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Malvern Vale Site New 1 Form Entry Primary School Level 2 Feasibility Study

15th May 2015 Project BW10100L / 30102519







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Feasibility Report

Introduction

Jacobs have been commissioned by Worcestershire County Council Property Services to carry out a level 2 feasibility study examining the option of developing a 1FE Primary School on a new site at Swinyard Road Malvern. The site forms part of a community use development and is the subject of a 106 Agreement between Worcestershire County Council, the developer of the surrounding housing (Persimmon Homes) and Malvern Hills District Council (MHDC).

The Site

The site is situated on the suburban fringe of the greater Malvern settlement to the north and west of the Leigh Sinton Road. The site forms part of a larger brownfield development in an area formerly dominated by a military establishment and associated staff housing. The development plan for this area is predominately housing together with some light industrial. The area has also been provided with a site set aside for community facilities of which the proposed school site forms part. This area has been developed with community sports pitches and the Malvern Vale Community Centre.

The Malvern Vale Centre and Pitches

The centre is owned by Malvern Hills District Council. The running of the centre has transferred, (initially for three years) to Worcestershire YMCA on a leasehold nil cost basis. The community centre features two multi-function halls, changing rooms for sport, a bar/café area, kitchen and a 50 Space car park. For a detailed layout of the community centre the reader is directed to indicative plans appended to this report. The site is surrounded on 3 sides by recently developed residential properties and is bounded to the west by agricultural land leading westwards to Mill Coppice. The site generally slopes down towards the northeast. In addition to the area set aside for the school and the existing community centre building, there are two levelled grass pitches 1no 100m x 63m and 1no 50m x 78m (including runoffs).

The existing Malvern Vale Centre features a 50 space carpark, which includes 3no minibus and 3no disabled accessible spaces (refer appendix for RPS Landscape Plan).

Proposed School Site

The site area as a whole, including the area of junior pitch dedicated for school use is 1.028 ha including approximately 0.10 ha of un-levelled ground at the western end of the junior pitch, designated as 'habitat' on the proposed plan. The gross site area is positioned in the middle of the 0.9-1.1 Ha range suggested in Building Bulletin 103 for a 210 pupil capacity school.

The unusual shape generated by the presence of the Vale Centre, essentially dividing the site into two distinct areas, creates a challenge in the detailed landscape design in relating the new building to the field. A public footpath runs along the western site boundary.



The proposed soft PE area (represented by the dedicated junior pitch) at 0.39 ha is slightly below the bulletin standard of 0.42 ha. The terms of the 106 agreement require the client to enter into a joint use agreement with MHDC as a condition of transfer of the junior pitch to WCC. If a degree of access to the neighbouring senior pitch could be included in any joint use agreement, this would greatly enhance the play potential of the site, particularly for KS2.

The site area available for the building, hardplay and hard/soft social spaces is 0.38 ha (3840 m²). The working assumption is for the finished floor level in the new school to be set at the existing level within the community centre. The whole site area will require levelling (refer indicative levels on the accompanying plans). The attached plans indicate a notional single storey building footprint together with outlines of the other principal areas called for in the schedule. Whilst the hard PE and social areas are nominal; the area of soft informal and social space struggles to achieve 85% of the minimum area in the bulletin.

Options for mitigatiing the lack of external space are limited. A two storey arrangement with KS2 on the first floor would relax the site layout marginally but would seem disproportionate given the benefit created.

The existing service track and turning head occupy space, and by narrowing the site tend to drive the overall layout. The kitchen servicing for the proposal is most likely to be from the northeast and maintenance access onto the playground can be achieved in less obtrusive ways. Emergency access to the junior pitch might well be feasible from the joint use carpark. Given the foregoing and subject to the agreement with MHDC it may be possible to remove this altogether and free up space for the school external areas. (this option has not been explored within the attached costs.)

Site Investigation

This report and proposals is prepared using Ordnance Survey and BGS data only.

Given the limited space available for development a limited topographical survey has been undertaken to help underpin the assumptions about space and levels. (see appendix)

Visual inspection of the site has revealed boggy ground within the likely footprint of the building which may indicate either a spring/issue or a leak from an un-marked service (possibly related to previous uses). There is also evidence of service trenches having been dug through the current grassed surface.

Ordnance survey information pre-dating the existing development suggests that the site itself did not form part of the base buildings themselves, however other features from that era may be unrecorded. It is known that the whole of the site was in use for some time by the housing developer as compound/storage and soft landscaped upon completion. The surveyed levels indicate that in addition to the natural falls, the centre of site has been elevated slightly by filling. The proposed levels will require removal of this material and a degree of cut and fill within the original formation. At the southwest corner of the site, the depth of cut may expose the underlying mudstone and this will need verification with a trail pit/borehole.



It is recommended that given the previous uses onsite a detailed site investigation is undertaken to highlight any issues with imported fill or contamination from the storage or transit of materials.

The Brief and Accommodation Schedule

Accomodation Schedule for New 1.0 Form Entry Primary

A schedule for the proposed accommodation is appended. This schedule has been prepared using the generic template provided within the Schedule of Accommodation tool vers 6.2 referred to in DFE Bulletin 103, it is not intended that it reflect a detailed user brief. There is no nursery provision included in the schedule

Building features include

- single storey building 1241m² gross floor area
- Included within the above: Hall of 180m²
- Reception Classroom of 62m²
- 6no Classrooms of 55m² including light practical (excluding storage)
- Full kitchen facilities

The Site

- Level changes will necessitate significant lengths of retaining structures and these are indicated on the attached drawings
- 30m x 22m hardplay (715m²)
- 410m² further hard paved social space (includes 125m² reception play area)
- 845m² soft informal social space
- Access and parking is deemed to be included within the neighbouring MHDC site.

Fire Risk / Asbestos

The detailed design of the link/relationship with the community building will need to take account of the arrangements within the fire risk assessment for the existing building.

The existing buildings on the site were constructed post 2000 and no asbestos survey work is anticipated.

(however attention is directed to the site investigation section above regarding previous uses for the site)

Drainage

Newly constructed gravity foul and storm sewers are available in the spine road and their status is confirmed on the Severn Trent sewer record. (see appendix) Stormwater; A site investigation including infiltration tests will be required to establish an approach to site drainage. The characteristic geology of the area is superficial deposits of mixed silts clays sands and gravels over Sidmouth Mudstones. SUDS measures will be required to attenuate run-off. Given the restricted space it is most



likely that these will be buried. It is therefore proposed that the main hardplay area is constructed in conventional macadam over a plastics sub-base replacement system. It is estimated that a volume of 107m³ will be required to attenuate down to 5l/s.

Services

Gas Water electric and Telecoms; all services are available in the nearby roadway.

Highways

The terms of the 106 agreement allocate 21 ordinary spaces 1 disabled space and 1-2 minibus spaces depending upon the detailed arrangement of the motorcycle parking within the existing MHDC carpark.

There is also a working assumption that there will be a requirement for cycle storage provision on the school site itself.

It is noted on drawings showing the road infrastructure of the estate that traffic calming measures are included in the scheme for the roads and that some of these have already been implemented.

Planning Consent

A consultation to Sport England will form part of the planning approval process. The conditions for transfer of the junior pitch from MHDV to WCC are set out in the 106 agreement. It is important that any conditions applied over the site at planning stage are coordinated with and reflect the conditions in the agreement.

The developers' landscape drawing (see appendix) indicates tree planting on the road verge together with site fencing. These elements do not appear on the survey photographs and will need to be checked /confirmed.



Appendices Documents included with this report

- 1.0 Location Plan with neighbouring schools highlighted
- 2.0 Proposals 1.0 FE primary School Site Plan
- 3.0 Proposed Accommodation Schedule
- 4.0 Design Drawing Malvern Vale Centre
- 5.0 Landscape Drawing Malvern Vale Centre (RPS)
- 6.0 Topographical Survey Proposed School Site
- 7.0 Level 1 Feasibility Site Plan
- 8.0 Utilities



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Worcestershire County Council Property Services - Finance & Project Management Group

Estimate Summary

Site: Malvern Vale Site Issued: 11 May 2015

Description: New 1 FE Primary

Lead Officer: D Bicknell

Project No: 30102519 Estimating Officer: Russ State-Davey

Site Ref: Est Index:

Estimate Information:

Estimate Base Date: May 15 New build area: 1,241 m²
Anticipated Start Date: May 15 Alterations: 0 m²
Anticipated Completion Date: Jun 16 Costs up-lifted to: 2Q15

Summary

Estimated Total Costs: (Including Preliminaries & Contingencies)

| Building work Mechanical work Electrical work (Includ Asbestos: | es ICT Infrastructure) Building Work | 2,985, 405,0 217, k sub-total: 3,608 ,0 |
|--|---|--|
| Electrical work (Includ | , | 217, |
| · | , | · |
| Asbestos: | Building Work | k sub-total: 3,608,2 |
| Asbestos: | | |
| | | |
| Other (please specify) | | |
| | | : |
| Bu | ilding Work sub-total (including Direct F | Payments): 3,608,4 |
| Professional fees | (Fee Category: 2) | 460,8 |
| Building Regs. | | 7,3 |
| Planning | | 6,5 |
| | | 4,083,0 |
| of estimate on next page) | | Excluded |
| | Bu Professional fees Building Regs. Planning | Building Work sub-total (including Direct I Professional fees (Fee Category: 2) Building Regs. Planning |

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11/05/2015

Information supplied by Feasibility Team

The estimate is based on the information provided on the following drawings:

Malvern Vale Site, New 1 Form Entry Primary School, Level 2 Feasibility Study. 24th March 2015

No specification information was provided for this scheme. Levels of specification have been assumed.

No structural information was provided.

No mechanical/electrical services information was provided so allowances have been made

Additional work associated with the development of a detailed brief and room data sheets have been excluded.

Estimate Methodology

The estimated costs are exclusive of VAT.

Cost associated with the purchase of any land or cost of any leases has been excluded

Site Abnormals

Costs in connection with unknown abnormals are excluded.

No allowance has been included for unknown ground conditions.

Costs in connection with pollution, and/or contamination of site are excluded.

Services and Infrastructure

Indicative allowances for Statutory connection charges are included, individual quotations will be needed for this development

Logistics and Health & Safety

The method of construction and logistical operation of the site were not outlined so these have been assumed No costs have been included arising from such method statements i.e. disruption of third parties, road closures The estimate is based on the builder having an onsite compound and unrestricted access to site.

Planning, Building Regulation and Environmental Issues

Costs of conditions imposed by the Planning Authority e.g. s.106 Agreements, Archaeology Survey etc have been excluded The cost of consequential improvement works to the existing building required by the Building Regulations which are not directly referred to either on the feasibility drawing or specification have been excluded.

Costs imposed by the local Environmental Agency have been excluded.

It is recommended that a Ecologist is contacted to prepare an Ecology Survey

No costs have been included arising from any such Ecology Survey

Risk Management Issues

Furniture and Equipment

No schedules for fixed / loose F&E were available during the preparation of this estimate, these costs have been assumed

Inflation

BCIS All-in Tender Price Index used for calculation of inflation.

Fees

The fees involved in this estimate are limited to construction professionals only

Worcestershire County Council

Property Services - Finance & Project Management Group

Budget / Estimate Report

| Buaget / Estim | ите кероп | | | | | | | | |
|--|---------------------|--------------------|----------------|----------------|-------------------------|------------------|--|-------------------|----------|
| Project No: | 30102 | 519 | | Site Ref No: | | | | Estimate Index: | |
| Site: | Malvern Vale | Site | | | | | | | |
| Description: | New 1 FE Prin | nary | | | | | | | |
| Lead Officer: | | D Bicknell | | | Est | imating Officer: | | Russ State-Dave | ≘y |
| Anticipated Program | те: | | | | | | | Base Date: | May 2015 |
| Start on Site: | May 2015 | | Co | ntract Period: | 56 | Weeks | | Completion: | Jun 2016 |
| Percentage Additions: | | Inflation Index: | | BCIS | Level of Infor | mation: | | Is VAT applicable | ? |
| Preliminaries | 12.00 | from Base Date: | | 262 | Lvl 1 - no info | mation | 0 | If Yes | |
| Contingencies | 5.00 | to Start on Site: | | 262 | Lvl 1 - informa | tion provided | 0 | No | |
| | ı | no increase | | - | Lvl 2 - informa | tion provided | • | | |
| New 1 FE Primary Area rates obtained in Total floor area Circulation allowance | | /2015 with loca | tion factor 99 | for Malvern H | 1,241 fills 1,241 | | 2,105,977 - - - - 2,105,977 | - = | |
| Calculated from Nev | | | - | | - | | - | | |
| New Build Total | (N.B. Cost/m² inclu | udes Preliminaries | /Contingencies | 5) | 1,241 | L m² | | 2,105,977 | |
| Building Abnorm | als | New build | | | Alteration | | | _ | |
| | | nr/m/m² | £ | | nr/m/m² | £ | | | |
| Generally | | 5% | 2,105,977 | 105,299 | 59 | | - | | |
| Ground conditions | | 1,241 | 50 | 62,050 | | 50 | - | | |
| | | | | 167,349 | - | | - | _ | |
| Preliminaries at 12% | | | | 20,082 | | | - | | |
| Building Abnormals | Total | | | 187,431 | • | | - | _ 187,431 | - |
| • | | | : | , - | • | | | = | |

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11/05/2015

Worcestershire County Council

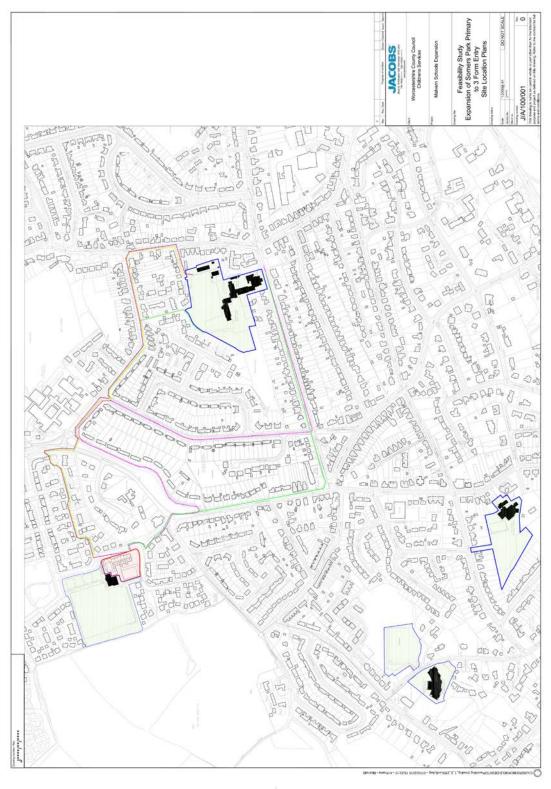
Budget / Estimate Report

| Project No. | 30 | 0102519 | | Site Ref No: | | | | Estimate Index: | | |
|---|--|--|--------------------|------------------------|-------------------------|-------------------------------|--------------|---|------------------|--|
| Furniture & Equ | uipment | New build | | | Alterations | | | _ | | |
| | | nr/m/m² | £ | | nr/m/m² | £ | | • | | |
| Fixed furniture incl | | | | | | | | | | |
| Loose furniture an | | | | 135,973 | | | - | | | |
| ICT Hardware (whe | re not include | ed in scriedules) | - | 75,000 210,973 | | | | • | | |
| Preliminaries at 12 | % | | | 25,317 | | | - | | | |
| Fixed Furniture To | tals | | - | 236,290 | | • | - | 236,290 | | - |
| Services Abnor | mals | New build | - | | Alterations | : | | • | | |
| Jei vices Abiloti | 11013 | nr/m/m² | £ | | nr/m/m² | £ | | • | | |
| Sprinkler system | Allow 5% | 5% | 2,105,977 | 105,299 | None | _ | | | | |
| PV | | | ,,- | 20,000 | | | | | | |
| Generally | | | | 63,200 | | | | | | |
| | | | _ | 188,499 | | • | - | | | |
| Preliminaries at 12 | | | | 22,620 | | , | - | | | |
| Services Abnorma | s Totals | | : | 211,119 | | ; | - | 211,119 | | - |
| BUILDING WORKS | SUB-TOTAL (| excluding Siteworks | s) : | | | | | 2,740,817 | | - |
| Siteworks | | | | | m² | £/m² | | | | |
| <u> </u> | | | | | | | Drainage | • | | |
| Drainage | | | | | 1,241 | 45 | 55,845 | | | |
| J | Drainage Inj | frastructure | | | • | | 20,000 | | | |
| | SUDS | | | | | | 50,000 | | | |
| | | | | | 9 | Services | | | | |
| Mains Service | Service ch | | m | - | Service trenches | | | | | |
| Electric | 30,0 | | 90 | 25 | 2,250 | 32,250 | | | | |
| Water | 6,0 | | 90 | 25 | 2,250 | 8,250 | | | | |
| Gas Telephone | 20,0 | 100 | 90 | 25 | 2,250 | 22,250 | | | | |
| reteptione | | | | | External Wks | | | | | |
| Siteworks generall | v (% of new b | uild cost) | 12% | | 252,717 | | | | | |
| Siteworks Abnorm | • | Address Site Le | vels | | 179,800 | | | | | |
| Sub-Total | | | | ' | 432,517 | 62,750 | 125,845 | • | | |
| Preliminaries at 12 | % | | | , | 51,902 | 7,530 | 15,101 | | | |
| Siteworks Total | | | | ; | 484,419 | 70,280 | 140,946 | 695,645 | | |
| BUILDING WORKS | SUB-TOTAL (i | including Siteworks | 5): | | | | | 3,436,462 | | - |
| | | | | | | | | | - | |
| Percentage Add | | Now Puild | | | Altorations | | | | | |
| | ditions | New Build | 2 426 462 | 171 022 | Alterations | | | | | |
| | | New Build 5.00 | 3,436,462 | <i>171,823</i> | Alterations 5.00 | | - | . 171.823 | | _ |
| Contingencies | ditions Allow % | 5.00 | 3,436,462 | <i>171,823</i> 171,823 | | : | - | 171,823 | | - |
| Contingencies | ditions Allow % | 5.00 | 3,436,462 | | | | - | | | - |
| Contingencies TOTAL BUILDING V | Allow % | 5.00 | = | | | | - | | _ | - |
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| Contingencies TOTAL BUILDING V Inflation Uplifted to 2Q15 a TOTAL BUILDING V Direct Payments: | Allow % NORKS (exclude BCIS All-in and to (0.00%) NORKS (include Asbestos: Other (please | 5.00 Iding inflation): Tender Price Inde. ding inflation): Have Property | - - x | 171,823 | 5.00 | : sts? Direct Payme | | 3,608,285 3,608,285 | £ | - - - - - - - - |
| TOTAL BUILDING V Inflation Uplifted to 2Q15 a TOTAL BUILDING V Direct Payments: | Allow % NORKS (exclude BCIS All-in and to (0.00%) NORKS (include Asbestos: Other (please | 5.00 Iding inflation): Tender Price Inde. ding inflation): Have Property is sespecify) | - - x | 171,823 | 5.00 | | | 3,608,285 3,608,285 £ | £ | - - - - - - - - - |
| TOTAL BUILDING V Inflation Uplifted to 2Q15 a TOTAL BUILDING V Direct Payments: Total Building Work Sum to Balance | Allow % NORKS (exclude BCIS All-in and the color) NORKS (include Asbestos: Other (please rks (including | 5.00 Iding inflation): Tender Price Inde. ding inflation): Have Property is sespecify) | - - x | 171,823 | 5.00 | | | 3,608,285 3,608,285 £ - £ - £ 3,608,285 | £ | - - - - - - - - - - - - |
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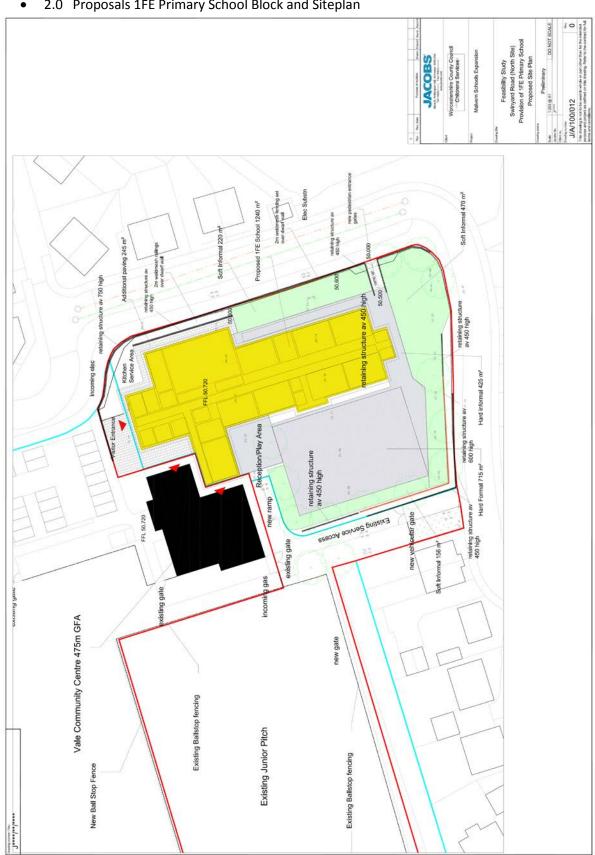


1.0 Site Location Plan with neighbouring schools highlighted





2.0 Proposals 1FE Primary School Block and Siteplan





4.0 Design Drawing Malvern Vale Centre





• 3.0 Accommodation schedule continued

| Pupils 210 at 1FE | Numb | er of Classes | FE | from | extrapolated BB103 Pupils | Malvern Vale | school) | |
|----------------------|----------|-------------------|--------------------------------|-----------------|---------------------------------|-----------------|------------|--------------|
| Accommodation | 1 | Max Group Size | Number of Rooms Required | Av Area (m2) | Total Area (m2) | No. of rooms | Total area | Comments |
| Non Net Area | | | | | | | | |
| Full Kitchen | | | 1 | 47 | 47 | 1 | 47 | |
| Servery | | | 1 | 0 | 0 | 0 | 0 | |
| Reception class to | oilets | | 3 | 4 | 12 | 3 | 12 | |
| Other pupil toilet s | suites | | 3 | 9 | 27 | 3 | 27 | |
| Accessible/ staff 7 | Toilet | | 2 | 4 | 8 | 2 | 8 | |
| Staff Toilets | | | 2 | 4 | 8 | 2 | 8 | |
| BMA (Hygiene ro | om) | | 1 | 12 | 12 | 1 | 12 | |
| Changing Roor | ms | | 0 | 15 | 0 | 0 | 0 | no allowance |
| Officials Chang | ing | | 0 | 5 | 0 | 0 | 0 | no allowance |
| Community Toil | | | 0 | 8 | 0 | 0 | 0 | no allowance |
| Circulation - Net (| | | | | 192 | 1 | 192 | 22.3% |
| Server Room | | | 1 | 4 | 4 | 1 | 4 | |
| Service Cupboa | | | 2 | 2 | 4 | 2 | 4 | |
| Plant - Net @X | (% | | | | 24 | | 24 | 2.8% |
| Partitions - Net @ | | | | | 44 | | 44 | 5.1% |
| | IL NON N | | | | 382 | | 382 | |
| TOTAL GI | ROSS AR | EA - SCHOOL | | | 1241 | | 1241 | |
| | | | | Gross area | 1211 | | | |
| | | | | range | 1345 | | | |
| | | | | | | | l | |



3.0 Accommodation Schedule continued

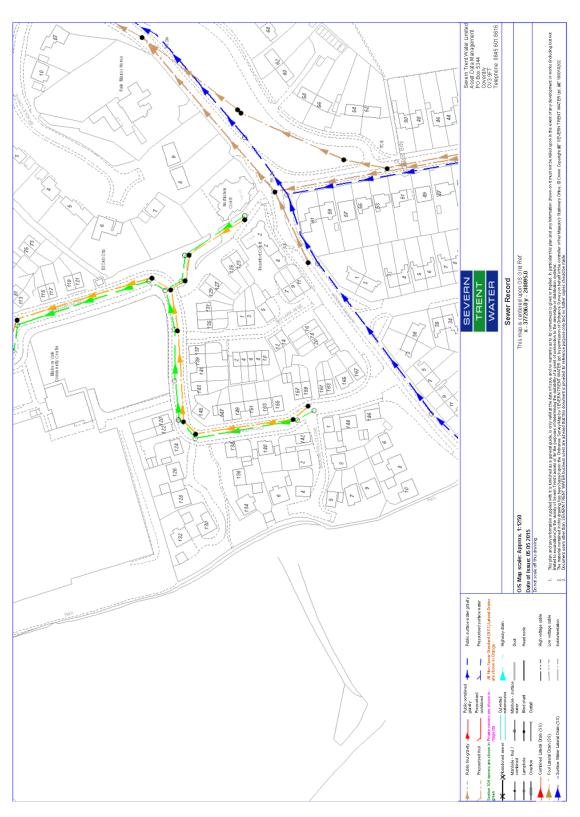
| | Pupi 210 at 1 | | Numbe | er of Classes | FE | 1FE areas from | extrapolated BB103 Pupils | alvern Vale | site (wildie school) | |
|-----------|----------------------|-------------|--------------|-------------------|--------------------------------|-------------------|---------------------------------|-----------------|-------------------------|----------------------------|
| | | | | , | 1 | 210 | Pupiis | ≥ 0 | ח | |
| | Acco | ommodation | n | Max Group Size | Number of Rooms Required | Av Area (m2) | Total Area (m2) | No. of rooms | Total area | Comments |
| _ | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | FE | | BB103 | Malvern Vale | school) | |
| | | | | | 1 | 210 | Pupils | Malv | os auc | |
| | | | | | 90 | Rec+KS1 | I FE | 90 | R+ KS1 | |
| - | | | | | 120 210 | KS2 Pupils | | 120 210 | KS2 | |
| ٦ | | | | | 2.0 | 1 447110 | | | | |
| | Site Area | s -recomn | | ninimum | | | | | | |
| | | Soft outdoo | | | | | 4,200 | 4 | 1,200 | |
| - | | Hard Outdo | | al | | | 715 1,020 | | 715 1,020 | based on primary base area |
| - | | Hard inform | | | | | 410 | | | plus per pupil |
| \exists | | Habitat | arra oot | | | | 105 | | 105 | |
| | | Float | | | | | 1,650 | | 1,650 | |
| _ | | Total | | | | | 8,100 | 8 | 3,100 | |
| - | | BB103 min | not cito or | 200 | | | 8,100 | | 8,100 | m² |
| - | | Non-net | riet site ai | ea | | | 1,040 | - | 1.040 | m² |
| - | | | te area (ma | ax net site area) | | | 9,140 | | ,140 | |
| | | | | site area new sch | nools | | 11,220 | | ,220 | |
| Т | | | | | | | | | | |



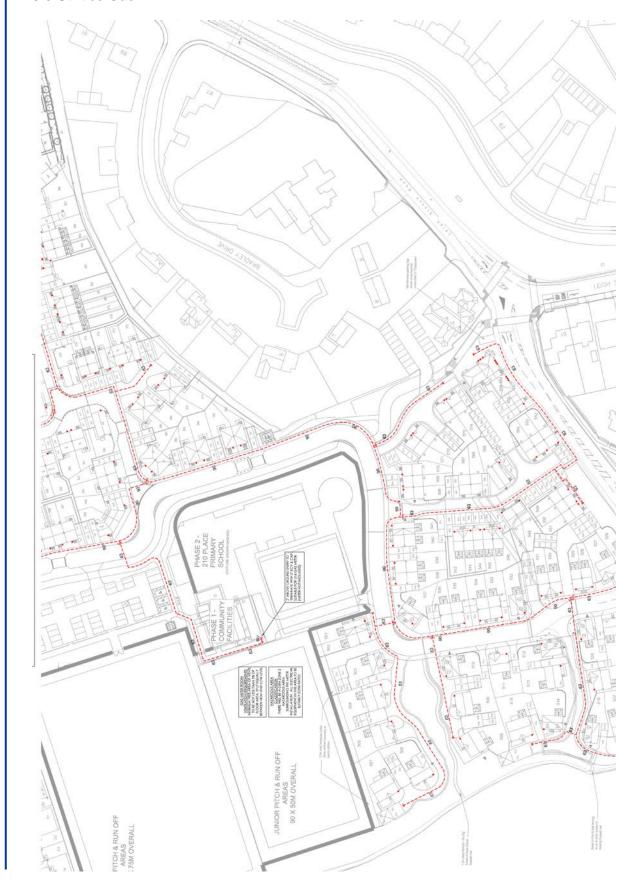
3.0 Accommodation Schedule

| | | Acco | ommod | ation S | chedule | • | | |
|--|--|----------------------------|---|---|---|--|--|--------------------|
| Date | Apr-1 | 5 | Sched | ule Version | Number | 1 | | |
| School | | | Malve | ern Vale | Primary | / Sc | cho | ol |
| Project Number | BW10100 |)L | 1110.111 | | | | | <u> </u> |
| | | | | | | | | |
| Project Description | | | 1 FE I | Primary S | School on | Vale | Sit | е |
| | | | | | | 41 | | |
| Pupils | Numbe | er of Classes | | 1EE aroas | extrapolated | Malvern Vale | שַ | |
| | | | FE | | BB103 | Malvern Val | school) | |
| | | | | | | ver | <u>ੇ</u> ਨੂੰ | |
| 210 at 1FE | | 7 | 1 | 210 | Pupils | /laj | S S | |
| | | | | | · | | | |
| | | | Number of | | | | ga | |
| Accommodation | n | Max Group | Number of Rooms | Av Area | Total Area | No. of rooms | otal area | Comments |
| , 1000mmoudilo | | Size | Required | (m2) | (m2) | 8 5 8 | ota | Comments |
| Dania Tanahina Assa | | | | | | | - | |
| Basic Teaching Area Reception Cla | ISS | 30 | 1 | 62 | 62 | 1 | 62 | |
| KS1 Classbas | se | 30 | 2 | 62 | 124 | 2 | 124 | |
| KS2 Classbas | | 30 | 4 | 55 | 220 | 4 | 220 | |
| Food/Science/E Large Food / Science | | 15 30 | 0 | 34 62 | 34 0 | 1 | 34 0 | |
| ICT Suite (no. of | | 30 | 0 | 0 | 0 | 0 | 0 | not in BB103 |
| Learning Resource | / Library | 15-30 | 1 | 20 | 20 | 1 | 20 | |
| SEN Resource B | | 5 5 | 1 | 12 | 12 | 1 | 12 | |
| SEN Therapy / Small Group Roo | | 6 | 1 | 12 9 | 12 9 | 1 | 12 9 | |
| Large Group Ro | | 10 | 0 | , and the second | | 0 | 0 | no allowance |
| TOTAL B | ASIC TEA | CHING AREA | | | 493 | | 493 | |
| | | Basic Teaching | | Target min | 420 | | | |
| | | | | | | | | |
| | | Basic Teaching | | Target max | 492 | | | |
| | | Basic Teaching | | Target max | 492 | | | 1 |
| Main Hall (used for | dining) | Basic Teaching | 1 | Target max | 492 180 | 1 | 180 | |
| · · | dining) | 30 | | 180 | 180 | | | |
| Small Hall | dining) | 30 | 0 | 180 80 | 180 | 0 | 0 | |
| Small Hall Studio | | 30 | | 180 | 180 | | | |
| Small Hall Studio | | 30 30 30 | 0 | 180 80 | 180 0 0 | 0 | 0 | |
| Small Hall Studio TOTA Head's Office/Meeti | L TEACH | 30 30 30 | 0 0 Staf | 180 80 55 f & Admin 16 | 180 0 0 673 | 0 0 | 0 0 673 16 | |
| Small Hall Studio TOTA Head's Office/Meeti Senior Managemer | ng room | 30 30 30 | 0 0 Staf 1 | 180 80 55 f & Admin 16 9 | 180 0 0 673 | 0 0 | 0 0 673 16 9 | |
| Small Hall Studio TOTA Head's Office/Meeti | ng room nt Office d social) | 30 30 30 | 0 0 Staf | 180 80 55 f & Admin 16 | 180 0 0 673 16 9 | 0 0 | 0 0 673 16 | 5 staff |
| Small Hall Studio TOTA Head's Office/Meeti Senior Managemer Staffroom (prep and | ng room at Office d social) | 30 30 30 | 0 0 Staf 1 1 | 180 80 55 f & Admin 16 9 34 | 180 0 0 673 | 0 0 1 1 | 0 0 673 16 9 34 | 5 staff 3 staff |
| Small Hall Studio TOTA Head's Office/Meeti Senior Managemer Staffroom (prep and Staff work roo General Office | ng room nt Office d social) | 30 30 30 | 0 0 Staf 1 1 1 | 180 80 55 f & Admin 16 9 34 5 | 180 0 0 673 16 9 34 5 | 0 0 1 1 1 | 0 0 673 16 9 34 5 | |
| Small Hall Studio TOTA Head's Office/Meeti Senior Managemer Staffroom (prep and Staff work roo General Offic Sick Room/ b Nurture Roor | ng room nt Office d social) m e ay | 30 30 30 | 0 0 1 1 1 1 | 180 80 55 f & Admin 16 9 34 5 | 180 0 0 673 16 9 34 5 | 0 0 1 1 1 1 | 0 0 673 16 9 34 5 | |
| Small Hall Studio TOTA Head's Office/Meeti Senior Managemer Staffroom (prep and Staff work rood General Offic Sick Room/ bo Nurture Roor Secure Entrance | ng room nt Office d social) m e ay m Lobby | 30 30 30 | 0 0 1 1 1 1 1 1 1 | 180 80 55 f & Admin 16 9 34 5 13 4 | 180 0 0 673 16 9 34 5 13 4 | 0 0 1 1 1 1 1 0 | 0 0 673 16 9 34 5 13 4 0 5 | 3 staff |
| Small Hall Studio TOTA Head's Office/Meeti Senior Managemer Staffroom (prep and Staff work roo General Offic Sick Room/ b Nurture Roor Secure Entrance Copier/Repro A | ng room nt Office d social) m e ay m Lobby | 30 30 30 | 0 0 1 1 1 1 1 1 1 1 1 | 180 80 55 f & Admin 16 9 34 5 13 4 | 180 0 0 673 16 9 34 5 13 4 | 0 0 1 1 1 1 1 1 0 1 | 0 0 673 16 9 34 5 13 4 0 5 5 | 3 staff |
| Small Hall Studio TOTA Head's Office/Meeti Senior Managemer Staffroom (prep and Staff work rood General Offic Sick Room/ bo Nurture Roor Secure Entrance | ng room at Office d social) m e ay m Lobby wrea ervices | 30 30 30 | 0 0 1 1 1 1 1 1 1 | 180 80 55 f & Admin 16 9 34 5 13 4 | 180 0 0 673 16 9 34 5 13 4 | 0 0 1 1 1 1 1 0 | 0 0 673 16 9 34 5 13 4 0 5 | 3 staff |
| Small Hall Studio TOTA Head's Office/Meeti Senior Managemer Staffroom (prep and Staff work roo General Offic Sick Room/ b Nurture Roor Secure Entrance Copier/Repro A Interview/Social Sc Class Storage (Rec Class Storage (Rec | ng room It Office It social) It social) It social It soc | 30 30 30 | Staf 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 180 80 55 f & Admin 16 9 34 5 13 4 5 5 6 3 1.5 | 180 0 0 673 16 9 34 5 13 4 5 6 3 9 | 0 0 1 1 1 1 1 1 1 1 1 1 6 | 0 0 673 16 9 34 5 13 4 0 5 6 3 9 | 3 staff |
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| Small Hall Studio TOTA Head's Office/Meeti Senior Managemer Staffroom (prep and Staffroom (prep and Staff work roo General Offic Sick Room/ b Nurture Roor Secure Entrance Copier/Repro A Interview/Social Sc Class Storage (Rec Class Storage (| ng room at Office d social) m e ay m Lobby wrea ervices ception) S18.2) es nal) nal) k Storage g Tables noce bays | 30 30 30 | Staf 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 180 80 55 55 16 9 34 5 13 4 5 6 3 1.5 5 15 4 6 2.5 7 1.5 4 | 180 0 0 673 16 9 34 5 13 4 5 5 6 3 9 5 15 4 12 17.5 7 3 4 | 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 7 1 1 1 1 | 0 0 0 673 16 9 34 5 13 4 0 5 5 6 6 3 9 5 15 4 12 17.5 7 7 3 4 12 17.5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 3 staff |
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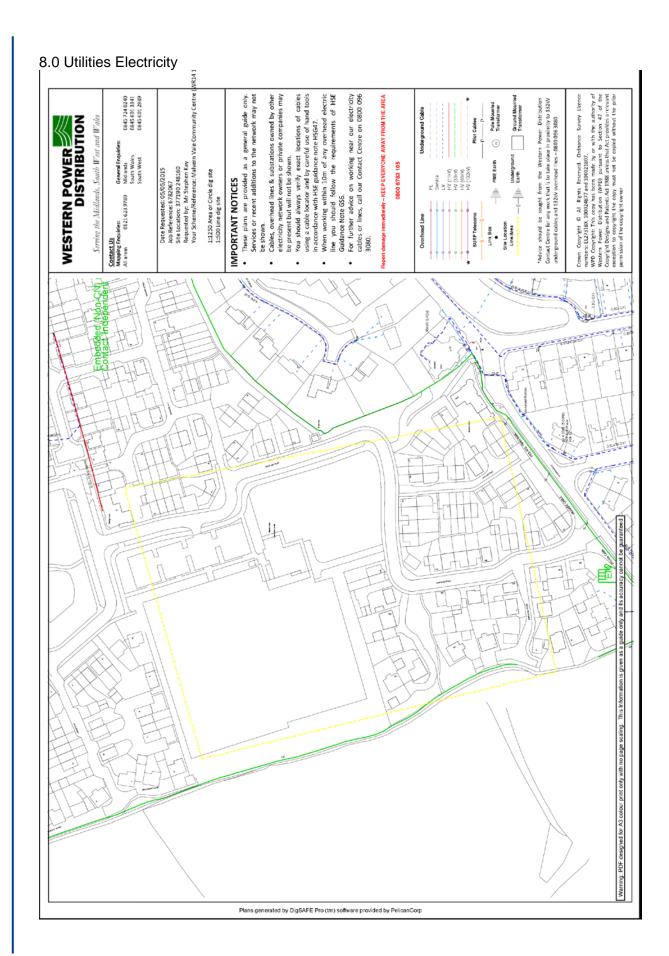
8.0 Utilities, Drainage

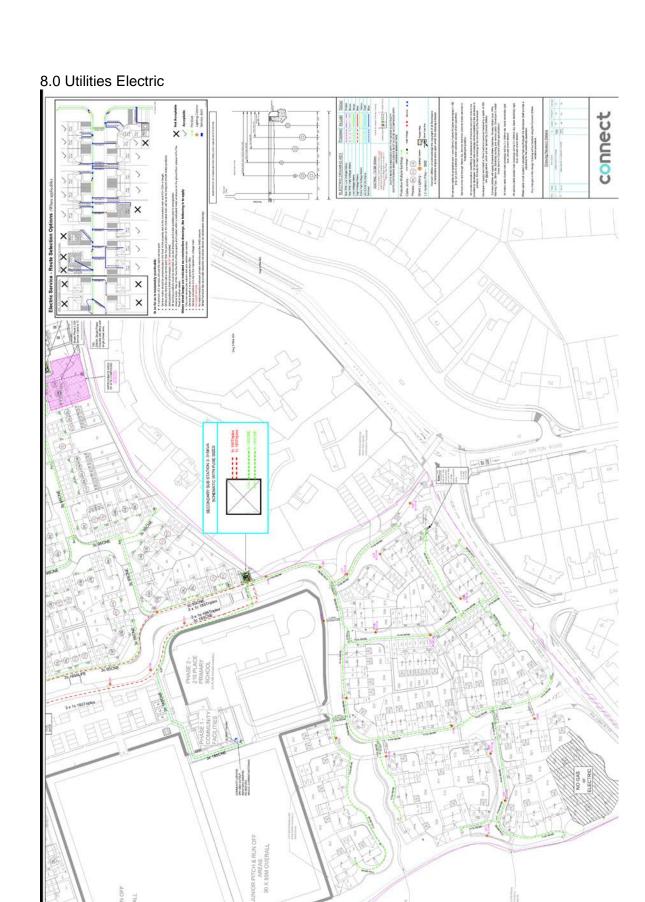


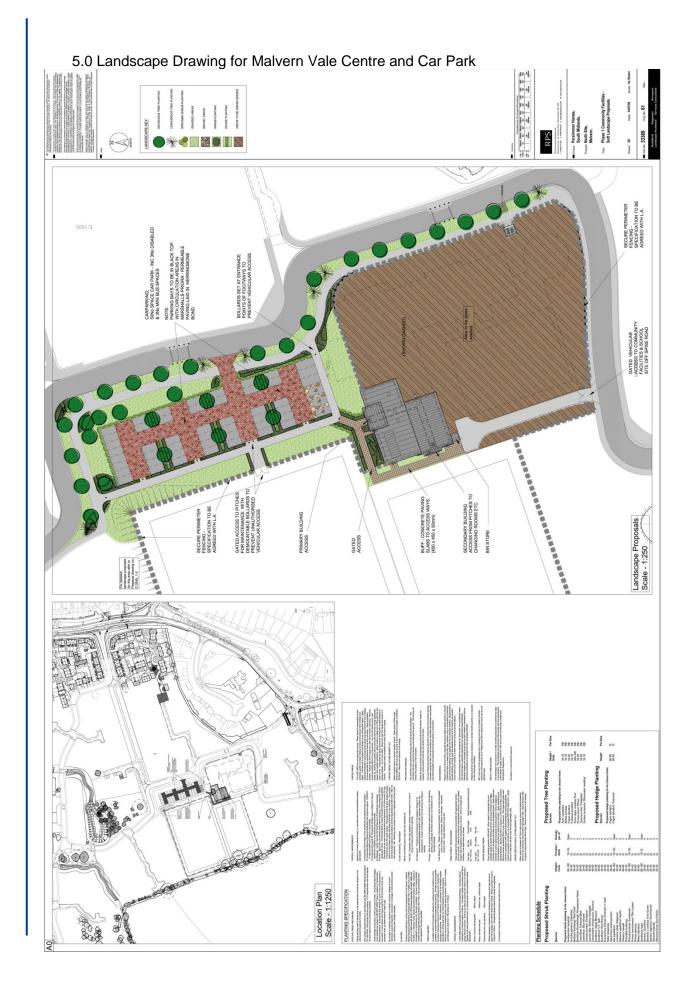
8.0 Utilities Gas





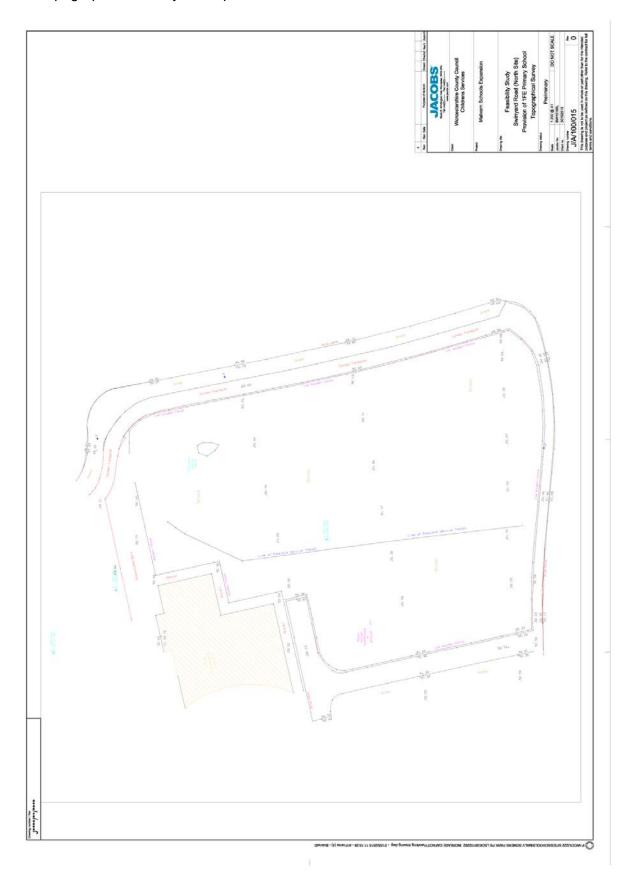








6.0 Topographical Survey of Proposed School Site





8.0 Utilities Water





7.0 Level 1 Feasibility drawing

