

MANEA PARISH COUNCIL

ARBORICULTURAL CONDITION AND HAZARD ASSESSMENTS

Carried out 20 August 2021

**Prepared by Cliff Freed ~ Tech Cert (Arbor.A)
Global Tree Solutions Ltd**

Ref. kmf GTS MANEA PC 2021 TREE SURVEY 1.9.21

ARBORICULTURAL ASSESSMENT



**Global Tree Solutions Ltd
Witch Elm Lodge
New Road
Manea
PE15 0JX
01354 699768**

1 Instructions

We were instructed by Alan Melton (clerk) on the 20th July 2021 to carry out a condition and hazard assessment of Parish Council owned trees **at the following sites:~**

Site 1 ~ Cemetery ~ tree nos. T1 to T43

Site 2 ~ SM Guy Memorial Playing Field ~ tree nos. T44 to T98

Site 3 ~ Lake ~ tree nos. T201 to 218

Site 4 ~ Village Green ~ tree nos. T219 to T221

Site 5 ~ Village Hall ~ tree no. 223

2 Report limitations

- Trees are living organisms whose health and condition can change rapidly. Assessment of their health, condition and subsequent safety should be checked on a regular basis, so whilst the next full inspection should be scheduled for 2024, an annual assessment is recommended. This can take the form of a 'walk round' inspection with only those trees requiring attention being noted;
- Our recommendations are valid for the periods denoted under the priority column; however, these only remain valid if there are no changes in conditions, for example construction or alteration of buildings in proximity, change in water levels, change in immediate surface or surround;
- There is no guarantee for 100% safety of any tree, even following management work, due to the laws, forces and phenomenon of nature. Our recommendations will limit the possibility of whole or part failure in normal climatic conditions. However, severe weather extremes cannot be predicted and work specified to eliminate all eventualities would be impossible. Therefore, trees should be re inspected after high winds or other weather extremities;
- There have been no checks made with the Local Authority to determine if there are any Tree Preservation Orders in place or if the sites are within conservation areas. We recommend this is established before any works take place.

**MANEA PARISH COUNCIL
TREE SURVEY ~ AUGUST 2021**

3 Method of assessment

- All the trees have been inspected from ground level with a visual assessment and where defects in the upper canopies or beyond eye level or concealed areas are suspected, aerial inspections or removal / severance of creeper / ivy have been recommended. Recommendations are based on Mr Freed's experience and qualification as an arboriculturist over 36 years;

4 Data specifics / classification

- Trees species have been recorded in the common name for ease of interpretation;
- Each tree has been denoted with a numbered disc and recorded both in the tree survey schedule and positioned on the survey plans. In some instances it has been more appropriate to group collections of trees, which have been indicated as such in the survey;
- Approximate definitions for the age classes in a normal life span are:~
 - ~ **Young** (Y) ~ trees in first 1/3 of life expectancy;
 - ~ **Semi-mature** (SM) ~ trees in 2/3 of life expectancy;
 - ~ **Mature** (M) ~ trees of 2/3 and over life expectancy;
- General definitions of condition categories are:~

Good (G) ~ minor defects, if any, of small or no significance

Fair (F) ~ some defects or health issues, but not of significant contribution to overall health and safety of tree, but may warrant monitoring on more regular basis than standard recommendation for assessment

Poor (P) ~ defects or health issues which severely compromise health and safety of the tree

No work at present ~ whilst a defect or area of concern has been noted, it is not significant enough at this stage to require remedial action. This comment therefore is to draw specific attention to the area of concern, in addition to the overall assessment, at the next survey point.

**MANEA PARISH COUNCIL
TREE SURVEY ~ AUGUST 2021**

4 Data specifics / classification (continued)

- **DN** ~ Diary Note, where a tree requires an earlier inspection than the next full survey date, this has been detailed and recorded under the Priority Column as DN, with monitoring time.
- The priority code given to each denotes the time span in which the work should be carried out, based on both the severity of the defect and target risk in the event of failure according to where the tree is located, ie whether high, medium or low usage area.

5 Site specifics

Ivy ~ whilst ivy itself is not physically detrimental to the tree's structure, it can create sparse natural foliage, added weight and create significant wind resistance if allowed to encroach fully into the crown of the tree. As importantly, it can also conceal defects. We have therefore recommended the severing or removal of ivy in certain instances to either prevent full encroachment or allow a more accurate assessment.

Bleeding Canker ~ '*Pseudomonas syringae* pv. *Aesculi*' this infection is particularly virulent with our Horse Chestnut stock and many trees have been lost over the last decade. This pathogen produces bleeding lesions with exudation on the main trunks and branches, causing eventual death of the bark and cambium beneath. At the point where these lesions coalesce and extend, they can girdle entire stems leading to foliage discoloration, premature leaf and branch drop and eventual demise of the whole tree through the disruption of the water and nutrient transportation systems. Unfortunately, there is no guaranteed control measure only risk management and good hygiene when having to carry out remedial pruning; however, pruning infected trees is not advisable if possible. Hence, more of a monitoring regime to chart the extent of decline. Ultimately, the tree will die and have to be removed.

Costing of category C's ~ the costs applied to these items are more of a price guide and would need to be reviewed at the time of tendering, given the time lapse from the date of the original survey.

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TREE SURVEY ~ AUGUST 2021**

6 General

All work should be carried out to the standards recommended by BSI 3998:2010 Recommendations for Tree Work by skilled arborists with a minimum of £5,000,000 public liability insurance cover. Timing of works should take account of the Wildlife & Countryside Act and the Bat Protection Act to avoid disturbance of nesting birds and bat habitat, unless deemed of an urgent nature. In the cases of possible bat habitat, advice should be sought from an ecologist, although Mr Freed did not observe any obvious indicators of bats during his inspection.

Professional liability cover effected for £1,000,000 indemnity.

Cliff Freed
Global Tree Solutions Ltd

1 September 2021

MANEA PARISH COUNCIL ~ TREE SURVEY AUGUST 2021
NEXT SURVEY ~ JULY 2024
AGE/CLASS (Age): M – Mature

SM – Semi mature
Y – Young
CONDITION (Cond): G – Good

F – Fair
P – Poor
DN ~ Diary Note
PRIORITY: A – within 6 months

B – within 12 to 18 months
C – within 2 to 3 years

Tree i.d.	Species	Age Height	Cond	Findings	Recommendations	Priority	Cost	Work undertaken
SITE 1 ~ THE CEMETERY, starting to right of first main entrance:								
PLEASE NOTE THAT WORK TO TREES WITHIN T1 AND T20 WILL REQUIRE EITHER ELECTRIC SHUTDOWN OR SUPERVISION BY UK POWER NETWORKS DUE TO PROXIMITY OF OVERHEAD POWER LINES TO THESE TREES								
T1	PINE	M 16ms	F	Minor deadwood, no other significant defects	No work required			
T2	THUJA	M 5ms	P	Tree in decline	Remove	B		
T3	PINE	M 10ms	F	Suppressed by T5. Minor deadwood, no other defects	No work required at present			
T4	CYPRESS	SM 4ms	F	No significant defects	No work required			
T5	ASH	M 16ms	P	Tree has Inonotus with die back and sparse crown; branches touching BT line. Tree can be preserved by reducing but regrowth will also be infected and will need to be managed, extent of which would be advised upon at 2024 survey	<u>Option 1</u> ~ pollard at main fork; <u>Option 2</u> ~ fell and plant replacement tree of different species	B		
T6	CRAB APPLE	M 3ms	F	Suppressed by adjacent trees, no other significant defects	No work required			
T7	PINE	M 16ms	G	No significant defects	No work required			
T8	PINE	M 16ms	G	No significant defects	No work required			
T9	ASH	M 14ms	F / P	Twin stemmed from 1m with low crown over path and road	Remove secondary stem over path and road to ensure pedestrian and vehicular clearance	B		
T10	HOLLY	M 3ms	G	No significant defects	No work required			

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Tree i.d.	Species	Age Height	Cond	Findings	Recommendations	Priority	Cost	Work undertaken
T11	CRAB APPLE	M 3ms	G	No significant defects	No work required			
T12	THUJA	M 8ms	F	Ivy covered. Low crown over drive	Sever ivy and raise crown to 3ms over drive	B		
T13	CYPRESS	M 4ms	F	Twin stemmed from base with no significant defects	No work required			
T14	7 CHERRIES	M 3ms	F	Row of 7 fastigate Cherry trees which are regularly maintained and no defects	No work required			
T15	CYPRESS	M 4ms	F	No significant defects	No work required			
T16 **	PINE	M 16ms	F	Minor deadwood and some branches close to overhead power lines	No work required at present			
T17	CRAB APPLE	M 3.5ms	F	Suppressed by adjacent trees with low crown	No work required at present			
T18 **	PINE	M 16ms	F	Minor deadwood and some branches close to overhead power lines	No work required at present			
**	T16, T17, T20	Although the branches are not yet touching the power lines, it would be worth considering clearance pruning whilst the power is shut down for work to T2, T5 and T9						
T19	CRAB APPLE	M 2ms	P	SMALL DEAD TREE	Remove	B		
T20 **	PINE	M 14ms	F	Twin stemmed from 3ms with minor deadwood. Some branches close to overhead power lines	No work required at present			
T21	THUJA	M 4ms	F	Ivy covered, no other significant defects	Sever ivy	C		
Gp 1	ELDER and HAWTHORN	M 4ms av	F	Ivy covered Hawthorns, no other significant defects	Sever ivy on Hawthorns	C		
T22	CHERRY	M 3ms	F	No significant defects	No work required			

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Tree i.d.	Species	Age Height	Cond	Findings	Recommendations	Priority	Cost	Work undertaken
T23	FIELD MAPLE	M 5ms	G	No significant defects	No work required			
T24	ASH	M 5ms	F	Minor deadwood, no other significant defects	No work required			
T25	3 FIELD MAPLES	M 6ms	G	No significant defects	No work required			
T26	CHERRY	M 6ms	F	No significant defects	No work required			
T27	FIELD MAPLE	M 6ms	F	No significant defects	No work required			
T28	CHERRY	M 8ms	F	No significant defects	No work required			
T29	ASH	M 6ms	F	Twin stemmed from 1.5ms with minor deadwood	No work required at present, but consider bracing at 2024 survey			
T30	HAWTHORN	M 6ms	P	Heavily ivy covered obscuring accurate inspection	Sever ivy to enable assessment by 2024 survey	B		
T31	WALNUT ON CENTRAL BED	M 9ms	F	Low crown, no other significant defects	Raise crown to 2.5ms all round if access required for lawn mowing	B		
T32	SILVER BIRCH	M 6ms	F	No significant defects	No work required			
T33	ASH	M 6ms	F	Twin stemmed from 5ms, minor deadwood, no other significant defects	No work required			
T34	LIME	M 9ms	F	Ivy covered	Sever ivy	C		
T35	SYCAMORE	M 9ms	P	In decline with suspect Sooty Bark Disease	Remove and replace	B		
T36	PINE	M 10ms	F	Moderate deadwood and lodged dead limb	Remove deadwood and lodged limb	B		
T37	ALDER	M 6ms	F	No significant defects	No work required			

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Tree i.d.	Species	Age Height	Cond	Findings	Recommendations	Priority	Cost	Work undertaken
T38	PINE	M 7ms	P	Very heavy ivy encroachment	Sever ivy	A		
T39	LABURNUM	M 6ms	P	Very heavy ivy encroachment	Sever ivy	A		
T40	PINE	M 12ms	F	Twin stemmed from 4ms, ivy on main stem and minor deadwood	No work required at present			
T41	CRAB APPLE	M 4ms	F	Moderate deadwood	Remove deadwood	C		
T42	ALDER	M 6ms	F / P	Twin stemmed from base with heavy ivy encroachment	Sever ivy	A		
T43	CRAB APPLE	M 4ms	F	Moderate deadwood	Remove deadwood	B		

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Tree i.d.	Species	Age Height	Cond	Findings	Recommendations	Priority	Cost	Work undertaken
SITE 2 ~ SM GUY MEMORIAL PLAYING FIELD:								
T44	3 POPLARS	M 7ms	F	Previously reduced, with no significant defects	No work required			
T45	CHERRY	M 5ms	F	No significant defects	No work required			
T46	HORSE CHESTNUT	M 9ms	P	Advanced bleeding canker evident	Monitor annually	DN		
T47	3 PLUMS	M 7ms	P	Ivy covered. 1 tree with low long subsiding limb	Sever ivy and reduce subsiding limb by 3ms to alleviate end weight	B		
T48	SYCAMORE	M 10ms	F	Ivy covered, no other significant defects	No work required			
Gp 2	WILLOW and ALDER	M 10ms	F	Ivy covered trees, but no significant defects	No work required			
T49	HORSE CHESTNUT	M 15ms	F	Heavy long subsiding limb SE, no other defects	Reduce subsiding limb by 3ms to alleviate end weight	B		
T50	FIELD MAPLE	M 12ms	F	Ivy encroachment, but no other defects	No work required			
T51	SYCAMORE	M 14ms	F	No significant defects	No work required			
T52	OAK	M 17ms	F	Large deadwood throughout crown and ivy on main stem	Remove deadwood	B		
T53	ELM and adj small dead Elm	M 15ms	P	90% DEAD from Dutch Elm Disease	Fell, including small dead adjacent Elm	B		
T54	ELM	M 9ms	F	No significant defects at this time, but vulnerable to Dutch Elm Disease	No work required at present			
Gp 3	SILVER BIRCH and 2 ELMS	SM 11ms av	F / P	Heavy ivy encroachment on all trees	Sever ivy	A		

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Tree i.d.	Species	Age Height	Cond	Findings	Recommendations	Priority	Cost	Work undertaken
T55	OAK	M 18ms	F	Large amount of large deadwood	Remove deadwood	B		
T56	WILLOW	M 20ms	F	Large tree with long limbs	Consider height reduction at 2024 survey OR when T57 reduced this tree will become exposed and will require reducing by 50% at same time	A or C		
T57	WILLOW	M 20ms	P	Longitudinal cracking on main stem from 6ms up to Dryads Saddle fungal brackets; above this point are woodpecker holes which are indicative of decaying wood	Reduce crown overall by 50% to alleviate weight on weakened stem and suspect decay area;	A		
T58	5 SILVER BIRCH	M 14ms	F	Ivy on main stems, no other defects	No work required at present			
Gp 4	9 WILLOWS	M 10ms	P	Previously reduced with long regrowth	Requires repollarding	B		
T59	HORSE CHESTNUT	M 10ms	F	No significant defects	No work required			
T60	7 SILVER BIRCH	M 10ms	F	No significant defects	No work required			
T61	HORSE CHESTNUT	M 10ms	F	No significant defects	No work required			
T62	FIELD MAPLE	M 9ms	F	No significant defects	No work required			
T63	SILVER BIRCH	M 6ms	F	Suppressed by T62, no other defects	No work required			
T64	ASH	M 10ms	F	Ivy covered, but no other defects	No work required			
T65	HORSE CHESTNUT	M 7ms	F	Ivy covered, but no other defects	No work required			
T66	LIME	M 8ms	G	No significant defects	No work required			

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Tree i.d.	Species	Age Height	Cond	Findings	Recommendations	Priority	Cost	Work undertaken
T67	HORSE CHESTNUT	M 10ms	F	No significant defects	No work required			
T68	2 SILVER BIRCH	M 6ms	F	No significant defects	No work required			
T69	HORSE CHESTNUT	M 11ms	P	Advanced bleeding canker	Monitor annually	DN		
T70 ***	HYBRID BLACK POPLAR	M 14ms	F	Minor deadwood. Roots causing damage to footpath ~ see note below	No work required otherwise			
T71	HORSE CHESTNUT	M 8ms	F/P	Ivy covered with sparse crown	No work required at present			
T72 ***	HYBRID BLACK POPLAR	M 14ms	F	Minor deadwood. Roots causing damage to footpath ~ see note below	No work required otherwise			
T73	FIELD MAPLE	M 4.5ms	F	Ivy covered, but no other defects	No work required			
T74	SYCAMORE	M 8ms	F	Ivy covered, but no other defects	No work required			
T74a	SILVER BIRCH	M 5ms	P	Suppressed specimen, but no other defects	No work required			
T75	ASH	M 10ms	F	Multi stemmed from 1m, with no defects	No work required			
T76	LIME	M 9ms	G	No significant defects	No work required			
T77 ***	HYBRID BLACK POPLAR	M 14ms	F	Minor deadwood. Roots causing damage to footpath ~ see note below	No work required otherwise			
T78	HORSE CHESTNUT	M 6ms	P	Advanced bleeding canker	Monitor annually	DN		
T79	CHERRY	M 6ms	F	No significant defects	No work required			
T80 ***	HYBRID BLACK POPLAR	M 14ms	F	Minor deadwood. Roots causing damage to footpath ~ see note below	No work required otherwise			

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Tree i.d.	Species	Age Height	Cond	Findings	Recommendations	Priority	Cost	Work undertaken
***	T70, T72, T77 and T80 4 HYBRID BLACK POPLARS			These trees are causing extensive root damage to the footpath creating trip hazard. This cannot be remedied with crown reductions as the roots are too established. The only management is to remove the trees, treat stumps in preparation for root removal 4 weeks after to prevent suckering. A new footpath can then be laid.	Top and fell to ground level and treat stumps; Remove roots 4 to 6 weeks after treatment;			
T81	6 LEYLANDI CYPRESS	M 8ms	F	No significant defects	No work required			
T82	CHERRY	M 6ms	F	No significant defects	No work required			
T83	HORSE CHESTNUT	M 7ms	F	No significant defects	No work required			
T84	HORSE CHESTNUT	M 7ms	F	No significant defects	No work required			
T85	FIELD MAPLE	M 10ms	F	No significant defects	No work required			
T86	SILVER BIRCH	M 9ms	G	No significant defects	No work required			
T87	ASH	M 12ms	F	Heavy ivy encroachment	Sever ivy	A		
Gp 5	LEYLANDI HEDGE	M 3.5m	F	Boundary hedge, regularly maintained	No work required			
T88	LIME	M 10ms	F	Low crown and close to football fence	Raise crown to 3ms all round	B		
T89	2 NORWAY MAPLES	M 11ms	F	Moderate deadwood	Remove deadwood	B		
T90	2 HORSE CHESTNUTS 3 adj DEAD ELMS	M 7ms	F	No significant defects	No work required to Horse Chestnuts. Remove dead Elms	B		

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Tree i.d.	Species	Age Height	Cond	Findings	Recommendations	Priority	Cost	Work undertaken
T91	ASH	M 10ms	F	Large amount of deadwood	Remove deadwood	A		
T92	NORWAY MAPLE	M 10ms	F	Large amount of deadwood	Remove deadwood	A		
T93	LIME	M 9ms	F	No significant defects	No work required			
T94	ASH	M 12ms	F	Ivy on main stem, no other defects	No work required			
T95	SILVER BIRCH	M 10ms	F	Large amount of deadwood	Remove deadwood	B		
T96	SILVER BIRCH	M 10ms	F	Heavy ivy on main stem	Sever ivy	B		
T97	SYCAMORE	M 8ms	F	No significant defects	No work required			
T98	ASH	M 14ms	F	Large amount of deadwood. Long overextended subsiding laterals limbs	Remove deadwood and reduce long laterals by up to 2.5ms to alleviate end weight	B		

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SITE 3 ~ THE LAKE ~ all the trees surrounding the lake have been inspected, but only those requiring attention have been tagged and work noted.								
T201	2 ASH	M 10ms	F	Large amount of deadwood in both trees	Remove deadwood	B		
T202	ASH behind lottery sign (not tagged)	M 12ms	F	Large amount of deadwood and long low limb overhanging path and car park	Remove deadwood and reduce low limb by 3ms to alleviate end weight	B		
T203	HAWTHORN	M 6ms	P	DEAD TREE	Remove	B		
T204	WILLOW	M 7ms	F	One dead stem and deadwood on remaining stems	Remove dead stem and deadwood	B		
T205	OAK	M 10ms	F	Large amount of major deadwood	Remove deadwood	B		
T206	OAK	M 10ms	F	Large amount of major deadwood	Remove deadwood	B		
T207	WILLOW	M 14ms	F	Large amount of major deadwood	Remove deadwood	B		
T208	ELM	M 10ms	P	DEAD from Dutch Elm Disease	Remove tree	C		
T209	ASH (tag on post)	M 10ms	F	Deadwood overhanging path	Remove deadwood	B		
T210	ASH	M 12ms	F	Deadwood overhanging path	Remove deadwood	B		
T211	WILLOW	M 16ms	F / P	Fallen lodged limb and over extended laterals	Little used area, no work required but monitor annually	DN		
T212	WILLOW	M 18ms	F	One broken lodged limb NORTH	Remove lodged limb	B		
T213	ASH	M 15ms	F	Large amount of deadwood overhanging path	Remove deadwood	B		

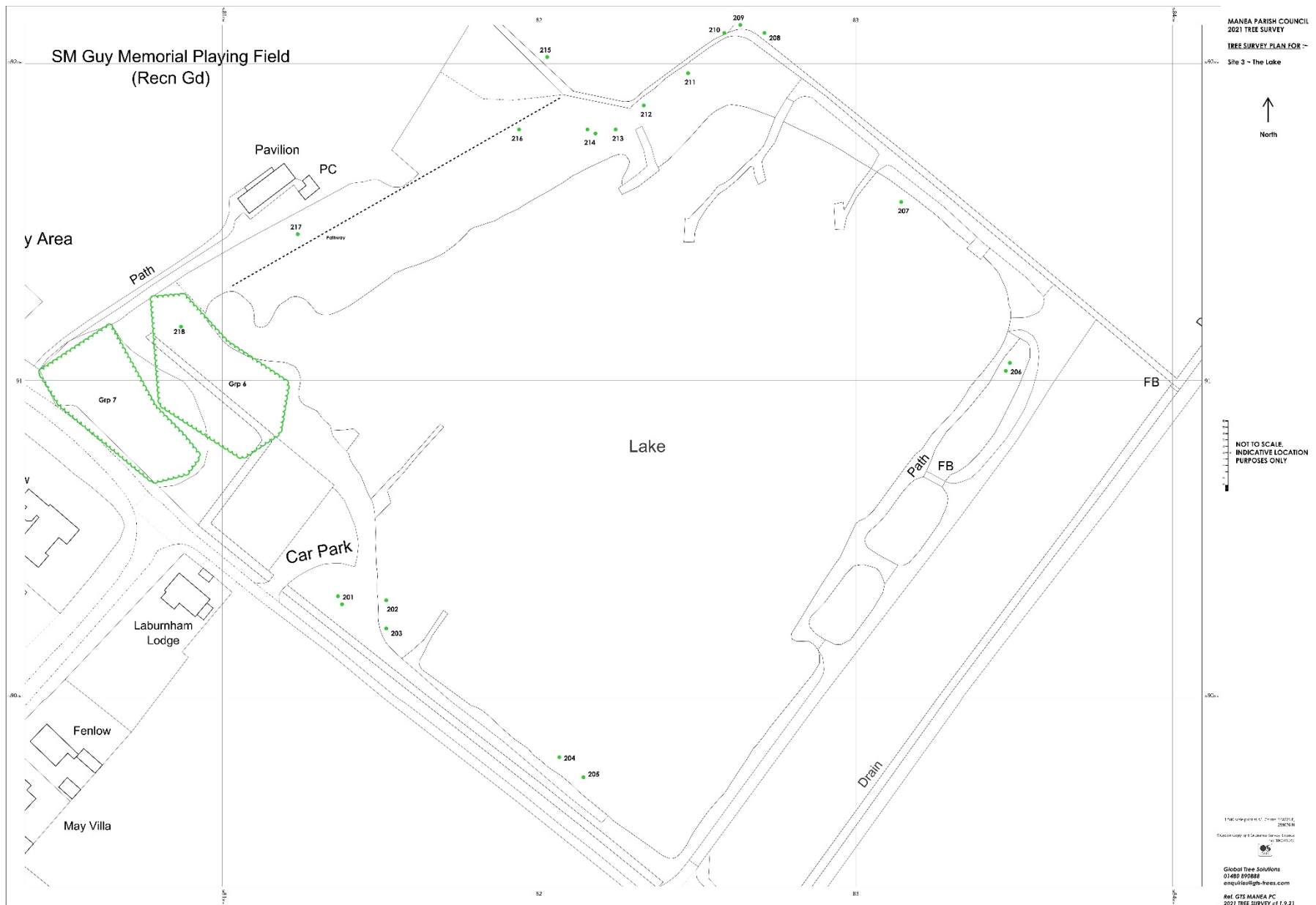
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Tree i.d.	Species	Age Height	Cond	Findings	Recommendations	Priority	Cost	Work undertaken
T214	2 ASH	M 18ms	F	Large amount of deadwood overhanging path in both trees	Remove deadwood	B		
No tag	Area between T211 and T214 ~ various trees	M	F	This area contains several large trees other than those tagged, which are ivy covered. Recommend phased severance of the ivy to prevent full encroachment into crowns but also maintain wildlife habitat	Sever ivy on 25% of trees annually up to 2024 survey			
T215	WILLOW	M 20ms	F	Large amount of deadwood and 1 decayed limb EAST	Remove deadwood and decayed limb	B		
T216	WILLOW and small dead adjacent ELM	M 20ms	P	Ivy covered with large amount of deadwood	Remove deadwood path side and fell dead Elm	A		
T217	ELM	M	P	DEAD	Remove tree	A		
T218	ELM	M 4ms	P	DEAD	Remove tree	B		
Gp 6	8 WILLOWS and 1 ASH	M 25ms	F	Ivy covered and large amount of deadwood	Remove deadwood and sever ivy and inspect 2022 when ivy died	A DN		
Gp 7	7 WILLOWS	M 10ms	P	In poor condition, but in no access area	No work required unless area opened up			

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Tree i.d.	Species	Age Height	Cond	Findings	Recommendations	Priority	Cost	Work undertaken
SITE 4 ~ VILLAGE GREEN								
T219	ACER CRIMSON KING	SM 6ms	F	Within tree guard. Basal and eppicormic growths, no other defects	Remove basal and eppicormic growths	C		
T220	CYPRESS	M 7ms	F	No significant defects	No work required			
T221	YEW	M 10ms	G	No significant defects	No work required			
T223	VARIEGATED MAPLE	SM 4ms	P	Tree has been vandalised and regrowth is reverting	Remove reverted growth in Summer months	C		
SITE 5 ~ VILLAGE HALL								
T224	HORSE CHESTNUT	M 8ms	P	Advanced bleeding canker	Monitor annually	DN		





MANEA PARISH COUNCIL ~ 2021 TREE SURVEY

Tree survey plan for:-

Sites 4 and 5 ~ Village Green and Village Hall

