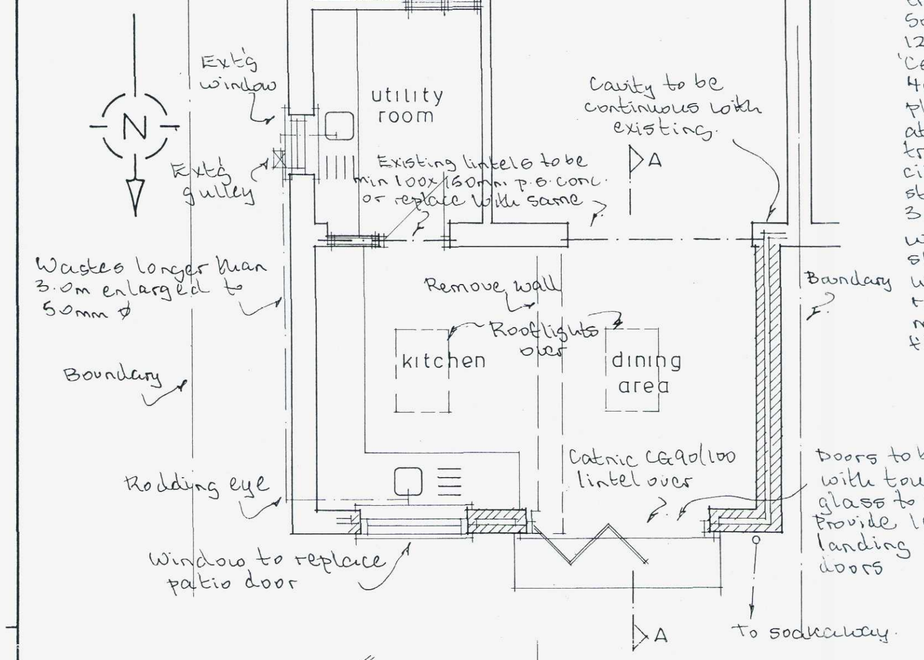
1:100 Scale bar 1:50

0 10m

0 10m

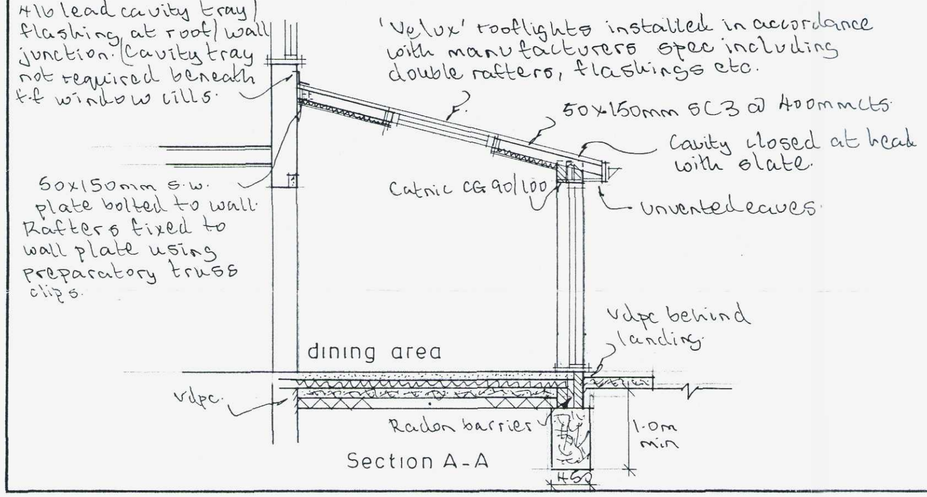
50x100mm studs @ 400mm cts infilled with 100mm 'Rockwool' mineral fibre with min 10kg/m³ density. 12.5mm plasterboard both sides.







east elevation north elevation west elevation




Roof:-
Concrete interlocking tiles suitable for 15° pitch (Marley Malvern Smooth with 100mm headlap) on 19x38mm s.w. treated battens on 'Tyvek' permeable sarking on 50x150mm SC3 rafters @ 400mm cts infilled with 120mm 'Celotex' maintaining 30mm air gap above 'Celotex' & below 'Tyvek'. Rafters undersawn with 40mm 'Celotex' & 12.5mm plasterboard with skim plaster finish. Provide 4lb lead cavity tray/flashing at roof/ wall junction with 150mm upstand (cavity tray not required directly beneath first floor window cills). Roof strapped to walls with 30x5mm m.s straps @ 2.0m cts. Straps to be taken across min 3No rafters where rafters run parrallel with walls. Provide solid noggings between rafters at strap positions. Upvc unvented soffit. Upvc facia with 100mm pvc gutter & 75mm downpipe. 'Velux' rooflights installed in accordance with manufacturers spec including double rafters, flashings etc.

Walls:-
Painted pebbledash/ render on 100mm 'Thermalite shield' blocks. 100mm cavity with s.steel wall ties @ 750mm cts horizontally, 450mm cts vertically & 225mm cts at reveals. Cavity insulated with 100mm 'Dritherm' insulation batts installed in accordance with manufacturers spec. Inner leaf of 100mm 'Thermalite shield' blocks with lightweight plaster finish. Cavity to be vertically continuous with existing & closed at head with slate. Combined vdpc/ insulated cavity closers at reveals. Horizontal dpc min 150mm above ground level lapped with existing dpc.

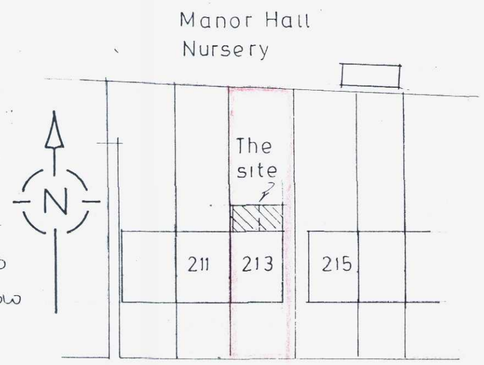
Ground Floor:-
65mm sand/ cement screed reinforced with chicken wire on 500g polythene on 100mm 'Celotex tuff-R' floor insulation on 1500g polythene dpm on 100mm concrete on 150mm well consolidated hardcore. DPM to lap with new & existing dpc. Any existing airbricks obstructed by new floor are to be ducted to external air via 100mm ø ducts with 100mm concrete cover. DPM to be taken across cavity in tray form to provide Radon gas barrier. All joints in Radon barrier to be sealed with waterproof tape.

Foundations:-
450mm wide trench fill foundations min 1.0m deep with final size/ depth to suit site conditions. Foundations to be taken down to invert level of any drains found within 1.0m distance. There are no trees within 10m of extension.

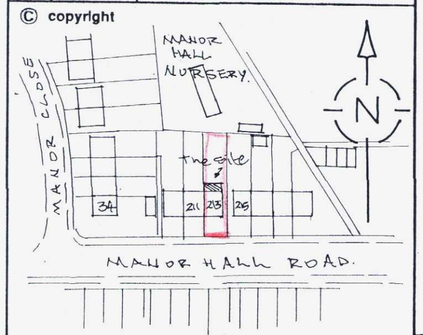
Drainage:-
38mm ø sink wastes with 75mm deep anti-vac bottle traps & rodding eyes at changes of direction. Waste longer than 3.0m (measured from appliance trap) to be enlarged to 50mm ø. Wastes to discharge to existing gulley below gulley grating but above water level. All plumbing to be to BS EN 12056. Rainwater taken to min 1.0cu.m. soakaway min 5.0m from any building via 100mm ø UPVC pipes @ 1:40 fall laid & surrounded in pea beach with 50mm concrete cover. If existing soakaway is found within 5.0m of extension then divert existing s/a runs to new s/a position via pipes as noted above.

Ventilation:-
New double glazed doors, windows & rooflights to have openable area in excess of 1/20th floor area & each room to have 8000mm² night vents. Kitchen & utility room to have mechanical vents ducted to external air to provide 30 litres/ sec. extraction. Utility room vent to be connected to light switch & to have 15 minute over-run. Kitchen extract point to be over hob.

Electrical:-
Electrical installations to be designed, installed tested & certified to BS7671 with copy of certificate to be made available for the local Authority. 75% of all new lighting to be low-energy type with fittings capable of only accepting bulbs having a luminous efficacy in excess of 60 lumens per circuit-watt.




Block Plan 1:500




Site Plan 1:1250

**NOTES**

General:-
Existing lintels, walls & foundations to be exposed at commencement to be checked for suitability to sustain additional loads. Double glazing to doors, windows & rooflights to have 16mm air cavity & low-emissivity glass to provide a 'U' value of 1.6 W/m²°C. Existing heating system to be extended to serve new proposals & all new radiators to have thermostatic control valves.

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| A | | |
| | Date | Revisions |

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**Client**
Mr & Mrs Cusack

**Job Title**
Proposed Extension

ADUR & WORTHING PLANNING SERVICES
PLAN AWDM/ 0682/15
DATE 14 MAY 2015

**Drawing Title**
213 Manor Hall Road
Southwick

**Scale** 1:50 1:100

| Date | Drawn by |
|---|---|
| | |

| Drg No. | Rev. |
|---|---|
| 477/01 | |

594 x 420mm A2