ROOT PROTECTION AREA (RPA) CALCULATOR

			9					
Single stem trees				Site:	Kennedy's Plot			•
Diameter at 1.5m above ground level 2300 millimetres	RPA 2393.4 m² See Note			Reference:	Tree 3			
	equates to circle with radius of equates to square with approx 20% Offset	27.6 m 48.9 m sides 5.5 m		Date: Enter field mensuration All results to be read wit BS5837:2005 Trees in	th reference to the reco	mmendations set out in	Anna Craigen n the riations made accordingly.	
Multi stem trees Basal diameter above root flare or millimetres NOTE: Calculated RPA should be cappe with a radius of 15m or a square with 26 Tree Number: T3 Species: Quercus petraea Notes: Large mature sessile	im sides	0.0 m 0.0 m sides 0.0 m		Stem 2	meter at 1.5m above grand millimetres	0 RPA 0 equates t	basal area in mm² 10 m² See Note to a circle with radius of with a square with approx 20% Offset	0.0 m 0.0 m sides 0.0 m

ROOT PROTECTION AREA (RPA) CALCULATOR

Single stem trees			Site: Kennedy's Plot	
Diameter at 1.5m above ground level 2750 millimetres	PA 3421.6 m² See Note		Reference: Tree 2	
	uates to circle with radius of uates to square with approx 20% Offset	33.0 m 58.5 m sides 6.6 m	Date: 11/30/18 Surveyor: Anna Craigen ► Enter field mensuration data into red boxes to commence calculation. ► All results to be read with reference to the recommendations set out in the BS5837:2005 Trees in Relation to Construction and corrections/variations made accordingly.	
	0.0 m² See Note puates to circle with radius of puates to square with approx 20% Offset 707m² which is equivalent to a des	0.0 m sides 0.0 m	Multi stem trees using the Helliwell Method Measure each stem diameter at 1.5m above ground level to calculate basal area in mm² Stem 1	0.0 m 0.0 m sides 0.0 m

ROOT PROTECTION AREA (RPA) CALCULATOR

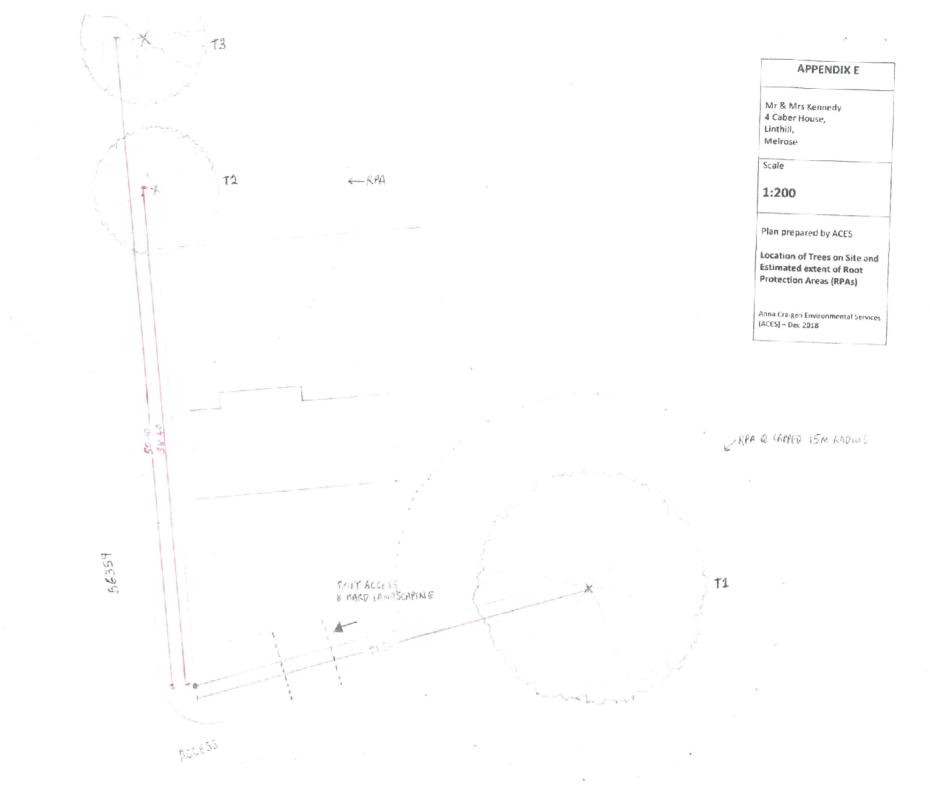
			Site:				
Single stem trees			Site.	Kennedy's Plot			
Diameter at 1.5m above ground level	RPA		Reference:				
3850 millimetres	6706.4 m² See Note		Neierence.	Tree 1			
	equates to circle with radius of	46.2 m	Date:	11/30/18	Surveyor:	Anna Craigen	
	equales to square with approx	81.9 m sides	b Enterfield money	Man data into and burners			
	equales to square with approx	or.sin sides	All results to be real	ation data into red boxes to co	ommence calculation. nmendations set out ir	n the	
	20% Offset	9.2 m	BS5837:2005 Tree	s in Relation to Constructi	on and corrections/va	riations made accordingly.	
Multi stem trees			Multi stem trees u	sing the Helliwell Method			
Basal diameter above root flare millimetres	0.0 m ² See Note			n diameter at 1.5m above gro		basal area in mm²	
minieues	0.0 m See Note		Stem 1	0 millimetres	0 RPA	m² See Note	
	equates to circle with radius of	0.0 m	Stem 2	Ō	0		
	equates to square with approx	0.0 m sides	Stem 3	0	0	to a circle with radius of	0.0 m
	20% Offset	0.0 m	Stem 4	0	equates 0	with a square with approx	0.0 m sides
NOTE: Calculated RPA should be cappe	ed to 707m² urbish is southed out to	a simila	Stem 5	0	0	20% Offset	0.0 m
with a radius of 15m or a square with 26	im sides	a circle	Stem 6	0	0		
			Stem 7	0	0		
➤ Tree Number: T1	7		Stem 8	0	0		
► Species: Acer pseudoplatanus			Stem 9	0	0		
	n good shape and form - to be retain	ed	Stem 10	0	0		
	- good onapo and form - to be retain		Total	Basal Area (mm²):	0.0		
			Total Bas	al Diameter (mm):	0.0		
	٧						

TREE NO:	SPECIES	APPROX. HEIGHT	TRUNK DIAMETER	BRANCH SPREAD (m) Approx		AGE CLASS	GENERAL OBSERVATIONS & RECOMMENDATIONS	FUTURE LIFE EXPECTANCY		
		(m)	(m)	N	E	S	W			
1	Sycamore (Acer pseudoplatanus)	28	3.85					mature	Good shape and form, fantastic epiphytic growth – lichens etc. To be retained. NB: Design of driveway to be amended to avoid root compaction.	>50 years
2	Sessile Oak (Quercus petraea)	24	2.75		9.65	5		mature	Some standing deadwood within canopy, but otherwise appears to be in good health. Would benefit long term (stability & safety etc.) from some crown reshaping, i.e. removal of large horizontal side branching.	>50 years
3	Sessile Oak (Quercus petraea)	20	2.30		5	5		mature	In good health – some standing deadwood in canopy	>50 years

Kennedy's Plot, Linthill Estate, Nr. Lilliesleaf

NOTES: Anna Craigen

Site Visit – simple measuring equipment and visual inspection on 30/11/18



SUSTAINABLE DESIGN & LOW ENERGY BUILDING SPECIALISTS

DESIGN STATEMENT

Project Caber House, Proposed Low Energy Dwelling, Melrose, Scottish Borders Client: Mr & Mrs Kennedy
Reference number: 1427
Date: 16 July 2018