Arboricultural Method Statement

Protection and Retention of Existing Habitats
The Contractor shall exercise extreme care when performing operations beneath the canopy of existing mature trees and vegetation designated for protection and avoid at all times damage to the roots, trunk and branches. The Contractor shall train all members of the construction workforce operating within the proximity of valued habitats and make such persons aware that there shall not be the following operations undertaken within the Protected areas:

- Dumping of spoil or rubbish, excavation or disturbance of topsoil, parking of vehicles or plant, storing of materials or placing of temporary accommodation within the specified Root Protection Areas;
- Roots exceeding 25mm in diameter must not be severed. If unintentionally severed; notice shall be given, and specialist arboricultural advice sought;
- Changes to existing ground levels within the Root Protection Areas.

Contractor Movements. Site Access. Storage and Compound Areas
The Contractor Site Compound shall be located within the existing car park area to the east, outside of any prescribed tree Root Protection Area and shall be permitted for the storage and securement of materials only within a temporary compound. The compound shall be fenced (*2.0m minimum height Heras Weld Mesh Fencing*) and shall allow designated contractor access without obstruction for construction vehicles entering the site.

The compound area shall be located so as to not incur damage or injury to the root systems or canopy of any existing trees or vegetation within or adjacent to the site, in accordance with *BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction - Recommendations'*. All site operations associated with the usage of the compound area shall be undertaken with due care and attention so as to negate damage of the surrounding environment.

All site operations and construction procedures for the duration of the construction period shall protect the existing site vegetation and root protection areas in accordance with *BS 5837:2012*.

Removal of Existing Vegetation
All vegetation designated for removal are to be removed in accordance with *BS 5837:2012*. Trees designated for removal and felling shall be clearly marked on site with white paint. Care should be taken during the removal process to avoid any damage to any trees, hedgerows or shrubs which are designated to be retained.

Stumps shall be removed and cut away so that the top of the stump shall be at least 450mm below the final topsoil level in order that the site can be reinstalled in accordance with the existing site levels. Stumps are to be treated with an approved herbicide to be agreed with the Landscape Architect. Where the depth is greater than 450mm the areas shall be backfilled with topsoil to the required level.

The removal of shrub or scrub material within the Root Protection Area of any tree to be retained shall employ a Manual Removal method; the use of hand tools shall be used to maintain the ground surface of the Root Protection Area and reduce any damage to existing tree roots within the protected root zone. Adjacent trees shall not be utilised as anchors or levers to facilitate the removal of adjacent vegetation.

Vegetation removal should take place outside the bird nesting season (nesting season: March-September inclusive) or alternatively under a watching brief from a suitability qualified ecologist.

Tree Surgery
Any significant defects found in the trees during the course of the scheduled work shall be reported to the Landscape Architect / Arboricultural Consultant. All scheduled and arising tree work shall be undertaken by an approved and qualified tree surgeon in accordance with *BS 3998: 2010 'Tree Work: Recommendations'*. Care should be taken to avoid damage to neighbouring trees to be retained. Branches in confined spaces shall be removed and taken down in sections. All arisings shall be transported and disposed of away from site to the Contractor's tip.

Tree and Vegetation Management
For Tree and Vegetation Retention and Removal Proposals refer to the accompanying *Existing Tree Schedule and Schedule of Tree Works*.

Tree Protective Barriers
Tree Protective barriers shall be installed after completion of removal of existing vegetation in accordance with *BS 5837: 2012 "Trees in Relation to Design, Demolition and Construction - Recommendations"*. The fencing shall be installed, protected and maintained during the main works by the Contractor who shall be responsible for protecting any area beneath the canopy of the existing trees and within the specified Root Protection Areas.

The installed protective barriers shall be 2.0m minimum height 'Heras' Welded Wire Mesh Fencing secured to a scaffolding framework, set into the existing ground, and positioned to the outside edge of the existing Tree Root Protection Area. Where existing ground conditions do not allow for the above method, the Welded Wire Mesh Fencing Panels may be mounted on concrete or rubber feet, supported on the inner side with stabilizer struts fixed on a block tray or secured with ground pins; and positioned as specified. The fencing shall be strained, and fixed to fences, walls, knee rails where possible to provide a complete protected area. All tree protection to be in accordance with BS 5837; 2012; "Trees in Relation to Design, Demolition and Construction - Recommendations' set out as specified within this drawings.

Day-glo ribbons shall be maintained during the main works by the Main Contractor attached to the top of the fencing to ensure that the fencing is clearly visible during the works. The tree protection fencing shall display all-weather notices starting *'Construction Exclusion Zone - NO ACCESS'*.

All such barriers shall be maintained for the full contract period. All necessary excavations, earthworks and cultivation beneath the canopy spread of any existing tree; shrub or hedge shall be undertaken by hand. *No commencement of construction operations should occur prior to the inspection of the installed tree and ground protection by the Landscape Architect / Arboricultural Consultant.* Repositioning of the protective barriers during the course of the contract as the contract works progress shall need prior agreement with the Landscape Architect / Arboricultural Consultant.

Existing service runs should always be used wherever possible.
Where the proposed routing of services impinges upon the tree RPA of any existing tree to be retained; the routing should be undertaken as a minimum standard in accordance with *NJUG Volume 4, issue 2: 'Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees'*.

A 'Manual Excavation Method' to be followed to carefully hand dug and route the apparatus most directly to and from the exterior of the RPA radius. Trench excavation across the tree root protection area radius beside an existing tree shall be avoided, whereby tree roots will become severed. Where services are to cross the edge of an existing tree root protection area, they should be routed through existing tree roots, via a hand dug ducting sleeve, avoiding damage to existing tree roots within the root protection zone.

Arboricultural supervision is recommended at the following stages of work;

- Installation / checking of tree protection measures;
- Method statement briefing for site staff;
- Supervision of manual excavation;
- Specification and Installation of 'No-Dig' Construction;
- Removal of tree protection measures.

Tree Retention and Protection Plan
Hailsham Community College

Legend - 1:500

Tree Root Protection Areas
Tree Root Protection Areas calculated and specified in accordance with *BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction - Recommendations'*.

Category A Trees
Trees of High Quality and Value.

Category B Trees
Trees of Moderate Quality and Value.

Category C Trees
Trees of Low Quality and Value.

Category U Trees
Trees unsuitable for retention.

Existing Trees to be Removed
Tree Surgery operations to be in accordance with *BS3998:2010 - 'Tree Works - Recommendations'*.

Proposed Tree Surgery Works
Existing trees to have crown reduced prior to protection measures being implemented.
Tree Surgery operations to be in accordance with *BS 3998:2010 - 'Tree Works - Recommendations'*.

Tree Protection Barrier - No Construction Access
All Tree Protection and Tree Protection Barriers to be in accordance with *BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction - Recommendations'*
Tree Protective Barrier to be 2.0 metres height 'Heras' Welded Wire Mesh Fencing secured to a scaffolding framework, set into the existing ground, and positioned to the outside edge of the existing Tree Root Protection Area, or as specified.

Tree Protection Zone - 'No Dig' Construction
A *'No Dig' Permeable Construction* shall allow for construction to be implemented without intrusion or change of existing ground levels, in accordance with *BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction - recommendations'*.

Tree Protection Zone - Manual Excavation
A limited *Manual Excavation* method shall be implemented with due care with hand held tools under *Arboricultural Supervision* only, in accordance with *BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction - recommendations'*

Ground Protection - Construction Operation Zone
An Operation Zone to enable construction work within the Root Protection Area is to be secured beneath the canopy of the existing trees with a ground protection layer, fit for the expected level of loading, above a compression resistant layer for the duration of the construction period in accordance with *BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction - Recommendations'*

Notes:
The original of this drawing was produced in colour - a monochrome copy should not be relied upon.
Habitat areas are indicative and for information only - please do not scale from this drawing.

There are no Tree Preservation Orders within or immediately adjacent to the site boundaries. Confirmation shall be independently sought from the Local Authority by the Contractor prior to any works affecting existing trees.

Refer to:
LLD2040-ARB-DWG-001 - Tree Constraints Plan
LLD2040-ARB-DWG-002 - Tree Constraints Plan
LLD2040-ARB-DWG-003 - Tree Retention & Protection Plan
LLD2040-ARB-DWG-004 - Tree Retention & Protection Plan
LLD2040-ARB-SCH-001 - Existing Tree Schedule
LLD2040-ARB-REP-001 - Arboricultural Impact Assessment

PLANNING ISSUE

Rev	Description	Date	Initials
00	Planning Issue	22.07.20	KM

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Client
HCCAT
Project Title and Location
Hailsham Community College
Battle Road, Hailsham

Drawing Title
Tree Retention and Protection Plan

Scale	*Drawn*	*Approved*	*Date*
1:500	KM	JJ	09.07.20

Drawing No	*Revision*
LLD2040-ARB-DWG-003	00