required.	
T008	Sycamore (Acer pseudoplatanus)	Tree	Height (m): 11 Stem Diam (mm): 410 Spread (m): 6N, 1E, 5S, 5W Life Stage: Mature Rem. Contrib.: 10+ Years	Poor overall Physiological and Structural condition.	C2	Radius: 4.9m. Area: 75 sq m.	This tree will not have to be removed to facilitate a proposed future development. This tree does not form a constraint to the redevelopment of the site. The surfacing and levels in the RPA should not be altered as long as the tree is being retained.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Poor Structural Cond: Poor Bat Habitat: None	Pre construction: No action required. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	
T011	Sycamore (Acer pseudoplatanus)	Tree	Height (m): 15 Stem Diam (mm): 380 Spread (m): 7N, 7E, 7S, 7W Life Stage: Mature Rem. Contrib.: 30+ Years	Fair overall Physiological and Structural condition.	82	Radius: 4.6m. Area: 66 sq m.	This tree will not have to be removed to facilitate a proposed future development. This tree does not form a constraint to the redevelopment of the site. The surfacing and levels in the RPA should not be altered as long as the tree is being retained.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: Crown lift to 5.2 metres for vehicle access. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	

Ref.	Species	Full Structure	Measurements	General Observations	Retention Category	RPA	Comments	Measurements2	Recommendations	Photo
T012	Sycamore (Acer pseudoplatanus)	Tree 2 stems	Height (m): 14 2 stems, diam(mm): 200, 550 Spread (m): 6N, 6E, 6S, 6W Life Stage: Mature Rem. Contrib.: 30+ Years	Fair overall Physiological and Structural condition.	B2	Radius: 7.0m. Area: 154 sq m.	This tree will not have to be removed to facilitate a proposed future development. The surfacing and levels in the RPA should not be altered as long as the tree is being retained. [customise this list on website BSS837 page]	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: Crown lift to 5.2 metres for vehicle access. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	
T013	Sycamore (Acer pseudoplatanus)	Tree	Height (m): 12 Stem Diam (mm): 320 Spread (m): 4N, 4E, 4S, 4W Life Stage: Mature Rem. Contrib.: 30+ Years	Fair overall Physiological and Structural condition.	B2	Radius: 3.8m. Area: 45 sq m.	This tree will not have to be removed to facilitate a proposed future development. This tree does not form a constraint to the redevelopment of the site. The surfacing and levels in the RPA should not be altered as long as the tree is being retained.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: Crown lift to 5.2 metres for vehicle access. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	
T014	Sycamore (Acer pseudoplatanus)	Tree	Height (m): 12 Stem Diam (mm): 350 Spread (m): 3N, 3E, 3S, 3W Life Stage: Early Mature Rem. Contrib.: 30+ Years	Fair overall Physiological and Structural condition.	B2	Radius: 4.2m. Area: 55 sq m.	This tree will not have to be removed to facilitate a proposed future development. This tree does not form a constraint to the redevelopment of the site. The surfacing and levels in the RPA should not be altered as long as the tree is being retained.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: Crown lift to 5.2 metres for vehicle access. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	
T015	Lime (Tilia sp.)	Tree	Height (m): 13 Stem Diam (mm): 610 Spread (m): 5N, 5E, 5S, 5W Life Stage: Mature Rem. Contrib.: 30+ Years	Fair overall Physiological and Structural condition.	B2	Radius: 7.3m. Area: 167 sq m.	This tree will not have to be removed to facilitate a proposed future development. The surfacing and levels in the RPA should not be altered as long as the tree is being retained. This tree does not form a constraint to the redevelopment of the site.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: Crown lift to 5.2 metres for vehicle access. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	
T016	Sycamore (Acer pseudoplatanus)	Tree	Height (m): 15 Stem Diam (mm): 710 Spread (m): 8N, 8E, 8S, 8W Life Stage: Mature Rem. Contrib.: 10+ Years	Damage on main stem. Fair/Poor overall Physiological and Structural condition.	C2	Radius: 8.5m. Area: 227 sq m.	This tree does not form a constraint to the redevelopment of the site. The surfacing and levels in the RPA should not be altered as long as the tree is being retained.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: Crown lift to 5.2 metres for vehicle access. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	

Ref.	Species	Full Structure	Measurements	General Observations	Retention Category	RPA	Comments	Measurements2	Recommendations	Photo
T017	Sycamore (Acer pseudoplatanus)	Tree	Height (m): 15 Stem Diam (mm): 560 Spread (m): 8N, 8E, 8S, 8W Life Stage: Mature Rem. Contrib.: 30+ Years	Fair overall Physiological and Structural condition.	B2		This tree will not have to be removed to facilitate a proposed future development. This tree does not form a constraint to the redevelopment of the site. The surfacing and levels in the RPA should not be altered as long as the tree is being retained.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: Crown lift to 5.2 metres for vehicle access. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	
T018	Sycamore (Acer pseudoplatanus)		Height (m): 13 Stem Diam (mm): 40 Spread (m): 3N, 3E, 3S, 3W Life Stage: Semi Mature Rem. Contrib.: <10 years	Self sown Poor overall Physiological and Structural condition. Gowing adjacent to concrete fence post.	U	Retention	This tree does merit retention due to poor condition and growing environment.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Poor Structural Cond: Poor Bat Habitat: None	Pre construction: Remove tree. During construction: No action required. Post construction: No action required.	
T019	Beech (Fagus sp.)	Tree	Height (m): 15 Stem Diam (mm): 1000 Spread (m): 9N, 9E, 9S, 9W Life Stage: Mature Rem. Contrib.: 30+ Years	Fair overall Physiological and Structural condition.	A2		This tree will not have to be removed to facilitate a proposed future development. This tree does not form a constraint to the redevelopment of the site. The surfacing and levels in the RPA should not be altered as long as the tree is being retained.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: Crown lift to 5.2 metres for vehicle access. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	
то20	Sycamore (Acer pseudoplatanus)	Tree	Height (m): 16 Stem Diam (mm): 790 Spread (m): 8N, 8E, 8S, 8W Life Stage: Mature Rem. Contrib.: 30+ Years	Fair Physiological and Structural condition.	A2	Radius: 9.5m. Area: 284 sq m.	This tree will not have to be removed to facilitate a proposed future development. This tree does not form a constraint to the redevelopment of the site. The surfacing and levels in the RPA should not be altered as long as the tree is being retained.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: No action required. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	
T021	Not identified (Not identified)		Height (m): 12 Stem Diam (mm): 380 Spread (m): 3N, 6E, 5S, 3W Life Stage: Mature Rem. Contrib.: 10+ Years	Fair overall Physiological and Structural condition.	C2	Radius: 4.6m. Area: 66 sq m.	This tree will not have to be removed to facilitate a proposed future development. This tree does not form a constraint to the redevelopment of the site. The surfacing and levels in the RPA should not be altered as long as the tree is being retained.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: No action required. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	
T022	Ash (Fraxinus sp.)	Tree	Height (m): 16 Stem Diam (mm): 400 Spread (m): 4N, 4E, 4S, 4W Life Stage: Mature Rem. Contrib.: 20+ Years	Fair overall Physiological and Structural condition.	B2	Radius: 4.8m. Area: 72 sq m.	This tree will not have to be removed to facilitate a proposed future development. The surfacing and levels in the RPA should not be altered as long as the tree is being retained. This tree does not form a constraint to the redevelopment of the site.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: No action required. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	

Ref.	Species	Full Structure	Measurements	General Observations	Retention Category	RPA	Comments	Measurements2	Recommendations	Photo
T023	Common Ash (Fraxinus excelsior)	Tree	Height (m): 18 Stem Diam (mm): 280 Spread (m): 4N, 4E, 4S, 4W Life Stage: Early Mature Rem. Contrib.: 10+ Years	Poor overall Physiological and Structural condition. Suppressed	C2	Radius: 3.4m. Area: 36 sq m.	This tree will not have to be removed to facilitate a proposed future development. This tree does not form a constraint to the redevelopment of the site. The surfacing and levels in the RPA should not be altered as long as the tree is being retained.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Poor Structural Cond: Poor Bat Habitat: Unknown	Pre construction: No action required. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	
T024	Oak (Quercus sp.)	Tree	Height (m): 16 Stem Diam (mm): 260 Spread (m): 3N, 3E, 3S, 3W Life Stage: Semi Mature Rem. Contrib.: 10+ Years	Poor overall Physiological and Structural condition.	U	Retention	This tree does not merit retention due to its poor overall condition.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Poor Structural Cond: Poor Bat Habitat: Unknown	Pre construction: Remove tree. During construction: No action required. Post construction: No action required.	
T025	Hawthorn (Crataegus sp.)	Tree	Height (m): 8 Stem Diam (mm): 280 Spread (m): 2N, 2E, 2S, 2W Life Stage: Over Mature Rem. Contrib.: <10 years	Poor overall Physiological and Structural condition.	U	None - due to Retention Category of U.	This tree does merit retention due to poor overall condition.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Poor Structural Cond: Poor Bat Habitat: None	Pre construction: No action required. Remove tree. During construction: No action required. Post construction: No action required.	A A A A A A A A A A A A A A A A A A A
T026	Holm Oak (Quercus ilex)	Tree	Height (m): 8 Stem Diam (mm): 300 Spread (m): 5N, 1E, 0.5S, 3W Life Stage: Mature Rem. Contrib.: 10+ Years	Fair overall Physiological and Structural condition but suppressed.	С	Radius: 3.6m. Area: 41 sq m.	This tree will not have to be removed to facilitate a proposed future development. This tree does not form a constraint to the redevelopment of the site. The surfacing and levels in the RPA should not be altered as long as the tree is being retained.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Poor Bat Habitat: Unknown	Pre construction: No action required. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	
T027	Beech (Fagus sp.)	Tree	Height (m): 19 Stem Diam (mm): 1000 Spread (m): 10N, 10E, 10S, 10W Life Stage: Mature Rem. Contrib.: 20+ Years	Fair overall Physiological and Structural condition.	A2	Radius: 12.0m. Area: 452 sq m.	This tree will not have to be removed to facilitate a proposed future development. This tree does not form a constraint to the redevelopment of the site. The surfacing and levels in the RPA should not be altered as long as the tree is being retained.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: No action required. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	
T028	Sycamore (Acer pseudoplatanus)	Tree	Height (m): 20 Stem Diam (mm): 610 Spread (m): 6N, 6E, 6S, 6W Life Stage: Mature Rem. Contrib.: 20+ Years	THREATS - Planter based around base of tree detrimental to tree health Fair/Poor overall Physiological and Structural condition.	82	Radius: 7.3m. Area: 167 sq m.	This tree will not have to be removed to facilitate a proposed future development. This tree does not form a constraint to the redevelopment of the site. The surfacing and levels in the RPA should not be altered as long as the tree is being retained.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Poor Bat Habitat: High	Pre construction: Remove planter and restore soil to orginal level During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	

Ref.	Species	Full Structure	Measurements	General Observations	Retention Category	RPA	Comments	Measurements2	Recommendations	Photo
T029	Sycamore (Acer pseudoplatanus)	Tree	Height (m): 20 Stem Diam (mm): 800 Spread (m): 4N, 3E, 7S, 3W Life Stage: Mature Rem. Contrib.: 20+ Years	THREATS - Planter around bas of main stem detrimental to tree health. Fair/Poor overall Physiological and Structural condition.	82		This tree will not have to be removed to facilitate a proposed future development. This tree does not form a constraint to the redevelopment of the site. The surfacing and levels in the RPA should not be altered as long as the tree is being retained.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Poor Bat Habitat: High	Pre construction: Remove planter and restore soil to orginal level. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	
тозо	Beech (Fagus sp.)	Tree	Height (m): 22 Stem Diam (mm): 1010 Spread (m): 7N, 7E, 7S, 7W Life Stage: Mature Rem. Contrib.: 30+ Years	Fair overall Physiological and Structural condition.	A2		This tree will not have to be removed to facilitate a proposed future development. This tree does not form a constraint to the redevelopment of the site. The surfacing and levels in the RPA should not be altered as long as the tree is being retained.	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Unknown	Pre construction: No action required. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.	
T031	Maple (Acer sp.)	Tree	Height (m): 10 Stem Diam (mm): 300 Spread (m): 2N, 2E, 3S, 2W		U	None - due to Retention Category of U.	This tree will have to he	Other Reference: Distance1: Distance2: Custom Number 3: Physiological Cond: Fair Structural Cond: Fair Bat Habitat: Low	Pre construction: Remove tree. During construction: No action required. Post construction: No action required.	