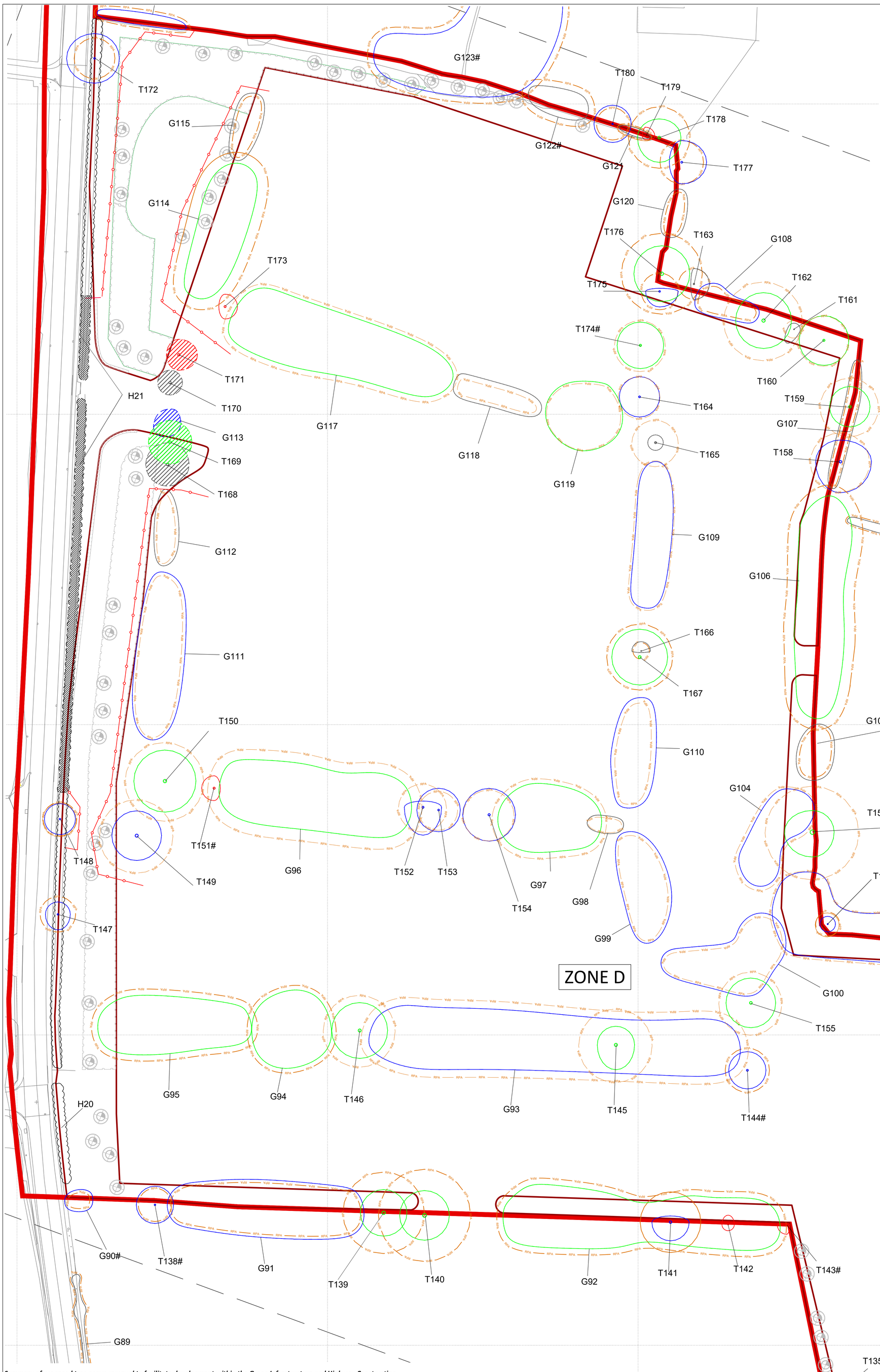


ARBORICULTURAL METHOD STATEMENT

TREE PROTECTION FENCING

Tree protection fencing must be installed in the position as shown on the Tree Protection Plan before any other works on site can be undertaken.

Tree Protection Fencing should be set out as per Section 6.2 of BS5837; 2012 and will comprise a scaffold framework, consisting of vertical and horizontal scaffolds with vertical tubes spaced at a maximum of 3m intervals and driven securely into the ground. Weld mesh (Heras or similar) panels will be securely fixed on to this framework with scaffold clamps. Tubes will be firmed into holes in the ground made with post hole boring equipment. Bracing poles will be fixed to the inside of the barrier to ensure maximum rigidity, and should be located to avoid contact with structural roots.

See Detail 1 for details of the protective fencing to be employed in all circumstances, where existing site conditions allow. Fencing is to be erected as shown on the drawing. All fencing must be fixed in position with driven scaffold poles so that they cannot be moved during the construction period.

All-weather notices, A4 size, shall be attached to the tree protection fencing every 10m at 1.5m high with the words: 'Tree Protection Fence–strictly no access'.

MIXING AND STORAGE OF MATERIALS

All mixing and storage of cement and concrete will take place in a designated area, which will be located well outside the vicinity of the RPA.

All mixing operations must take place with ground protection in place, which will comprise a tarpaulin and ground boards. A spill kit (which is adequately equipped to deal with the materials being held on site) must be kept on site at all times. A supply of water must also be available during mixing operations (to dilute any spillage).

FOOTPATH/DRIVE CONSTRUCTION IN THE RPA

No dig construction with cellular confinement system (Cell web, or similar approved) to be installed and backfilled with clean aggregate, to be finished with porous paving.

The new surface must be established above the existing levels of the RPA. The ground must not be skimmed to establish the new hard surface at the former ground level. A geo-textile membrane will be laid out in position (to allow drainage and separation and prevent pollution of roots. A Cellular Confinement System (CCS) will be pinned out in position, using road pins and taking care to avoid any roots. The CCS will be backfilled with clean aggregate (no-fines stone to allow water percolation and gaseous exchange). The first layer of CCS must be infilled by hand, to prevent any machinery from tracking over any unprotected root protection areas. The subsequent layers of CCS maust be infilled with machinery only running on filled CCS and not the exposed surface of the RPA, by starting work from outside the RPA, working inwards.

Construction will not be carried out during wet weather, and will be undertaken when the ground is driest and least prone to compaction.

Key

- Existing hedge
- Existing hedge to be removed
- **Tree retention category A** High quality with an estimated life expectancy of at least 40 years
- **Tree retention category B** Moderate quality with an estimated life expectancy of at least 20 years
- **Tree retention category C** Low quality with an estimated life expectancy of at least 10 years, OR young tree with a stem diameter below 150mm
- **Tree category U** Poor condition with an estimated life expectancy of less than 10 years
- **RPA** minimum Root Protection Area
- **Proposed tree removal** To facilitate development. Refer to drawing number AIA05 for tree removal schedule.
- **Proposed tree removal** Due to poor condition. Refer to drawing number AIA05 for tree removal schedule.
- **Proposed tree group removal** To facilitate development. Refer to drawing number AIA05 for tree removal schedule.
- # Approximate location
- V Veteran tree
- * Statutory Protection TPO (Tree Preservation Order); Conservation Area; Important Hedgerow etc.
- **Tree protection fencing** see Detail 1 and method statement
- **No dig construction of permeable surface**
- × 38.333m **Proposed formation levels**
- × 40.622m **Proposed finished levels for roads ditches and ponds**

Trees have been surveyed and categorized as per the recommendations and guidance in BS 5837:2012 Trees in relation to design, demolition and construction.

This drawing is to be read in conjunction with the Arboricultural Survey report.

This drawing is to be reproduced in colour.

FOR INFORMATION

Rev.	Date	Comments	Drawn	Chkd
H	06.07.2023	Paper layout update	KS	MS
G	05.07.2023	Paper layout update	KS	MS
F	27.06.2023	Revision to tree protection measures.	KS	MS
E	19.06.2023	Addition of proposed levels.Removal of footpath to Green Corridor.	KS	MS
D	09.06.2023	Minor updates to tree removal re:extent of phase 1 works	KS	MS
C	05.05.2023	Added Landscape Proposal baseplan	KS	MS
B	17.01.2023	Addition of Zone E	KS	MS
A	02.12.2022	Updates to tree removals	KS	MS

Summary of proposed tree group removal to facilitate development within the Green Infrastructure and Highway Construction areas.

Tree No.	Drawing location	Species	Proposed Works	Category
G32	See drawing 2 of 4	English oak	Remove for drainage construction and earth works.	B1
G33	See drawing 2 of 4	Hawthorn	Remove for drainage construction and earth works.	C1
G34 Section	See drawing 2 of 4	Hawthorn, elder, English oak	Remove sections for drainage and highway construction.	C2
G36 Section	See drawing 2 of 4	Sycamore, common beech, Scots pine	Remove section from south side	B1,2
G45 Section	See drawing 1 of 4	Blackthorn, hawthorn, wild cherry, common alder	Remove section for drainage construction	C2
G47 Section	See drawing 1 of 4	Blackthorn, hawthorn, wild cherry, common alder	Remove section for highway construction, drainage and for site earth works.	C2
G48	See drawing 1 of 4	Aspen	Remove for highway construction	C2
G54	See drawing 1 of 4	Goat willow	Drainage attenuation	C2
G55 Section	See drawing 1 of 4	Hawthorn, field maple, hornbeam, sycamore, blackthorn	Remove short section for footpath access.	C2
G80b	See drawing 1 of 4	English oak, turkey oak	Drainage attenuation	C2
G113	See drawing 4 of 4	English oak, hawthorn	Remove for highway construction	B2

Summary of proposed tree group removal to facilitate grading to achieve formation levels.

Tree No.	Drawing location	Species	Proposed Works	Category
G30	See drawing 2 of 4	Hawthorn	To allow grading to formation levels	U
G31	See drawing 2 of 4	Turkey oak, hawthorn, sycamore	To allow grading to formation levels	C1
G37	See drawing 2 of 4	Hawthorn, blackthorn, elder	To allow grading to formation levels	C2
G40	See drawing 2 of 4	Hawthorn	To allow grading to formation levels	C2
G41	See drawing 2 of 4	Hawthorn	To allow grading to formation levels	C2
G46	See drawing 1 of 4	Wild cherry	To allow grading to formation levels	C2

Summary of proposed tree removal to facilitate development within the Green Infrastructure and Highway Construction areas.

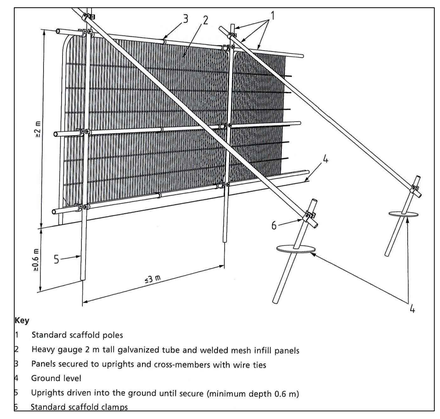
Tree No.	Drawing location	Species	Proposed Works	Category
T22	See drawing 3 of 4	Sycamore	Remove for level changes.	C2
T59	See drawing 2 of 4	English oak	Remove for drainage construction	A1,2
T65	See drawing 2 of 4	English oak	Remove for highway construction	A1,2
T66	See drawing 2 of 4	English oak	Remove for highway construction	B1,2
T67	See drawing 2 of 4	English oak	Remove for highway construction	A1,2
T76	See drawing 2 of 4	English oak	Remove for highway construction	A1,2
T80	See drawing 1 of 4	English oak	Drainage attenuation	B2
T83	See drawing 1 of 4	Elder	Remove for level changes	C2
T84	See drawing 1 of 4	English oak	Drainage attenuation	B1
T84b	See drawing 1 of 4	English oak	Drainage attenuation	B1
T85	See drawing 1 of 4	Hawthorn	Remove for level changes	C1
T86	See drawing 1 of 4	Elder	Remove for level changes	C1
T87	See drawing 1 of 4	Sycamore	Remove for carrier drain	B2
T88	See drawing 1 of 4	Hawthorn	Drainage attenuation	C1
T89	See drawing 1 of 4	English Oak	Remove for carrier drain	B1
T168	See drawing 4 of 4	English oak	Remove for highway construction	C2, 3
T169	See drawing 4 of 4	English oak	Remove for highway construction	A2
T170	See drawing 4 of 4	English oak	Remove for highway construction	C2, 3
T171	See drawing 4 of 4	English oak	Remove for highway construction	U

Summary of proposed tree removal to facilitate grading to achieve formation levels.

Tree No.	Drawing location	Species	Proposed Works	Category
T58	See drawing 2 of 4	English oak	To allow grading to formation levels	B1, 2
T72	See drawing 2 of 4	English oak	To allow grading to formation levels	B2
T73	See drawing 2 of 4	English oak	To allow grading to formation levels	B2, 3
T74	See drawing 2 of 4	English oak	To allow grading to formation levels	B1, 2
T75	See drawing 2 of 4	English oak	To allow grading to formation levels	B2

Summary of proposed hedge removal to facilitate development within the detailed planning application area.

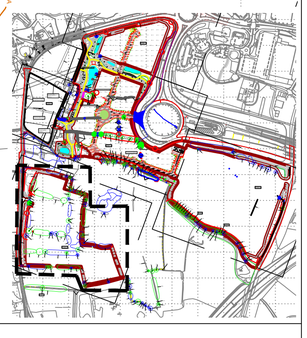
Tree No.	Drawing location	Species	Proposed Works	Category
H1	See drawing 3 of 4	Hawthorn, hazel, field maple	Remove for visibility splay at new junction.	-
H7	See drawing 3 of 4	Hawthorn, sycamore	Remove for change in levels.	-
H13	See drawing 1 of 4	Hawthorn, elder	Remove mid-section for footpath access.	-
H21	See drawing 4 of 4	Hawthorn, elder, sycamore	Remove section due to new highway junction and visibility splay.	-



Key

1 Standard scaffold poles
2 Heavy gauge 2 m tall galvanized tube and welded mesh infill panels
3 Panels secured to uprights and cross-members with wire ties
4 Ground level
5 Uprights driven into the ground until secure (minimum depth 0.6 m)
6 Standard scaffold clamps

Detail 1 - Tree Protection Fencing (NTS)



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Project: Lancashire Central

Title: Stainfield Lane Junction - Zone D Arboricultural Impact Assessment 4 of 4

Project No.	Drawing No.	Rev.
SF 3236	AIA01	H

Scale	Date
1:500 @ A0	21.11.2022

Drawn by	Checked by
KS	MS