B1

A1

B2

A2

APPROX. DIRECTION OF NORTH

Key

- High Quality Trees
- Moderate Quality
- Low Quality
- Remove Category
- Root Protection Zone
- Collective Group Root Protection Zone

PROJECT TITLE

Darton School
Darton, Barnsley

DRAWING TITLE

Whole Site Tree Plan - Trees Graded As Per BS5837

A Whitehead Associates Ltd

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FILE NAME		SCALE	
DRAWN A Whitehead	DATE	CHECKED	DATE
DRAWING 5974 Sheet 1		REVISION 1	DATE 25.02.09

Landscape Masterplan

BP4L_DAR_AWP_DR_94_BW_LL_00001 Rev E scale 1:1000@A1 Feb 2009

Barnsley Partnership For Learning

DARTON ALC



LEGEND

- Existing tree planting to be retained. *All trees to be protected to BS 5837:2005*
- Existing structure planting to be retained. All trees to be protected to BS 5837:2005
- Proposed individual tree planting (Heavy and light standards)
- Proposed woodland/structure planting (Including woodland edge mix)
- Proposed shrub planting (Including climbers, grasses/herbaceous and emergent)
- Proposed hedge planting
- Proposed amenity grass areas
- Proposed wildflower areas
- Proposed sports pitch areas
- Proposed pedestrian tarmac areas
- BF Proposed pedestrian tarmac areas with occasional vehicular use
- Proposed vehicular tarmac areas
- Proposed car park bay surfacing (porous system)
- P Proposed porous tarmac to hard games courts
- R Proposed red tarmac areas
- Proposed embankments/earth features
- Proposed feature paving. Large and small unit pavers to be detailed on hard landscape drawings. To be supplied by Marshalls or similar approved.
- Proposed bound gravel areas with small unit paver edge.
- Proposed rolled gravel areas with timber edge.
- Proposed pedestrian crossing
- Proposed ground graphics/edgings
- Trim trail/Orienteering stations
- Proposed covered cycle storage [132no]
- Proposed bus shelters
- Proposed formal/informal seating
- Potential location for tensile structure
- Proposed 2.4m high weldmesh fence with matching vehicular and pedestrian gates.
- Proposed 1.0m high pedestrian guardrail.
- 3m high Tarmac Games Area fence with matching vehicular and pedestrian gates.
- Existing boundary treatments to be retained and repaired or repositioned where necessary.
- 2m high security fencing to prevent pupils access
- 1m high post and wire fence

Notes

1. New junction from Ballfield Lane
2. Main vehicular and pedestrian access point
3. Parent drop-off area
4. Bus drop-off (8no. spaces and 3no. shelters)
5. Main parking area
6. Remainder of parking and drop-off area
7. Screen planting
8. Secondary entrance gate to plaza
9. Pitch and putt area
10. Entrance boulevard
11. Service yard access
12. Potential area for sculpture feature/earth tubes
13. *Feature banding*
14. Disabled parking (4no. spaces)
15. Entrance plaza
16. Energy centre
17. Service yard with bin store
18. Ramp to higher level (construction deliveries)
19. Orchard and fruiting bushes on terraces
20. Kitchen garden
21. Habitat area containing woodland planting, bog garden and wallflowers
22. Construction yard - concrete surface with tarmac edge
23. Quiet courtyard/exhibition area
24. Performance courtyard
25. Humanities garden
26. Art Garden
27. Amphitheater
28. Viewing grandstand covered with tensile structure
29. Repair of existing hard surfacing outside the Sports Pavilion
30. Trim/ecological trail and orienteering stations
31. Medium football pitch (82x49m)
32. Large rugby pitch (94x55m)
33. Synthetic cricket wicket
34. Medium football pitch (82x49m)
35. Existing woodland area retained
36. Long/triple jump with space for high jump equipment
37. 2no. shot/discus circles
38. 2 x rounders field, location and size of outfield as requested by school
39. Large football pitch (103x59m)
40. Medium football pitch (82x49m)
41. Athletics track - 400m, 6 lanes
42. Existing habitat area to be enhanced in conjunction with school
43. Disabled parking to Sports Pavilion - 7no. spaces
44. Existing ramp retained
45. Existing hard surface retained - potential skateboard area
46. Existing glacis for rounders retained
47. Soft play area
48. Active hard play area with court markings
49. Tensile canopies - 3no.
50. Hard play area for quiet activities and also used as maths/science courtyard
51. Proposed cycle parking - 132no. cycles
52. Hard games courts (6no. tennis/8no. basketball/2no. 5-a-side)
53. Existing public right of way
54. Existing synthetic turf pitch
55. Science garden
56. SEN garden
57. Farmers access with timber gates
58. Potential bandstand/canopy
59. Existing Substation to be retained
60. Existing access road to be retained
61. 2m Security fencing to prevent pupil access
62. Traversing wall, footholds no higher than 600mm
63. Hardstanding for future greenhouse/garden tool store

TYPICAL PLANTING PALETTE

Individual large trees to entrance plazas and key areas
Heavy Standards - Girth to be 16-18cm

- *Acer platenoides spp*
- *Alnus cordata*
- *Betula pendula spp*
- *Carpinus betulus fastigiata*
- *Fagus sylvatica*
- *Quercus robur*
- *Tilia platyphyllos*
- *Sorbus aucuparia spp*
- *Sorbus intermedia spp*

Individual trees to carparks and other areas
8-10cm girth - Light Standards

- *Acer spp*
- *Betula spp*
- *Prunus spp*
- *Sorbus spp*
- *Tilia spp*

Woodland/Structure Planting

- *Acer pseudoplatanus*
- *Alnus cordata*
- *Fraxinus excelsior*
- *Pinus sylvestris*
- *Prunus avium*
- *Quercus robur*
- *Sorbus aucuparia*
- *Sorbus intermedia*
- *Tilia cordata*

Woodland Edge Planting

- *Acer campestre*
- *Cornus alba*
- *Corylus avellana*
- *Crataegus monogyna*
- *Ilex aquifolium*
- *Rosa canina*
- *Rosa rugosa*
- *Salix spp*
- *Viburnum opulus*

Structure and woodland edge planting to be established at 1.5m² size generally to be 60-90cm high and bare root.

Native Hedge Planting

- *Acer campestre*
- *Cornus alba*
- *Corylus avellana*
- *Crataegus monogyna*
- *Ilex aquifolium*
- *Rosa canina*
- *Rosa rugosa*
- *Salix spp*
- *Viburnum opulus*

Formal Hedge Planting

- *Fagus sylvatica*
- *Carpinus betulus*

All hedge planting to be planted in double staggered rows 300mm apart and at 300mm centres

Shrubs
For courtyards, entrances and educational value
Typically 30-40cm high in 3L Containers

- *Berberis spp*
- *Buddleia spp*
- *Choisya spp*
- *Cornus spp*
- *Corylus spp*
- *Cotoneaster spp*
- *Cystus spp*
- *Escallonia spp*
- *Hebe spp*
- *Hedera spp*
- *Hydrangea spp*
- *Pinus spp*
- *Prunus spp*
- *Rosa spp*
- *Lavandula spp*
- *Lonicera spp*
- *Phormium spp*
- *Prunus laurocerasus*
- *Linum usitatissimum*
- *Humulus lupulus*
- *Sparticum junceum*
- *Phormium tenax*
- *Salix sp*
- *Ribes sp*
- *Hippophae rhamnoides*
- *Camelia sp*
- *Elaeagnus x ebbingei*
- *Malva Moschata*
- *Amelanchier sp*
- *Allium sp*
- *Mentha officinalis*
- *Ginko biloba*
- *Cornus sp*
- *Bamboo (various)*
- *Rhus vernicifua*
- *Vitis sp*
- *Camellia sp*
- *Rheum sp*
- *Hamamelis virginiana*
- *Symphytum officinale*

Climbers
20-30cm - 3L Containers - Planted at 6 per m²

- *Clematis spp*
- *Hydrangea spp*
- *Hedera spp*
- *Parthenocissus spp*

Bulb Planting
Planted for seasonal variety at 30 per m²

- *Narcissus, crocus spp*

Emergent Planting
Appropiate species for bog gardens and ponds will be used and sited where these features are developed for either attenuation or as a learning resource.

Grass, Wildflower Seed Mixes

- British Seed Houses Amenity Mix A24 Wear and Tear at recommended rate of 35 gms/m² or similar approved.
- Wildflower Seed
- British Seed Houses WFG9 wetland areas. British Seed Houses WFG15 (Countrylife) all to be sown at 5gms/m²

Herbaceous and Ornamental Grasses
Typically 30-40cm in 3L containers

- *Bergenia spp*
- *Carex spp*
- *Euphorbia spp*
- *Festuca spp*
- *Geranium spp*
- *Hosta spp*
- *Phyllostachys spp*
- *Sasa spp*
- *Stipa spp*

Site Furniture type and location to be agreed with the school.		
Benches	Chantry Standard by Broxap, and/or WMB/6 by Wybone	25 No.
Litter Bins	Derby Slimline by Broxap, and/or MV/40 by Wybone	20 No.
Picnic tables	Triangula Timber Table by Schoolscapes	10 No.
Bollards	Broxap BX14 6501B2-RT	15 No.

All products to be similar or approved.
Galvanised and polyester powder coated to an approved colour

NOTE
All doorways to have level access.
Manholes in paving to have recessed covers.

N

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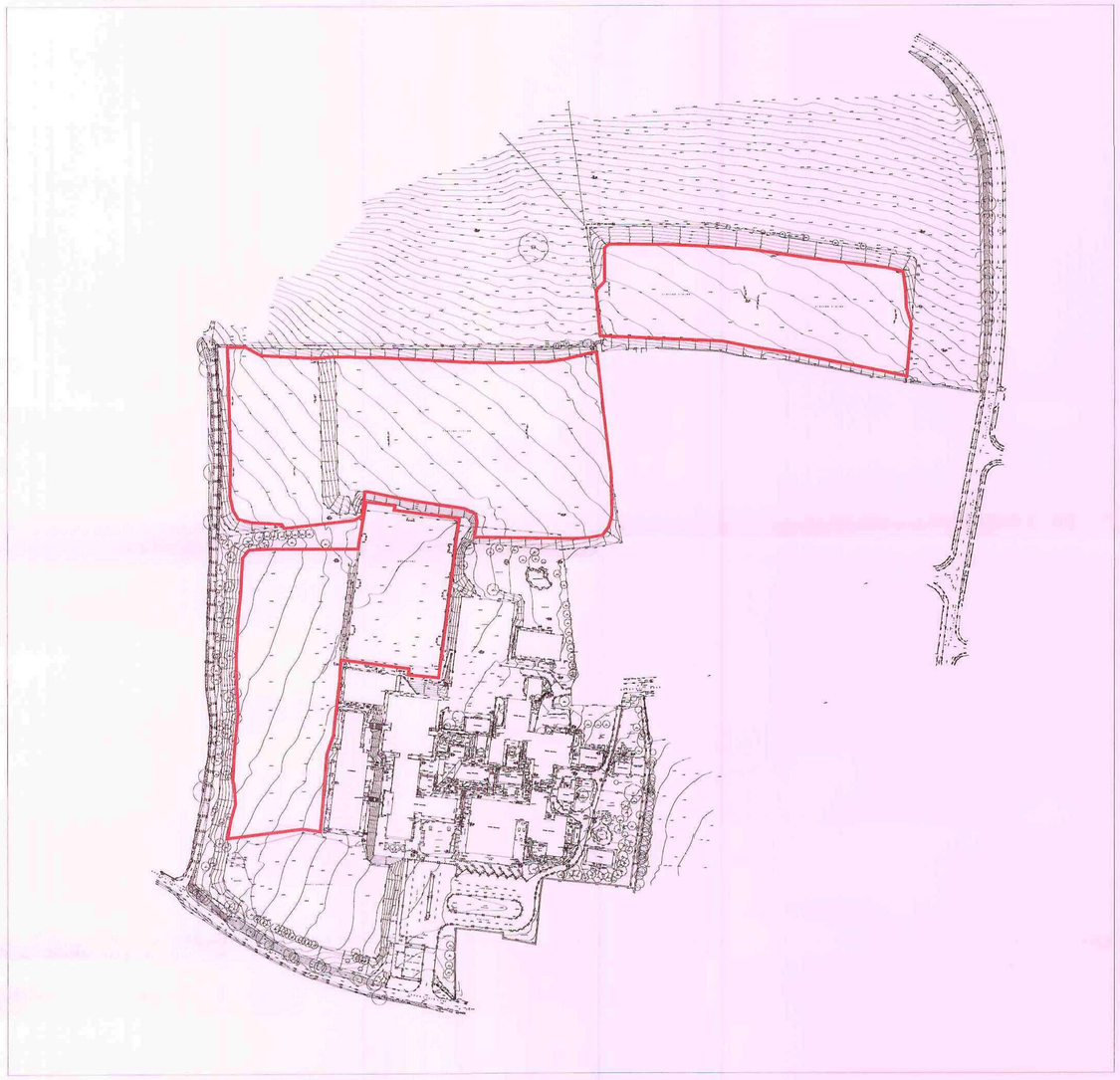
Existing and Proposed Playing Field Areas

BP4L_DAR_AWP_DR_94_BW_LL_00009 Rev B scale 1:2000@A1 january 2009

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Existing Sports Pitch Area - 58,115m²

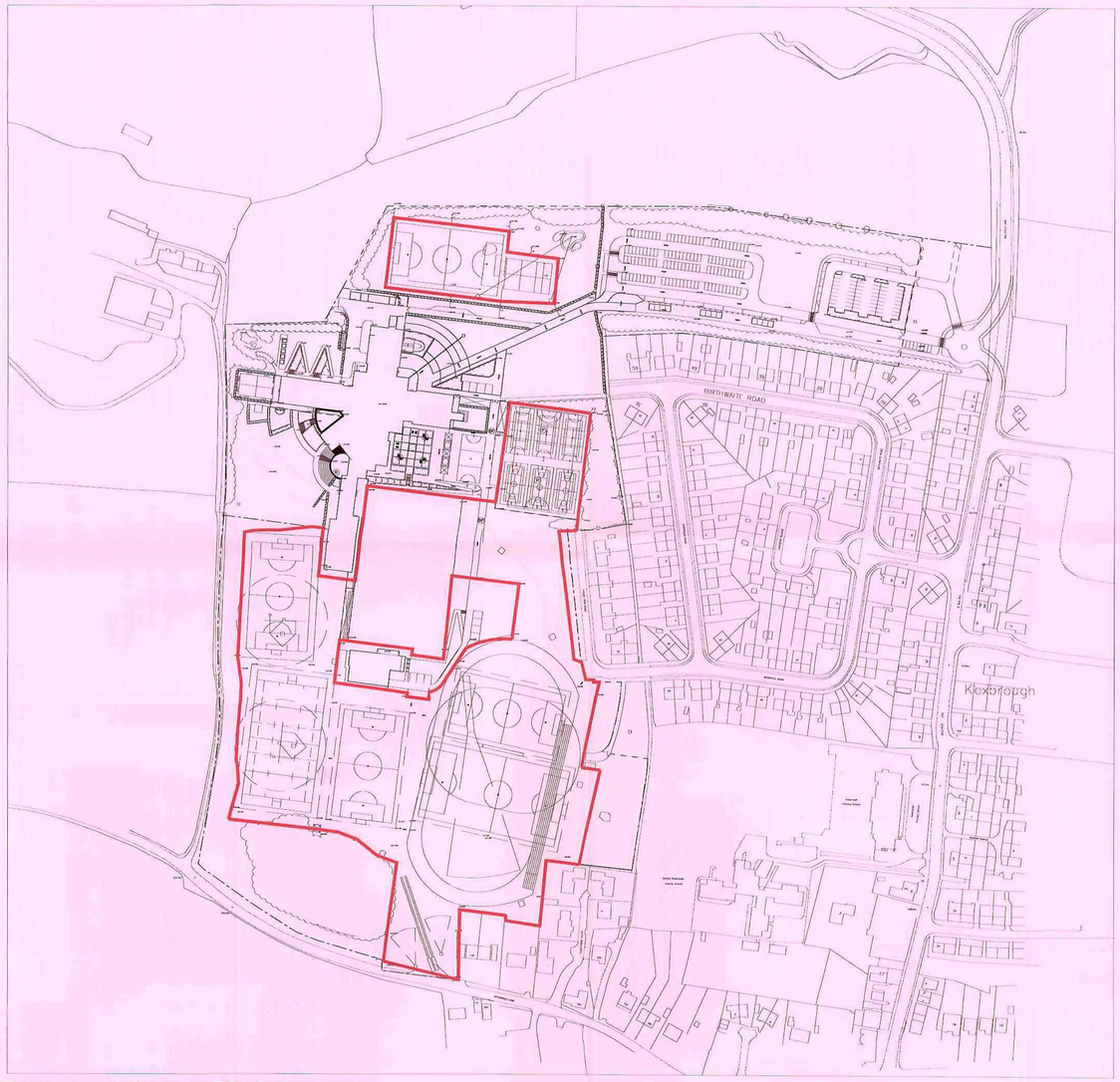


Existing Sports Pitch Layout

7 no. football/rugby pitches
Synthetic turf pitch
Shot put pitch (disused)

NB: Information taken from aerial photographs, topographical survey and site visits

Proposed Sports Pitch Area - 58,158m²



Proposed Sports Pitch Layout

4 no. football pitches
1 no. rugby pitches
1 no. rounders
1 no. cricket pitch
1 no. 400m athletics track
Training grids
Trim trail

Space for high jump
2 no. shot put/discus
2 no. long/triple jump
1 no. synthetic turf pitch
Putting green/pitch and putt
Hard games courts -
(6 no. basket/netball, 6 no. tennis, 2 no. five-a-side)

Revision Notes

A	23.02.09	Alterations to Playing Field Areas due to comments received from Sport England (SLL)
B	25.02.09	Addition of proposed playing field area to north of school. Figures amended accordingly (SLL)

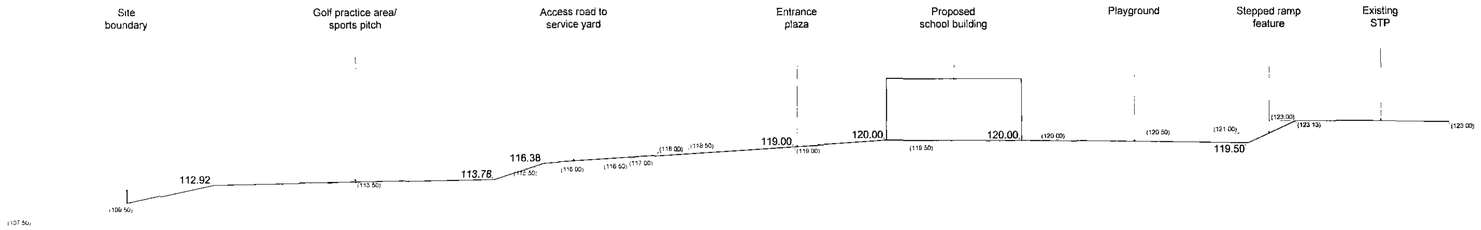
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Site Sections

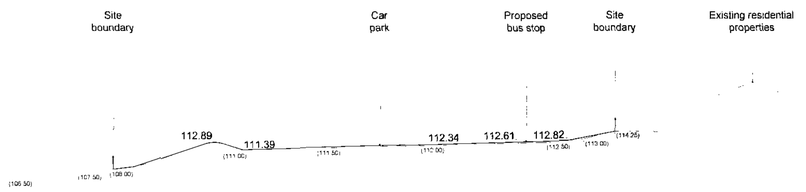
BP4L_DAR_AWP_DR_94_BW_LL_00007 Rev B scale 1:500@A1 December 08

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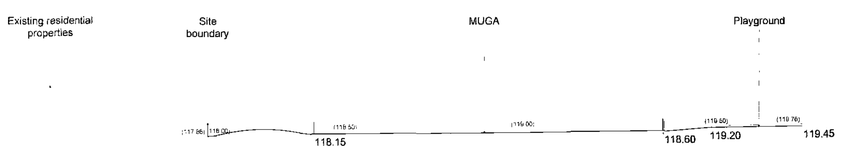
DARTON



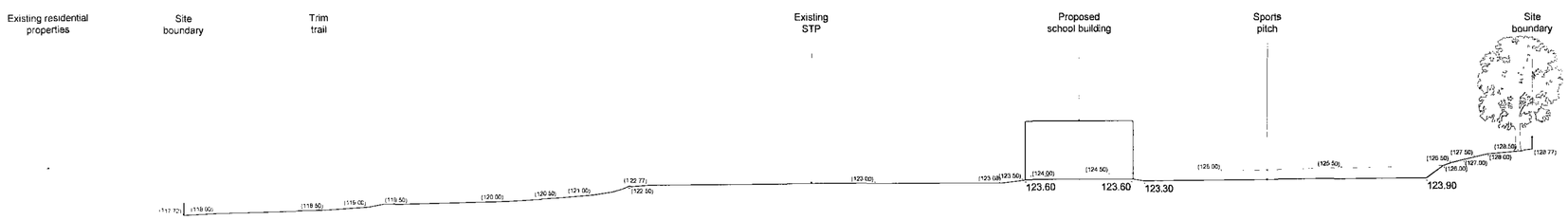
Section A-A



Section B-B



Section C-C



Section D-D



Section E-E

NOTES
Existing section lines shown dashed.
Proposed section lines shown solid.
Existing spot levels shown in brackets.
Proposed spot levels shown without brackets.
Existing trees shown indicatively.



Location Plan - Not to scale

Rev: A 25-02-09 Section B-B revised in line with AWP sketch DAR_SK30, mound shown adjacent to MUGA on section C-C. (DH)
Rev: B 26-02-09 Amendments to section A-A to include level area as per Sport England comments. (DH)

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Tree Protection Plan

BP4L_DAR_AWP_DR_94_BW_LL_00006 Rev D scale 1:1000@A1 December 08

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DARTON

LEGEND

Existing Trees to be retained and Root Protection Zone To be protected in accordance with BS5837:2005

Existing Trees/hedge to be removed

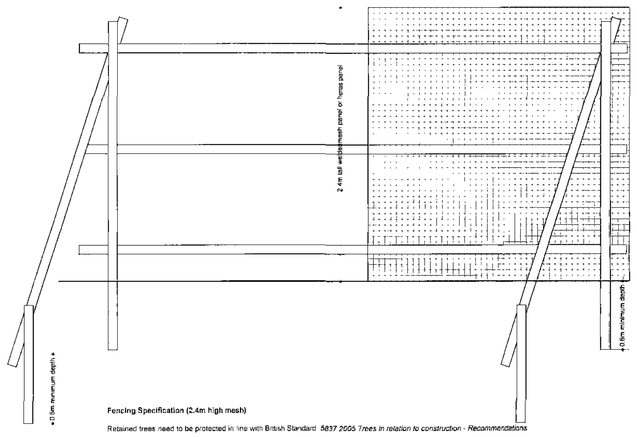
Proposed Tree Planting.

2.4m high Tree Protective Fencing (to BS5837:2005 standards)

NB Some lengths of fence may be downgraded to chestnut pale fence where existing vegetation is not at risk from construction works. To be agreed with Barnsley MBC Landscape Officer on site.

The fenceline shown is the minimum and may need extending in light of further site/tree survey information, and as directed by BMBC.

Where construction works are required close to, or within the Root Protection Zones, details in accordance with BS5837:2005 will be provided to the BMBC Landscape Officer for comment and approval prior to commencement on site.



Fencing Specification (2.4m high mesh)

Retained trees need to be protected in line with British Standard *5837:2005 Trees in relation to construction - Recommendations*

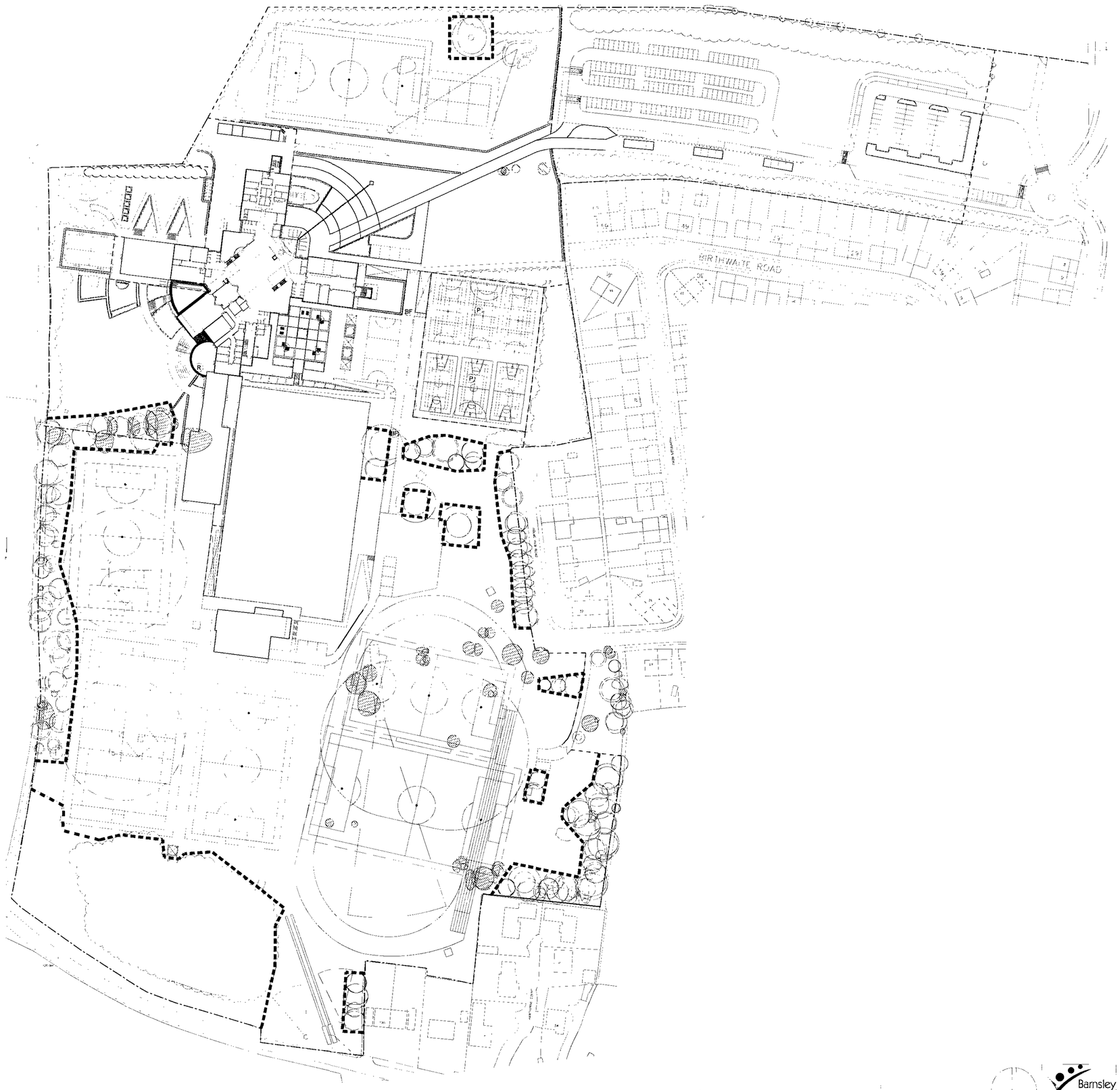
The fencing/barriers will be erected prior to construction and will remain until construction activities have been completed. The root protection area will be considered sacrosanct and will not be removed or altered without prior recommendation by an Arboriculturalist and approval of the local planning authority.

The fencing/barrier will consist of a vertical and horizontal framework of scaffold tubing which is adequately braced to resist impacts. The vertical scaffold tubes will be placed at a distance not exceeding 3m apart. The weldmesh or Heras panels will be 2.4m tall and securely attached to the scaffold framework with wire or scaffold clamps. The wire or scaffold clamps will be secured on the inside of the barrier to avoid easy dismantling.

No fixing will be made to any tree and appropriate measures will be taken to prevent damage to tree roots when locating the posts. All types of barriers wil be firmly attached to prevent movement by site personnel or vehicles and all weather signs with the wording "Construction exclusion zone- keep out" will be attached.

Fencing will be regularly inspected for damage or loosening of fixings and repaired promptly.

TREE PROTECTION FENCING - 2.4M HIGH MESH



Rev: A 27-01-09 Omission of Chestnut pale fencing (AC)
Rev: B 25-02-09 Amendments to location of protective fencing following receipt of Arboricultural survey. (DH)
Rev: C 26-02-09 Amendments to golf practice area in line with Sport England comments. (DH)
Rev: D 26-02-09 Amendments to key. (SLL)

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