Landscape Masterplan

BP4L_PEN_AWP_DR_94_BW_LL_00001 Rev B scale 1:1000@A1 january 2009

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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
- Proposed structure planting
- Proposed shrub planting
- Proposed hedge planting
- Proposed amenity grass areas
- Proposed wildflower areas
- Proposed sports pitch areas
- Proposed pedestrian tarmac areas
- Proposed vehicular tarmac areas
- Proposed car park bay surfacing (porous system)
- Proposed porous tarmac to hard games courts
- 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
- 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 where necessary.
- x64.810 Indicative proposed levels.
- (163.000) Existing levels retained.

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Notes

1. Main vehicular access (cars only) - bollard controlled
2. Main pedestrian access with raised pedestrian crossing
3. Access for bus drop-off and service vehicles - bollard controlled
4. Car park (220no. spaces incl. disabled)
5. Disabled parking bays
6. 9us drop-off (12no. spaces)
7. Pedestrian avenue from bus drop-off area
8. Exhibition green
9. Parent drop-off area
10. Meeting area
11. Area for potential bus shelter/canopies
12. Re-inforced grass for fire tender access
13. VI form entrance
14. Main entrance plaza
15. Bridge over to sports facilities
16. Service yard
17. Timeline features
18. External dining terrace
19. South entrance plaza/social space
20. South access - step and ramp feature
21. Covered cycle storage (168no. spaces in total)
22. Southern entrance gateway
23. Feature tree planting on ramps
24. Technology/construction yard
25. Hard play area with ground graphics showing courts and games
26. Earth sculpted giant grass steps
27. Wilderness trail path
28. Wildflower meadow
29. Swale/bog garden
30. Orchard
31. Biomass banks - willow and hazel
32. Area for potential tensile structure
33. Potential for displays/artworks on retaining walls
34. Greenhouse
35. Outdoor performance area with tensile structure
36. Outdoor classroom with raised planter seating
37. Sheltered seating area
38. Ground graphics representing local field patterns
39. Well-being garden
40. Feature tree and earth feature/mound
41. Sixth form area
42. Lift access to sports facilities from bridge
43. Synthetic turf pitch
44. Proposed hard games courts (6no. tennis/6no. basketball/2no. 5-a-side)
45. Proposed hard games court (1no. tennis)
46. Trimtrail/Orienteering stations
47. Large football pitch (91x50m)
48. Training grids
49. Long/triple jump and area for high jump
50. Shot put/discus circles
51. Rounders
52. Javelin
53. Medium football pitch (82x55m)
54. Athletics track - 8 lanes, 400m
55. Medium rugby pitch (88x46m)
56. Cricket pitch
57. Small football pitch (70x40m)
58. Area of hardstanding for parking at remote pitches

Site Furniture type and location to be agreed with the school.

Benches	Chantry Standard by Broxap , and/or WMB/6 by Wybone	30 No.
Litter Bins	Derby Slimline by Broxap , and/or MV/40 by Wybone	25 No.
Picnic tables	Triangula Timber Table by Schoolscapes	15 No.
Bollards	Broxap BX14 650182-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.

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Elevations & Sections (scale 1:250 @ A1)

BP4L_PEN_ATK_DR_06_BW_LL_102_A Jan 2009

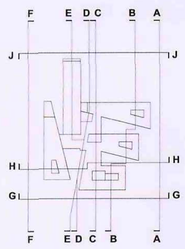
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PENISTONE ALC







0 5 10 15 20 25 50

MATERIALS KEY

1. coloured insulated render
2. split faced blockwork base
3. split faced blockwork retaining walls
4. coloured insulated metal roof
5. coloured aluminium gutters and RWPs
6. coloured aluminium glazed windows and doors with coloured aluminium render trims
7. coloured aluminium panels and louvres
8. coloured metal doors

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Elevations & Sections (scale 1:250 @ A1)

BP4L_PEN_ATK_DR_06_BW_LL_101_A Jan 2009

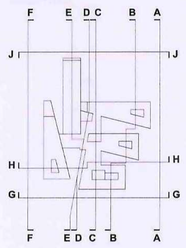
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PENISTONE ALC







0 5 10 15 20 25 50

MATERIALS KEY

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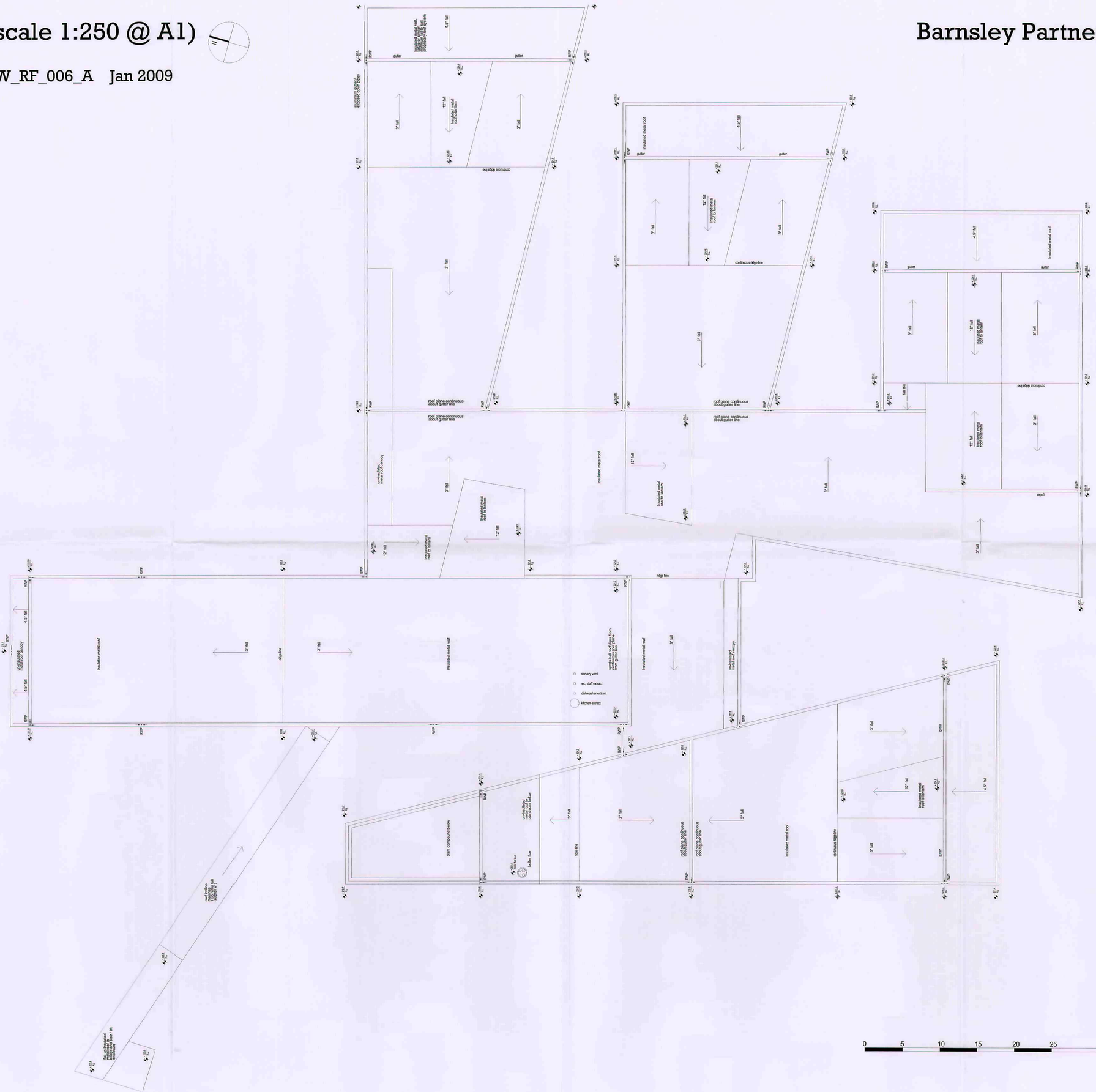
Roof Level Plan (scale 1:250 @ A1)

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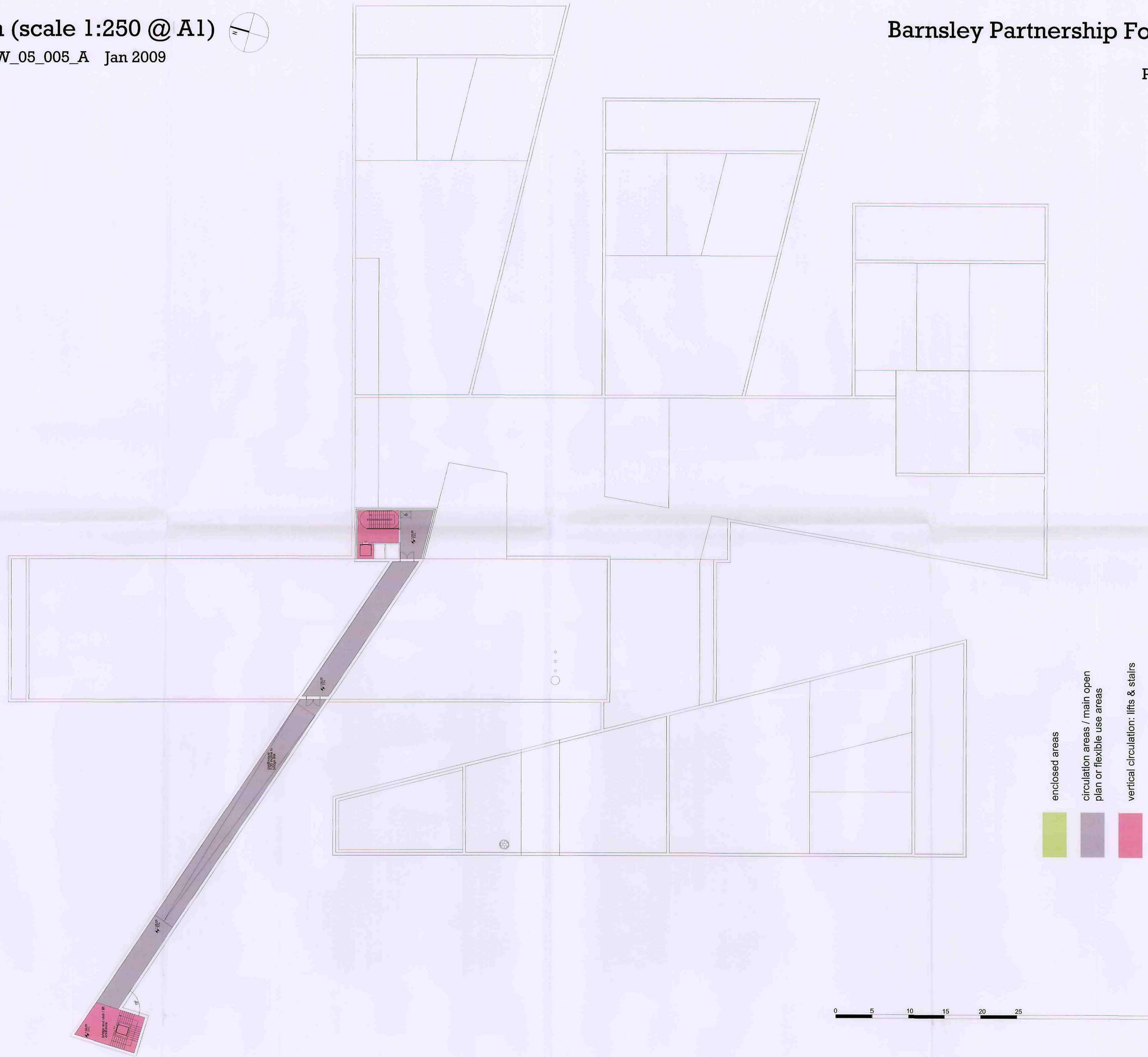
Bridge Level Plan (scale 1:250 @ A1)

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Level 04 Plan (scale 1:250 @ A1)

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Level 03 Plan (scale 1:250 @ A1)

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enclosed areas

circulation areas / main open plan or flexible use areas

vertical circulation: lifts & stairs

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Level 02 Plan (scale 1:250 @ A1)

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enclosed areas

circulation areas / main open plan or flexible use areas

vertical circulation: lifts & stairs

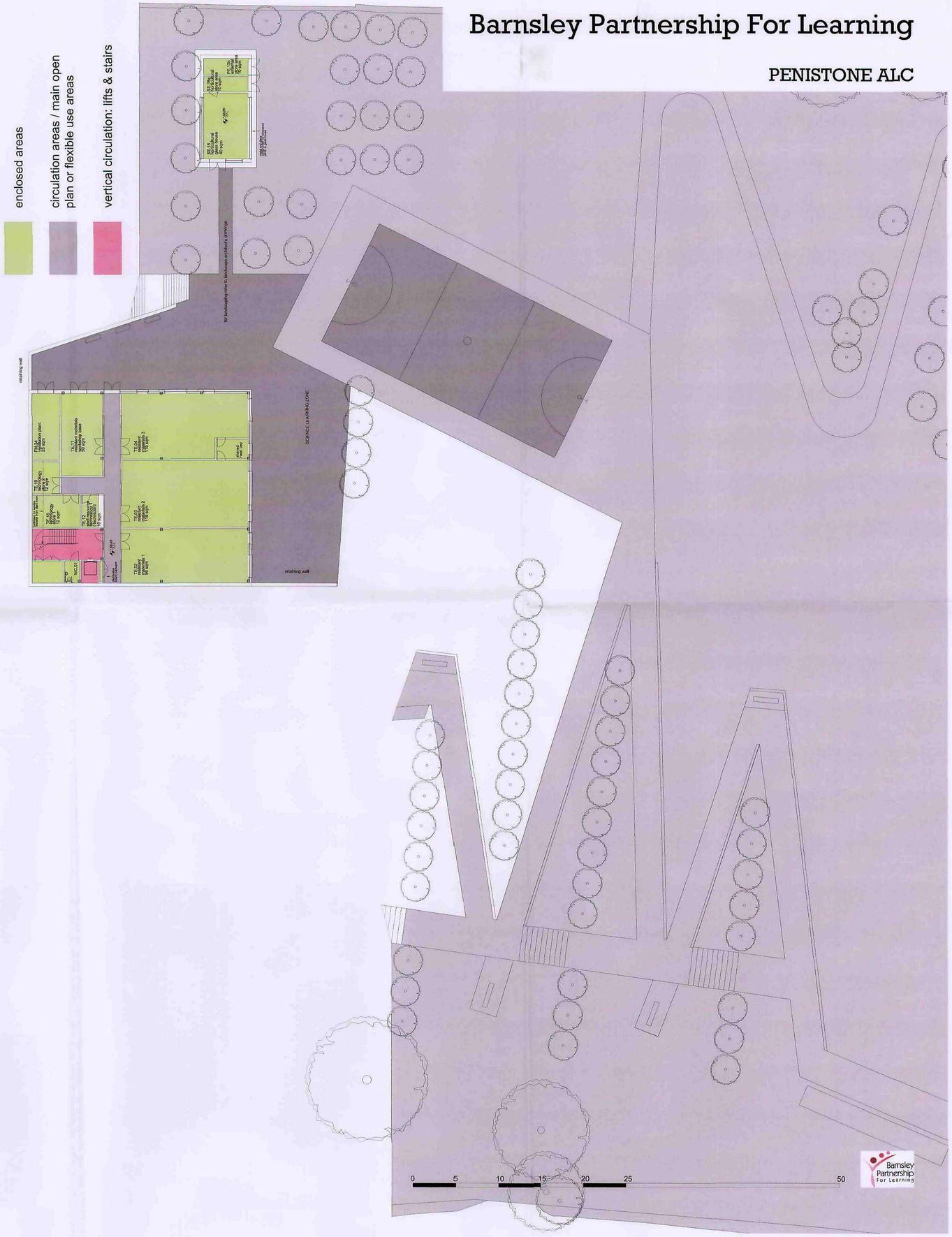
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Level 01 Plan (scale 1:250 @ A1)

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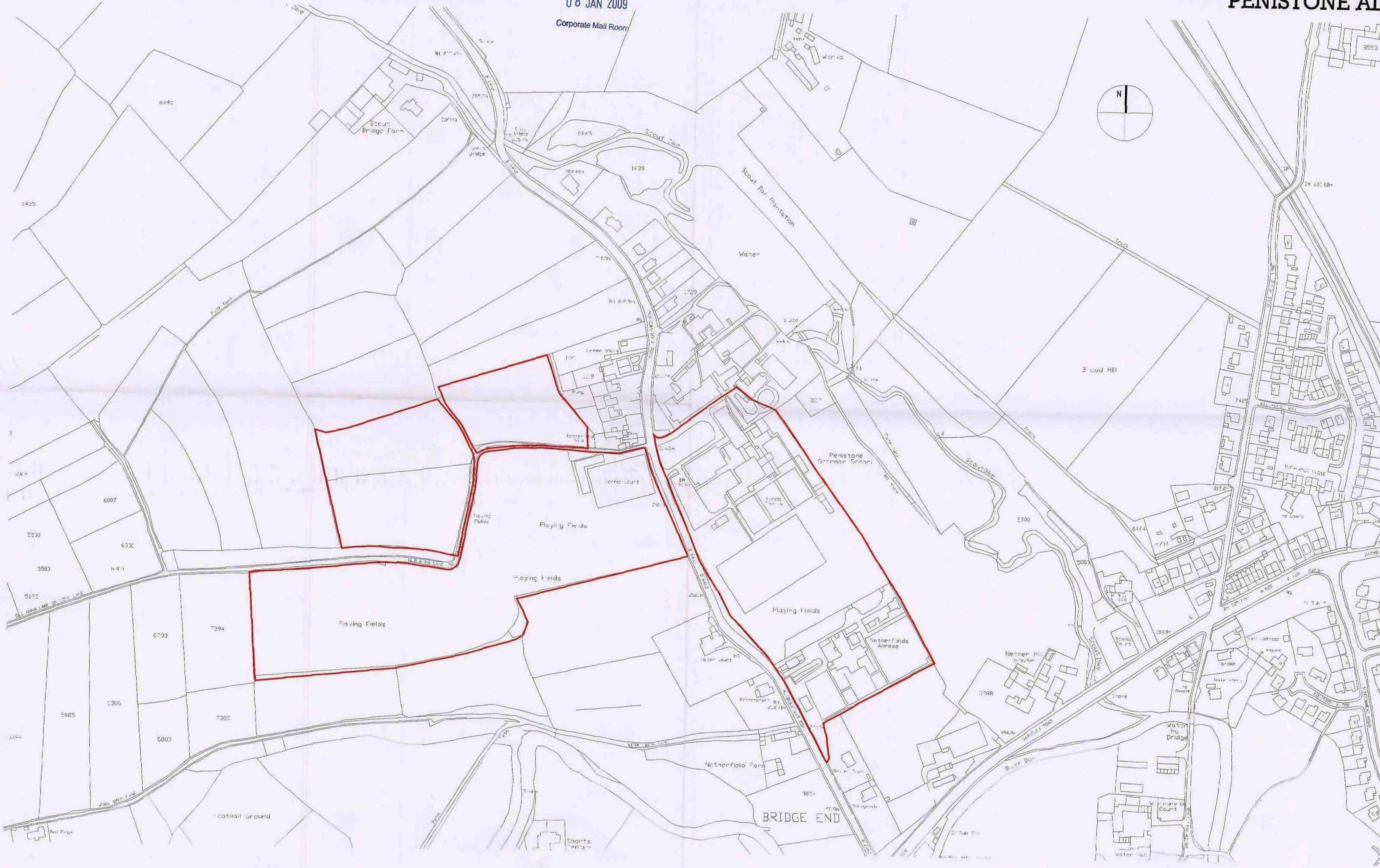
Site Location Plan (scale 1:2500 @ A2)

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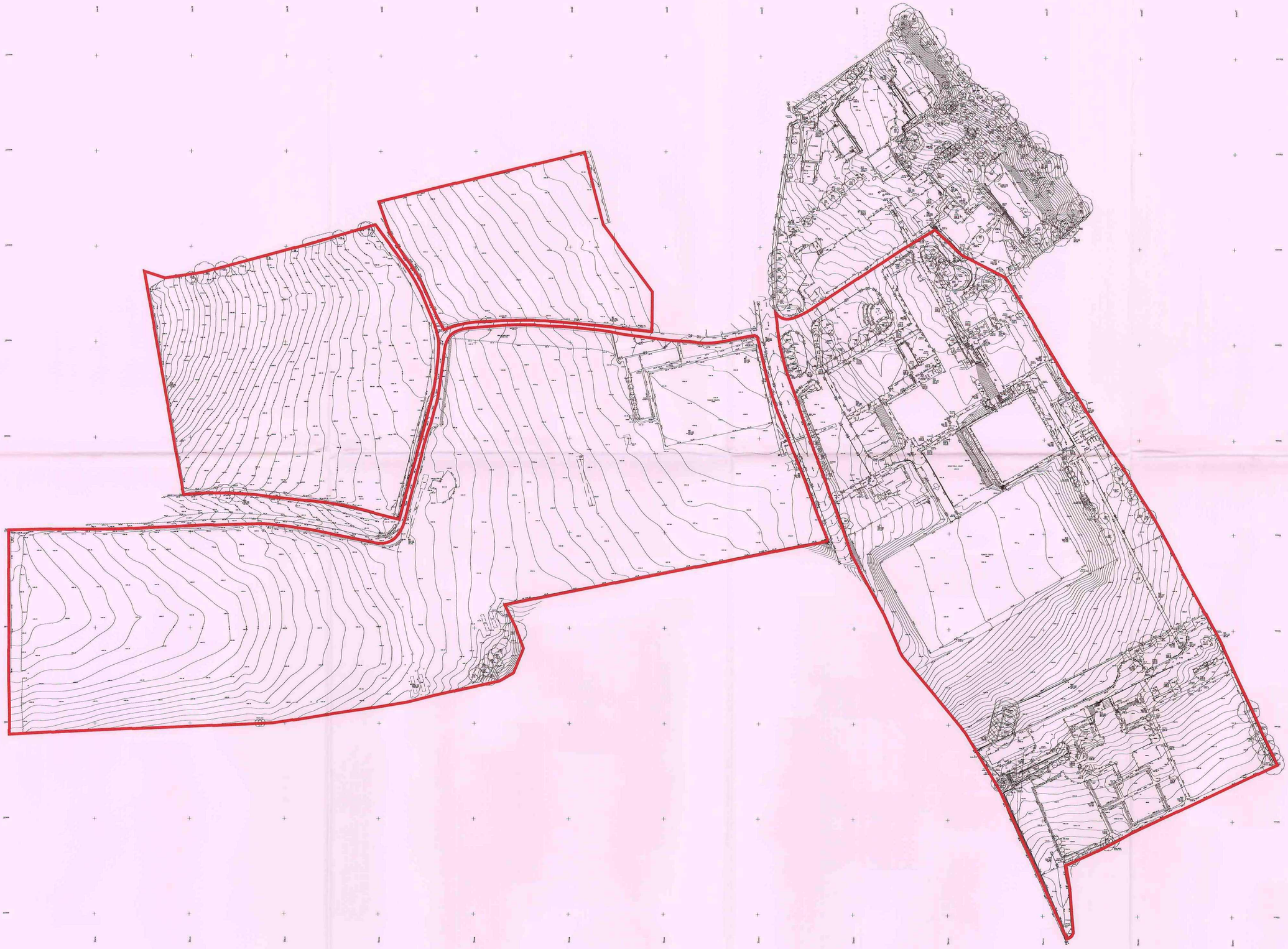
Existing Topographical Survey

BP4L_PEN_AWP_DR_94_BW_LL_00006 scale 1:1000@A1 December 08

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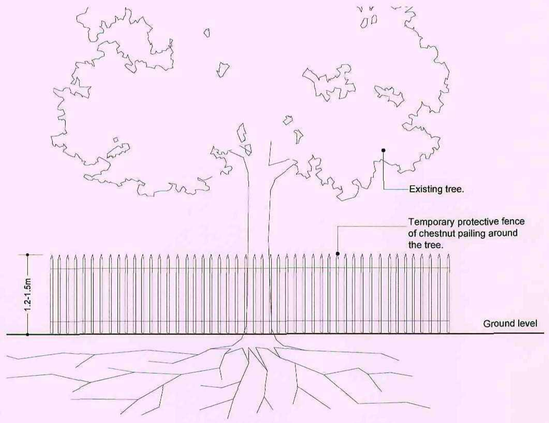
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Tree Protection Plan

BP4L_PEN_AWP_DR_94_BW_LL_00007 Rev A scale 1:1250@A1 january 09

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SPECIFICATION (1.2m high Chestnut Pale)

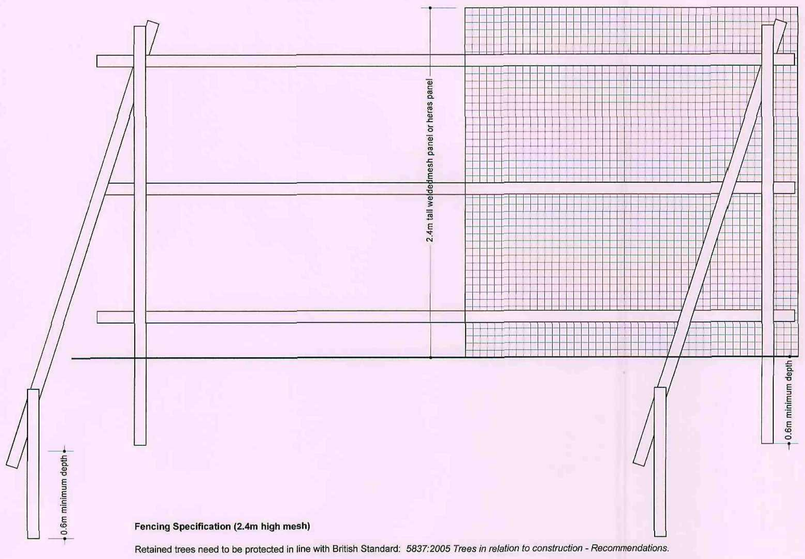
1.2m Chestnut Pale
To be protected by 1.2m high Chestnut pale fence supported by 1800x100mm half round untreated posts at 1800mm centres, 2no. 38x87mm rails. Chestnut paling fixed to rails.

All protective fencing to be erected prior to demolition and shall remain in place to the satisfaction of the LPA, until development works have been completed or as agreed with LPA in writing.

NOTES

Prior to the commencement of any work whatsoever, or any materials being brought on site, existing trees to be retained are to be protected from damage by a 1.2-1.5m high cleft chestnut fence or similar. This shall be maintained in good and effective condition until the work is completed.
The protective fencing is to coincide, as far as is practical, with the spread of the branches and in accordance with BS 5837 'Trees in relation to construction'.
The following measures are particularly important:
a) Materials are never to be stacked within the root spread of the tree;
b) No oil, tar, bitumen, cement or other material is to be allowed to contaminate the ground within the root spread of the tree;
c) No fires shall be lit beneath or in close proximity to the tree canopy;
d) Trees to be retained should not be used as anchorages for equipment or for removing stumps, roots or other trees, or for other purposes;
e) No notices, telephone cables or other services should be attached to any part of the tree;
f) Cement mixing should not be carried out within the canopy/protected area of the tree;
g) Soil levels are to be maintained as existing within the root spread of the tree.
Any alteration to soil levels in an area up to one and a half times the diameter of the tree canopy must be agreed with the landscape architect.

TREE PROTECTION FENCING - 1.2M HIGH CHESTNUT PALE



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

LEGEND

- Existing Trees to be retained
- Existing Trees to be removed
- Proposed Tree Planting.
- Tree protection fencing 1.2m high Chestnut pale.
- Tree protection fencing 2.4m high mesh (or existing fence if suitable)

The requirements of BS5837:2005 trees in relation to construction are to be adhered to with particular reference to:

9.3 Ground Protection.

9.3.1) Where it has been agreed during the design stage, and shown on the tree protection plan, that vehicular or pedestrian access for the construction operation may take place within the root protection area(RPA), the possible effects of construction activity should be addressed by a combination of barriers and ground protection. the position of the barrier may be shown within the RPA at the edge of the agreed working zone but the soil structure beyond the barrier to the edge of the RPA should be protected with ground protection.

9.3.2) For pedestrian movements within the RPA the installation of ground protection in the form of a single thickness of scaffold boards on top of a compressible layer laid onto a geotextile.

9.4 Additional Precautions Outside The Exclusion Zone

9.4.1) Once the exclusion zone has been protected by barriers and/or ground protection, construction work can commence. All weather notices should be erected on the barrier with words such as:

"Construction exclusion zone - Keep Out"

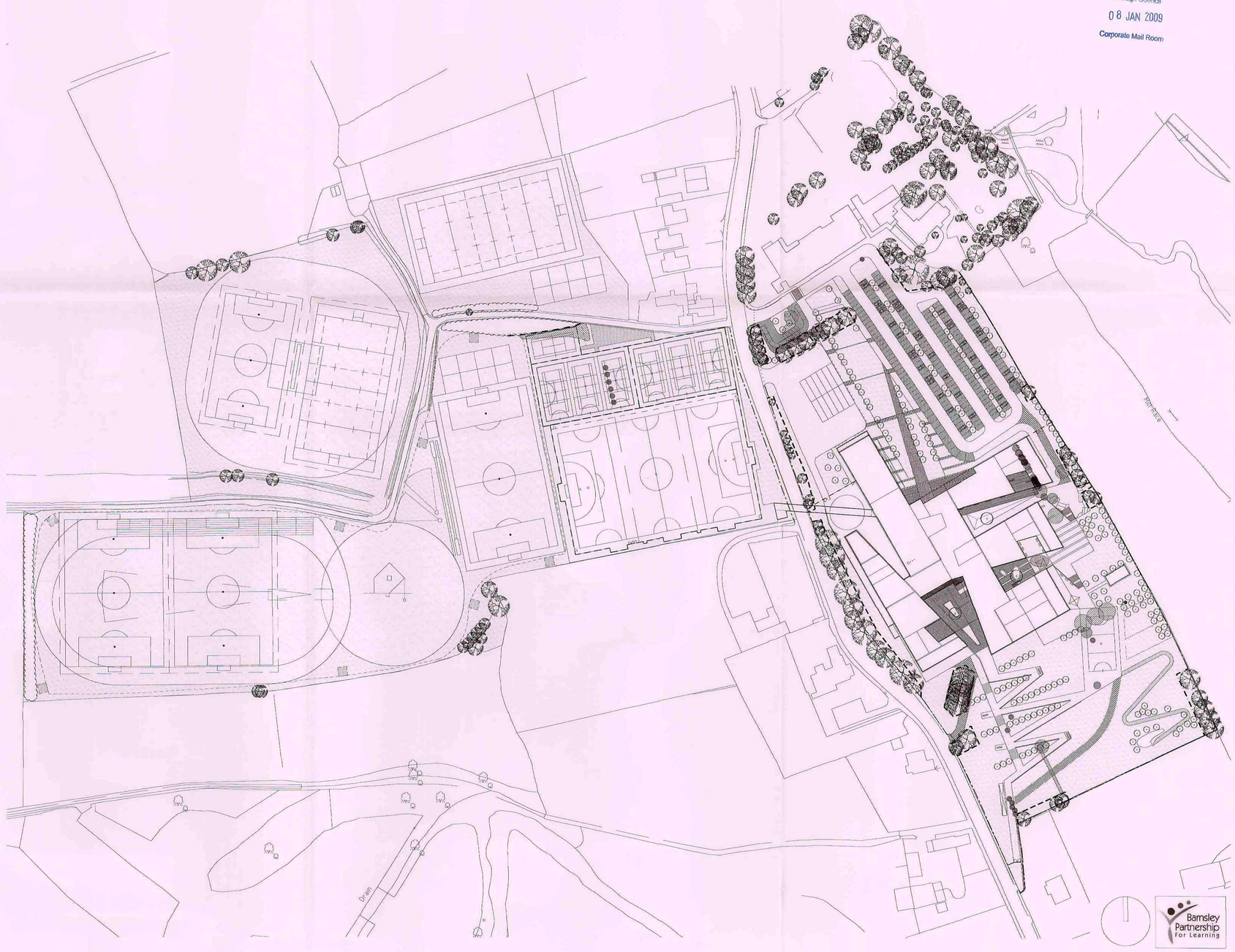
9.4.2) In addition the following should be addressed or avoided.

a) Care should be taken when planning site operations to ensure that wide or tall loads, or plant with booms, jibs and counterweights can operate without coming into contact with retained trees. Such contact can result in serious damage to them and might make their safe retention impossible. Consequently, any transit or traverse of plant in close proximity to trees should be conducted under the supervision of a banksman to ensure that adequate clearance from trees is maintained at all times. In some circumstances it may be impossible to maintain adequate clearance thus necessitating access facilitation pruning.

b) Material which may contaminate the soil, e.g. concrete mixing, diesel oil and vehicle washings, should not be discharged within 10m of the tree stem.

c) Fires should not be lit in a position where their flames can extend to within 5m of the foliage, branches of trunk. This will depend on the size of the fire and the wind direction.

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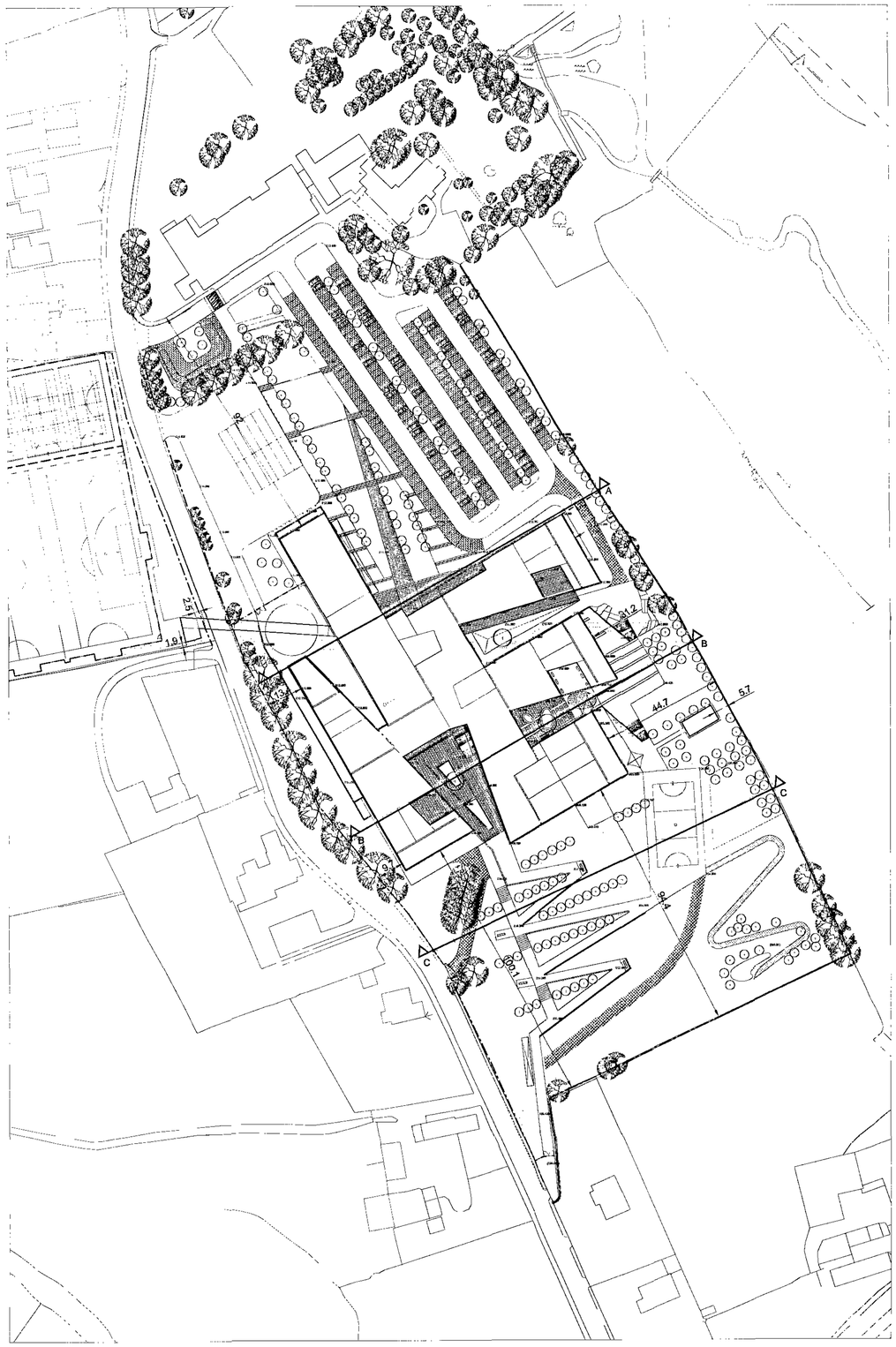
Site Sections

BP4L_PEN_AWP_DR_94_BW_LL_00008 Rev A scale 1:500@A1 january 09

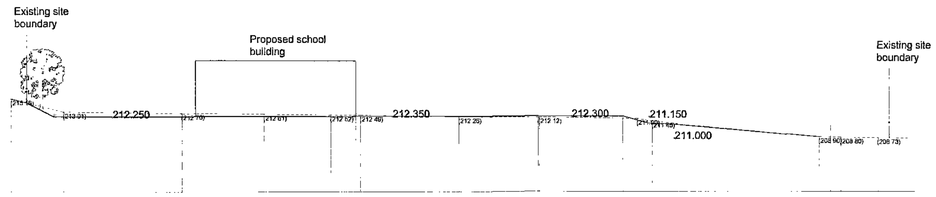
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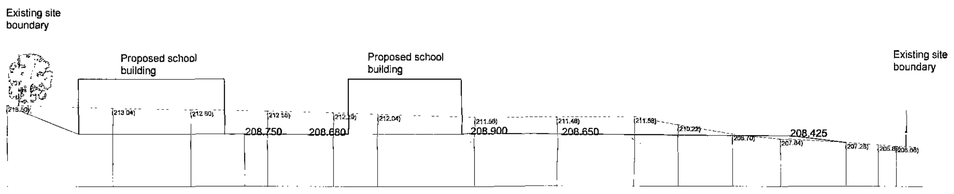
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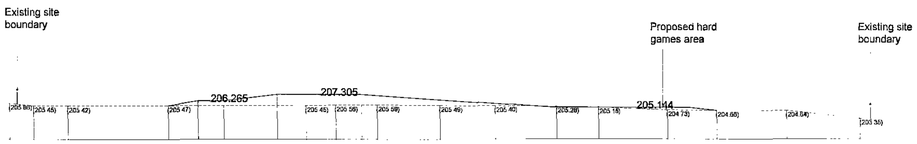
Location Plan - 1:1000



Section A-A



Section B-B



Section C-C

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

1:1000@A1 january 2009

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LEGEND

- Main entrance
- Staff/pupil secor
- Staff and visitor ve
- Parent drop-off
- Service vehicles
- Fire tender access
- Pedestrian access
- Main entrance plaza
- Secondary entrance plaza
- General play/gathering area
- Service area

Scout Dike

Dran

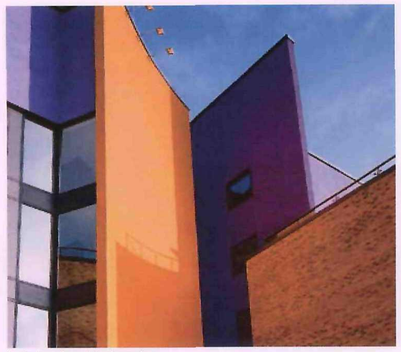
Design Development: Elevations (scale nts@A1)

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BP4L_PEN_ATK_DR_07_BW_LL_200_A

Jan 2009

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1. Colour insulated render



2. Split faced blockwork base



3. Split faced blockwork retaining wall



4. Colour aluminium metal roof



5. Coloured aluminium gutters and RWP's



6. Coloured aluminium glazed windows and doors with aluminium render trims



7. Coloured aluminium panels and louvers



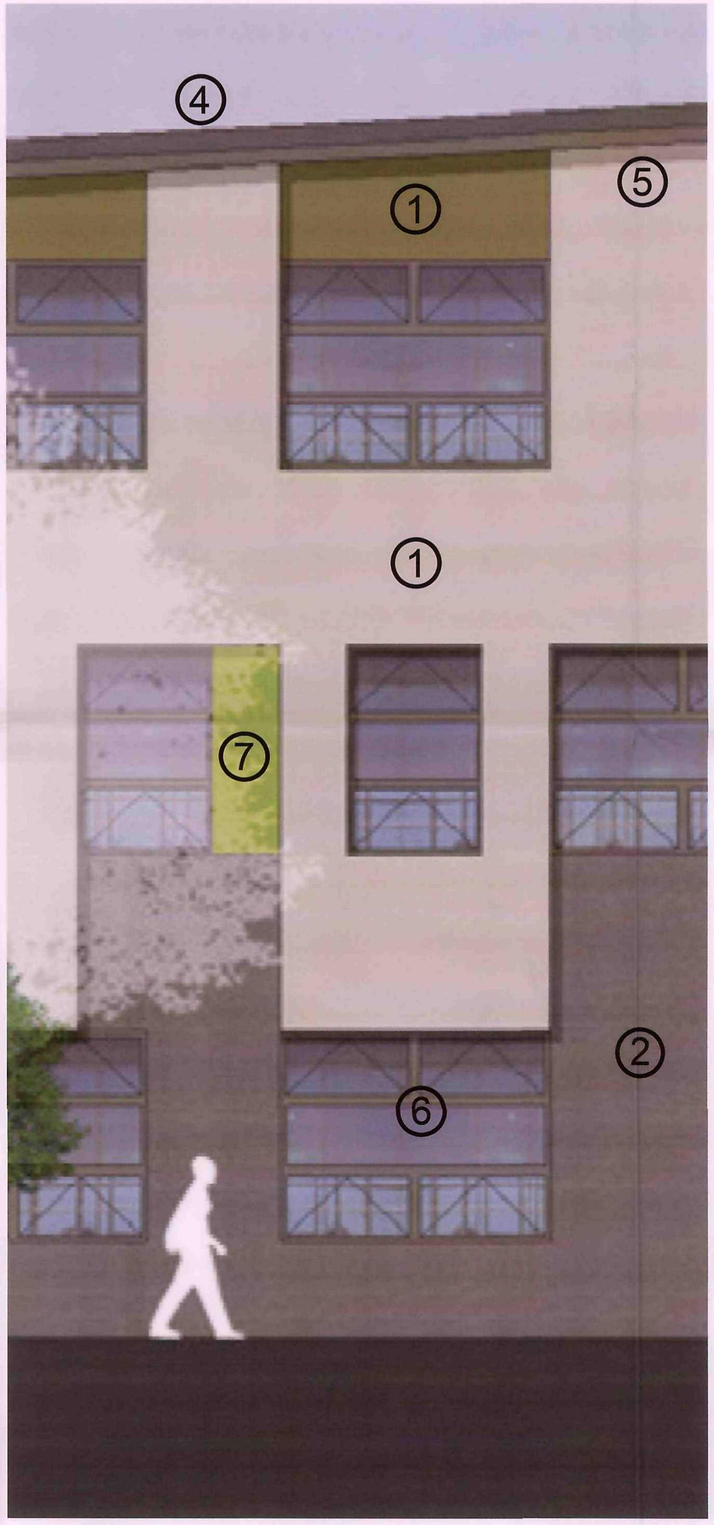
8.Coloured metal doors



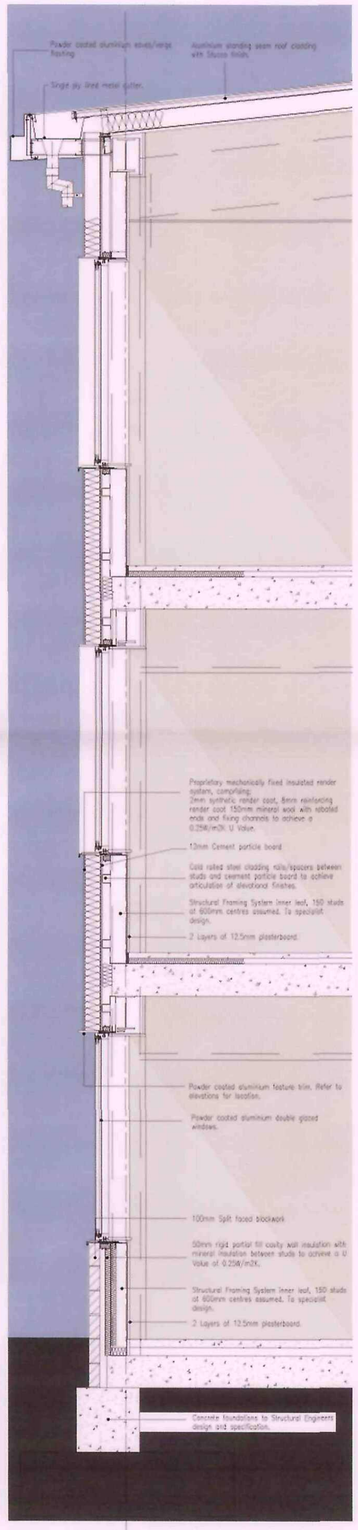
9.Coloured aluminium louvers



north elevation



part elevation



part section

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Elevations & Sections (scale 1:250 @ A1)

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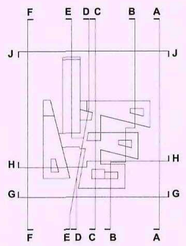
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PENISTONE ALC



J - J



0 5 10 15 20 25 50

MATERIALS KEY

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Elevations & Sections (scale 1:250 @ A1)

BP4L_PEN_ATK_DR_06_BW_LL_104_A Jan 2009

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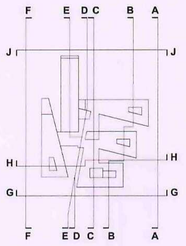
PENISTONE ALC



G - G



H - H



0 5 10 15 20 25 50

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Elevations & Sections (scale 1:250 @ A1)

BP4L_PEN_ATK_DR_06_BW_LL_103_A Jan 2009

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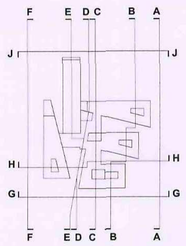
PENISTONE ALC



E - E



F - F



0 5 10 15 20 25 50

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7. coloured aluminium panels and louvres
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