

MILL LANE

101 MILL LANE - EXISTING SCHOOL SITE
1:200 SCALE

Arboricultural Survey

The information shown on this drawing should be read in conjunction with the Arboricultural Survey carried out by Crown Consultants dated 15th September 2009, document ref: 0879.

Tree Protection Zones - Protective Fencing

All trees, shrubs and hedgerows on site to be retained within or adjacent to the extent of the site shall be protected during the course of works in the following manner and in accordance with BS 5837 : 2005 Trees in Relation to Construction.

- Temporary protective fencing comprising Heras Temporary Fencing Panels fixed to a scaffold pole framework to BS 5837 : 2005 shall be erected beyond the full extent of root protection areas and spread of shrubs. The exact location of the fence shall be agreed on site by the Project Manager and Local Authority Tree Officer prior to any works commencing.
- The Contractor shall make no changes to the ground level within the areas protected by the temporary protective fencing unless instructed by the Project Manager.
- The Contractor shall ensure that no materials of any kind are stored within the protective fencing area and that access is limited to that required for maintenance purposes only.
- The Contractor shall take care when carrying out earthworks in the proximity of existing trees through flooding, changes to ground water levels, damage to roots and pollution of the ground.
- Refer to Detail of Protective Fencing drawing: bd 0055 DD 006.

Workmanship

All workmanship is to be in accordance with good practice and shall conform to BS 3998 : 1989 Recommendations for Tree Works and BS 5837 : 2005 Trees in Relation to Construction and the Landscape Specification. The standard of workmanship must be to the best possible standard by highly experienced operatives. All tree works to be carried out by a certified Arboriculturalist to the Project Managers approval.

Arbings

Subject to agreement with the Local Authority, selected suitable arising resulting from tree removal works shall be sawn to varying log sizes (circa 500-1000mm lengths & min 80mm diameter) and stored within the open space to provide an ecological habitat i.e. log piles. The location and number of these piles will be determined on site by the Landscape Architect/Project Manager.

Subject to agreement with the Local Authority, selected suitable sections of tree including major lengths of trunks will be retained for use within the school playground and open space areas. T51 is to be felled in one 8m long section with the trunk to be reused for seating/play within the playground. Further trees will be reused subject to community engagement and consultation on the proposals for the open space.

Special Protection Arrangements

Certain trees, most notably T1 & T4, will require special protection measures during the construction of adjacent road, bin stores etc. This fence would be a protective exterior grade ply to be used to box around the trees trunks in order to protect the stems, coupled with temporary fencing (e.g. Heras Steadfast system) along the road/planting bed boundary. A minimum 2 weeks notice to be given to the Local Authority Tree Officer to approve tree protection measures.

Works within Tree Protection Zones

The contractor is to submit a Method Statement for all works within a tree protection zone for approval by the Local Authority Tree Officer. The Contractor shall allow for carrying out all works within the tree protection zones by hand.

- Carefully remove existing surface layers and features to reveal depth and positions of principal roots in excess of 400mm diameter. All roots above 400mm diameter shall be retained and adequately protected from damage.
- Excavate to required formation level between protected roots ensuring that smaller roots are clean cut and end closest to trunk.
- Form clean smooth cuts with a hand saw, minimising the wound area and avoiding ragged edges.
- Place load bearing geotextile mat where required to Engineers Specification.
- Carefully backfill between roots with approved sub base material avoiding damage to protected roots.
- All roots damaged by excavation shall be given a clean oblique cut with a hand saw to good Arboricultural practice and roots shall be kept moist (by covering with a damp hessian sacking) until covered by new construction works.
- Non structural backfill within future soft landscape zones shall consist of a 2 parts site topsoil, 2 parts clean horticultural and, 1 part approved soil ameliorant, e.g. Approved commercial planting compost (peat free).

Trees to be Removed

Any existing tree and hedgerow to be removed shall be agreed between the Contractor and the Project Manager prior to their removal. Check for below and above ground services in their vicinity. Inform Landscape Architect if any are affected and obtain instructions before proceeding. Removal of trees shall be undertaken by a qualified and approved Arboriculturalist - details to be submitted to the Project Manager for approval. Works adjacent to the public highway or footpaths used by the public shall be carried out in accordance with all relevant Health & Safety legislation. Works shall comply with Forestry and Arboricultural Safety and Training Council Safety Guides.

Bird Nesting

All trees and shrubs that are to be removed between 1st March and 31st August to be surveyed by a qualified ecologist for evidence of nesting birds. The ecologist will have a watching brief over vegetation clearance. If nesting birds are discovered, the nest areas should be left untouched until the young have fledged.

GENERAL NOTES:

1. ALL DIMENSIONS AND LEVELS SHALL BE CHECKED ON SITE PRIOR TO CONSTRUCTION WORK COMMENCING.
2. ALL LANDSCAPE DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS AND ARCHITECTS DRAWINGS AND SPECIFICATIONS.
3. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH THE LANDSCAPE SPECIFICATION.
4. ANY DISCREPANCY CONCERNING THE DRAWINGS SHOULD BE REFERRED TO THE CA IMMEDIATELY.
5. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
6. ALL LEVELS IN METRES.
7. DO NOT SCALE OFF THIS DRAWING.
8. EXISTING SERVICE ALIGNMENTS SHALL BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION WORK COMMENCING.

KEY

- TREES TO BE RETAINED
- TREES TO BE REMOVED
- ROOT PROTECTION AREA
- PROTECTIVE FENCING LIMIT

BS 5837 : 2005 RETENTION CATEGORY

- A - High Quality & Value
- B - Moderate Quality & Value
- C - Low Quality & Value
- R - Remove

ALL WORKS TO BE IN COMPLIANCE WITH BS 5837 : 2005 - Trees in Relation to Construction.
Drawing to be read in conjunction with arboricultural report Ref: 0879 by Crown Consultants.

NOTES

- A number of tree and shrubs are proposed as "to be felled" for landscape design / management reasons, namely:
- (i) Potentially toxic species, e.g. Laburnum, Robinia.
 - (ii) Specimens of poor or incongruous character which detract from the visual amenity and conflict with landscape conflicts. These include shrubs which have outgrown their location and have been heavily pruned to unnatural forms.
 - (iii) Shrub thickets which impede light levels and are detrimental to habitat enhancement opportunities.
 - (iv) Shrubs / Small trees which affect intervisibility between spaces, along circulation routes and may impact on personal security.

It is proposed to gap up any resulting voids with specimen trees of a more appropriate species and form. (Refer to planting strategy)

- SITE BOUNDARY
- NEW SCHOOL BUILDING FOOTPRINT

Rev	Date	Description	Drawn	Chk
01	29/10/2010	Employers Requirement Issue	RB	RB
02	05/09/2010	Stage E Issue for comment	RB	RB

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& Emmanuel C of E Primary School

PROJECT
Emmanuel C of E School
Mill Lane

TITLE
Tree Retention & Removal Plan

Status:	Drawn:	Checked:
Stage E	RB	RB
Scale:	Date:	Approved:
1:200 @ A1	01.09.2010	RB

Drawing & Revision Number:
bd 0055 DD 005 R01

Trees To be Retained (67no):

No	Species	Cat
T1	Malus ssp	C
T4	Betula pendula	B+
T18	Acer pseudoplatanus	A
T19	Sorbus aucuparia	C
T20	Acer pseudoplatanus	C
T21	Tilia ssp	B
G22a	Mixed species	R
G23	Populus 'italica'	B-
G25	Fraxinus excelsior	C
T26	Acer campestre	C
T27	Salix caprea	C
G29	Mixed species	B-
G31	Mixed species	C-
T32	Betula pendula	C+
G33	Mixed species	C
G34	Mixed species	C
T53	Amelanchier lamarchii	C

Recommendations

- No works required; inspect annually
- No works required; inspect annually
- No works required; inspect annually
- Light pruning may be required to facilitate MUGA fence installation
- Remove ivy and inspect for defects
- No works required; inspect annually
- Retain - removal is of a low priority
- Remove ivy and inspect for defects
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- Remove ivy and inspect for defects
- No works required; inspect annually
- No works required; inspect annually
- No works required; inspect annually
- No works required; inspect annually
- No works required; inspect annually

Trees To be Removed (54no):

No	Species	Cat
T2	Prunus spinosa	C
T3	Betula pendula	C
T5	Tilia ssp	R
T6	Malus ssp	C
T7	Sorbus aucuparia	C+
T8	Buddleia ssp	R
T9	Prunus cerasifera 'pissardii'	C
T10	Malus ssp	R
T11	Acer pseudoplatanus	C+
T12	Prunus ssp	C
T13	Acer pseudoplatanus	R
T14	Acer pseudoplatanus	B
T15	Prunus ssp	R
T16	Acer pseudoplatanus	C
T17	Fraxinus excelsior	B
G22b	Mixed species	R
T24	Dead group of trees	R
G28	Dead group of trees	R
T30	Dead tree	R
T35	Betula pendula	B
G36	Mixed species	C
T38	Pyrus communis	C
T39	Laurus nobilis	C
T40	Sambucus nigra	C
T41	Robinia pseudoacacia	C
T42	Robinia pseudoacacia	A-
T43	Crataegus monogyna	C
T44	Robinia pseudoacacia	C
T45	Prunus cerasifera	B-
G46	Ficus carica	R
T47	Prunus cerasifera	B-
G48	Sambucus & Syringa	R
T49	Laurus nobilis	C
T50	Aesculus hippocastanum	B
T51	Acer pseudoplatanus	A-
T52	Prunus domestica	B-

Recommendations

- Removed to facilitate development
- Removed to facilitate development
- Poor condition - remove
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- Removed to facilitate development
- Poor condition - remove
- Removed to facilitate development
- Poor condition - remove
- Dead tree - remove
- Dead trees - remove
- Dead tree - remove
- Removed to facilitate development
- Removed to facilitate development
- Removed to facilitate development
- Removed to facilitate development
- Removed to facilitate development
- Removed to facilitate development
- Removed to facilitate development; borderline Cat C
- Poor condition - remove
- Removed to facilitate development; borderline Cat C
- Poor condition - remove
- Removed to facilitate development
- Removed to facilitate development; significant bleeding canker infection, potentially hazardous, therefore inappropriate in school grounds.
- Removed to facilitate development as unsuitably close to the front build line.
- Removed to facilitate development; borderline Cat C

Detail of Protective Fencing refer to Arboricultural Method Statement to be prepared prior to construction phase to ensure all retained trees are adequately protected.

Detail of Protective Fencing refer to drawing: bd 0055 DD 006

Location of fencing to respect Mill Lane
Open Space Action Group access to
Open Space area during construction
phase.

152-160 MILL LANE - PROPOSED SITE
1:200 SCALE