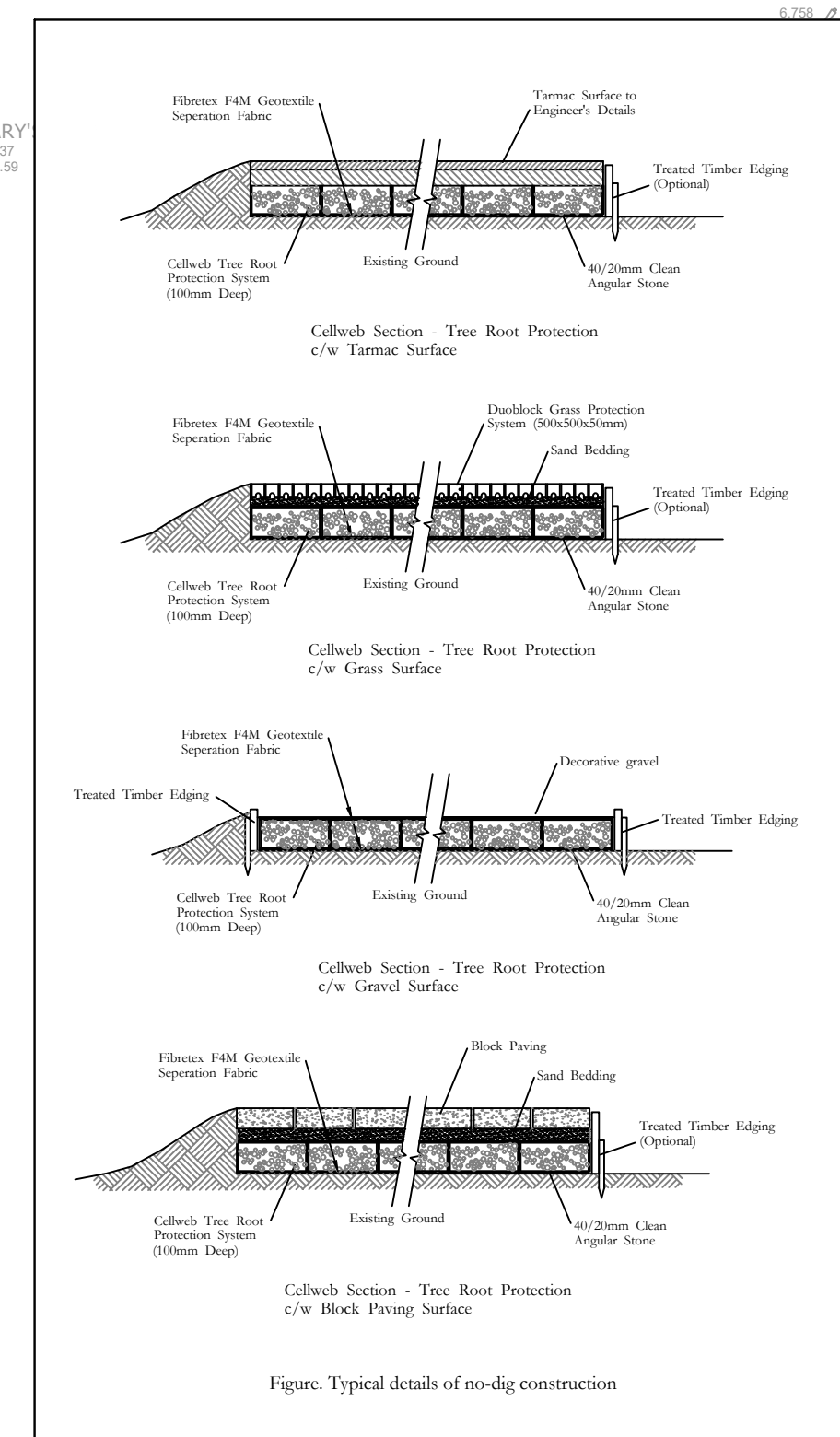


SURVEY OF TREES AT HAYLING BILLY PUB, 117 ELM GROVE, HAYLING ISLAND																					
Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)						Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS 3998	Root protection radius (m)	Root protection area sqm	
			N	E	S	W	Single Stem	2-5 stems													More than 5 stems
								Stem 1	Stem 2	Stem 3	Stem 4	Stem 5									
1	English Oak	15	5	6	4	6	43							5	SSW	E	A1	>40	Established tree growing in corner by buildings. Several low branches have been removed in recent years.	5.16	84
2	Lime	15	6	4	6	7	58							3	3E	E	A1	>40	Broad spreading visually significant tree. Previously pollarded at circa 3.5m above ground level and subsequently re-grown. Some lower branches have been removed in recent years.	6.96	152
3	Lime	15	7	7	6	3	56							6	6E	E	A1	>40	Visually significant tree. Appears to have been pollarded at circa 3.5m above ground level and subsequently re-grown. Several low branches have been removed in recent years.	6.72	142
4	Lime	10	5	6	5	4		19	44					2	2NW	S	B2	>20	Prominent tree growing in line of others of similar size. Provides screening between site and car park.	5.75	104
5	Row of Hawthorn	7av		3av			12a	v						2	2S	S	C2	>10	Row of small trees having probably been planted as a hedge and since overgrown.	1.44	7
6	Lime	12	6	5	6	6	42							2	2SW	S	B2	>20	Prominent tree growing in line of others of similar size. Provides screening between site and car park.	5.04	80
7	Lime	12	6	6	7	6	42							3	3S	S	B2	>20	Prominent tree growing in line of others of similar size. Provides screening between site and car park.	5.04	80
8	Lime	10	6	6	7	6	44							2	2NW	S	B2	>20	Prominent tree growing in line of others of similar size. Provides screening between site and car park.	5.28	88
9	Lime	11	6	4	4	5	37							2	2SW	S	B2	>20	Prominent tree growing in line of others of similar size. Provides screening between site and car park.	4.44	62
10	Lime	11	5	5	5	4	31							2	2NE	S	B2	>20	Prominent tree growing in line of others of similar size. Provides screening between site and car park. Ivy clad crown from circa 1.5m above ground level.	3.72	43
11	Lime	10	4	2	5	5	34							2	2S	S	B2	>20	Prominent tree growing in line of others of similar size. Provides screening between site and car park.	4.08	52
12	Pair of Cherry	9av		5av			35a	v						2	2N	S	C2	>10	Pair of close growing stems in verge of adjoining car park. Some black exudation associated with bacterial canker.	4.20	55
13	Maritime Pine	13	4	7	9	5	69							3	6S	E	A1	>40	Visually significant tree growing in grass verge joining St Mary's road. Remnants of dead ivy on upper main stem. Some ivy re-growth on lower stem.	8.28	215

Key to Schedule of Trees	
Column Heading	Explanation
Tree No.	Unique number corresponding with number on plan
Species	English names
Ht (m)	Height in metres
Branch Spread	Crown radius in metres to cardinal points of the compass
Stem Dia	All measurements conform to Annex C of BS 5837:2012
	Single stem - Stem diameter in centimetres measured at 1.5m above ground level.
	Multi-stemmed tree with 2 to 5 stems - Diameter of each stem
	Multi-stemmed tree with more than 5 stems - Average stem diameter and number of stems
Height of crown clearance	Height in metres between the ground and underside of canopy
Branch and direction of growth	Height from ground level to base of first major branch and the approximate direction of growth.
Abbreviations as suffix to a dimension	Suffix 'd' denotes an estimated dimension
Age Class	Suffix 'av' denotes an average dimension
	Y = Young
	S = Semi-mature
	E = Early mature
	M = Mature
	O = Over mature
Category grading and Estimated remaining Contribution (yrs)	Summary of BS 5837:2012 categorisation:
	1. Trees unsuitable for retention:
	U = those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years
	2. Trees to be considered for retention:
	A1, 2 or 3 = trees of high quality (substantial contribution >40 yrs)
	B1, 2 or 3 = trees of moderate quality (significant contribution >20 yrs)
	C1, 2 or 3 = trees of low quality (but adequate, ie >10 yrs or young trees - until new planting can be established).
	Useful estimated remaining contribution of the tree or tree group
Estimated remaining contribution	Brief description including physiological and structural defects
Condition	Works required to be undertaken to the trees to facilitate the construction of remediate a defect encountered during the survey
Tree Works	Radius of minimum root protection area in metres calculated from section 4.6 and Annex D
Root Protection Radius	Total area of minimum root protection area extrapolated from root protection radius
Root Protection Area	

Any roots encountered whilst creating this cut back to be cut cleanly in a single plane

Hand excavation for new foundation where within root protection area



Note:
The original of this drawing was produced in colour - a monochrome copy should not be relied upon.

Topographical Survey based on The Meon Survey Partnership LTD drawing number M1565.

Proposed layout based on New Leaf Studio drawing number SO-2267-05-LA-MCS551/Dr03 Rev E.



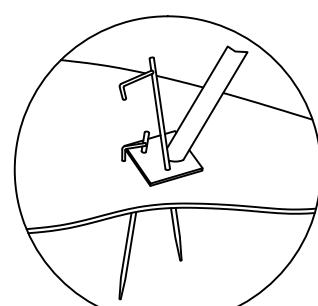
115 ST. MARY'S ROAD
Ridge 12.21

Refer to New Leaf drawing Cross sections through proposed surfaces beneath trees and within root protection areas drawing number SO-2267-05-LA-MCS551/Dr02 Rev C

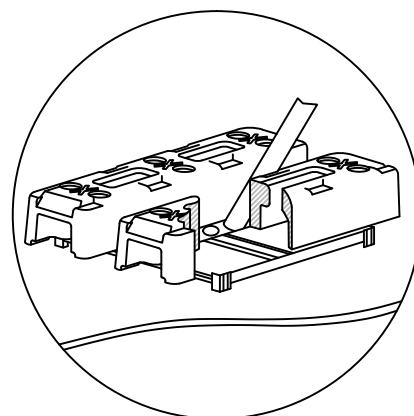
Piling for foundation to be supervised by arboriculturist

Hand excavation for new foundation where within root protection area

Figure 3 Example of a protective barrier including above-ground stabilizing systems



a) Stabilizer strut with base plate secured with ground pins



b) Stabilizer strut mounted on block tray

Reproduced from BS 5837:2012 Trees in relation to design, demolition and construction - Recommendations

Key:

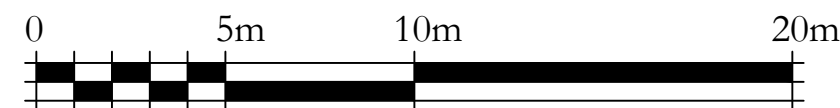
- Existing site features
- Proposed structures
- Trees retained
- Root Protection Area (RPA)
- 2.0m high barrier as detail in Fig 3
- Minimum extent of no-dig construction. Actual deployment may be greater.
- New service corridor remote from root protection area

Rev D 30.04.18 jtk
Changes to accord with New Leaf landscape drawing.

Rev C 26.09.16 jtk
New layout, service corridor and further protection measures added.

Rev B 24.05.16 jtk
Updated layout imported.

Rev A 18.05.16 jtk
Updated to reflect changes to landscape layout.



CLIENT:	McCarthy & Stone
PROJECT:	Hayling Billy Pub, 117 Elm Grove, Hayling Island
TITLE:	Tree Protection Plan
DRAWING NUMBER:	9030/02 Rev D
STATUS:	For Information
DATE:	May 2016
SCALE:	1:200 @ A1
DRAWN BY:	ML
CHECKED BY:	JTK
Do not scale from this drawing. All dimensions to be checked on site.	
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