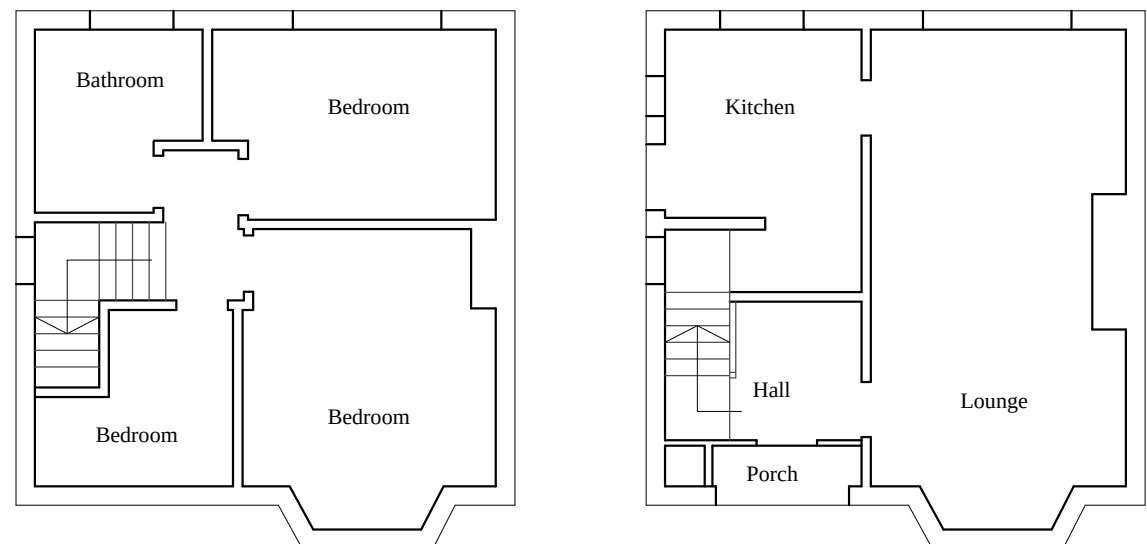
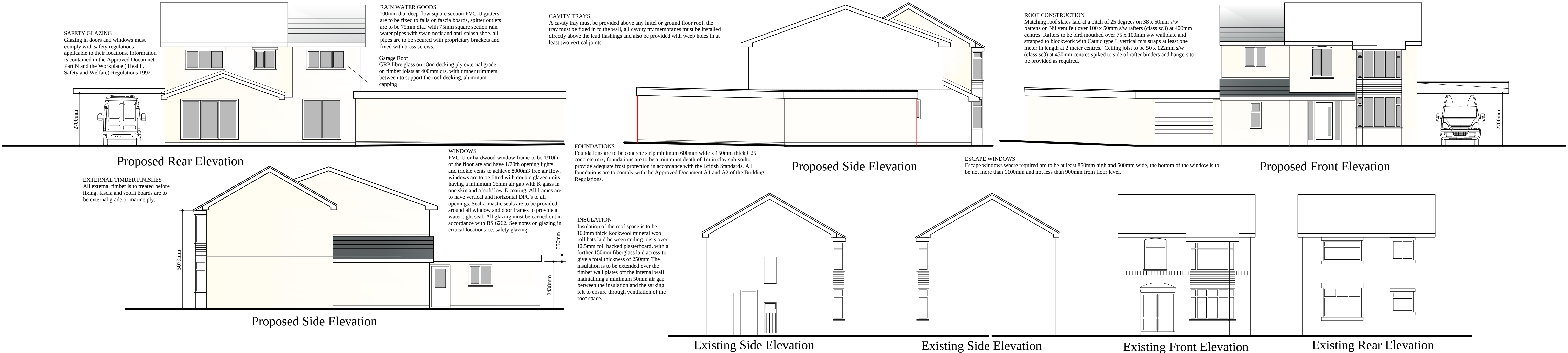
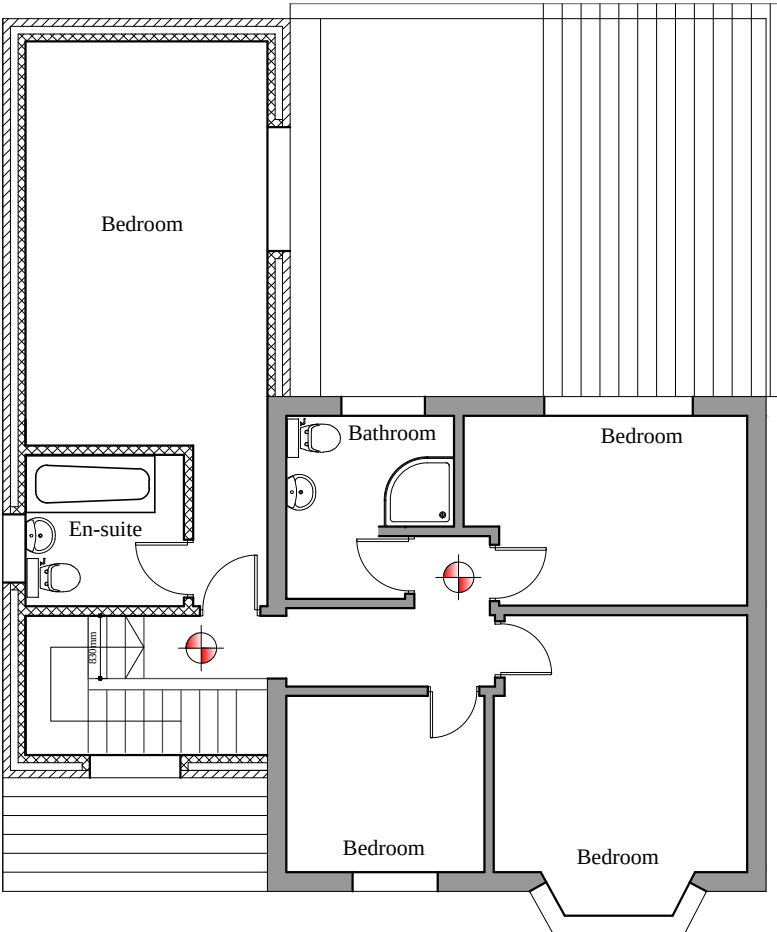




EXTERNAL WALL CONSTRUCTION
New external cavity wall to be constructed of 102mm matching face brickwork to dpc, above to be 100mm solid concrete block with 75mm Kingspan Kooltherm K8 cavity insulation bats within 100mm cavity, 100mm Thermal insulation block to inner leaf with lightweight plaster finish and skim. Catnic BB2 stainless steel cavity wall ties to be spaced 900mm horizontally and 450mm vertically to comply with BS 1243 (1978). Cavity to be closed along eaves and around all openings with Catnic CC50 insulated cavity closer's positioned horizontally and vertically to all openings. External lintels to be render using K-Render. All openings are to be provided with Catnic lintels with a minimum end bearing of 150mm at both ends. Brickwork used below DPC to be constructed in Class B engineering or trench block may be used, the cavity is to be filled within 200mm of the DPC with weak mix concrete. All new cavity walls are to be cut through to existing cavities and be continuous. U value 0.29

WASTE PIPES
All waste pipes are to be a minimum of 38mm dia. to wash hand basins and sinks, pipes are to be fitted with 75mm deep seal traps or anti-vac traps if connected directly to a soil and vent pipe. 40mm waste pipes are to be provided to both and showers. Soil and vent pipes are to be 100mm dia and terminated 1m above any opening windows adjacent to the stack, a suitable bird cage is to be fitted to the top of the stack. Alternatively an air admittance valve may be used above the last stack connection. All installations are to comply with the Approved Document Part H and BS 5572 (1978).



INSPECTION CHAMBERS
New inspection chamber to be pre-cast or polypropylene inspection chamber if maximum depth does not exceed 1200mm. Chamber connections or for 100mm dia. pipes as indicated on the drainage drawing. Chamber to be encased with well compacted select back fill, or weak mix concrete, chamber to be fitted with medium duty cover and frame. Inspection chambers are to be provided at every change of direction on foul drains, maximum distance between inspection chambers to be 45m to comply with the Approved Document Part H, any branch drain must not exceed 22m in length.

STEELWORK
Steelwork must comply with the relevant structural calculations and be supported on pad stones or spreader plates, sizes to be provided within the calculations. All steelwork must have a minimum of 30mins fire resistance provided by 12mm fireline plasterboard and skim. Steelwork used in external openings must be provided with a cavity tray.

SKIRTING BOARDS
Timber skirting boards are to be provided to all rooms to match existing or if new 200mm x 25mm, all skirting boards are to be treated before fixing.

SMOKE ALARMS
Smoke alarms are required to be fixed at ground and first floor levels and interconnected. The alarm must be wired to the main supply and connected to its own fused spur, alternatively the alarm may be connected to an intruder alarm if the system is specifically designed for this purpose. A smoke detector will cover an area of 7.5m radius and a heat detector 5.3m radius, they should be fitted in accordance with BS 5839 sitting sensors within bedrooms, circulation area, head of stairways, lounge/dining rooms and roof voids. Alarms within roof voids should be fitted with a remote LED.

INTERNAL PARTITIONING
All non-load bearing partitions are to be constructed of 100 x 50mm s/w studing at 450mm centres on 100 x 75mm sole plate fixed to the floor. Partition to be insulated with Rockwool bats for sound insulation and covered with 12.5mm thick plasterboard with a density of 10kg/m2 and skim to both sides.

INTERNAL PARTITIONING - SOLID FLOOR
Partition walls constructed of concrete floor slab are to be 100mm thick lightweight blocks, any internal load bearing partition walls are to be constructed from 100mm solid concrete block and taken down to strip foundation or constructed on reinforced concrete slabs.

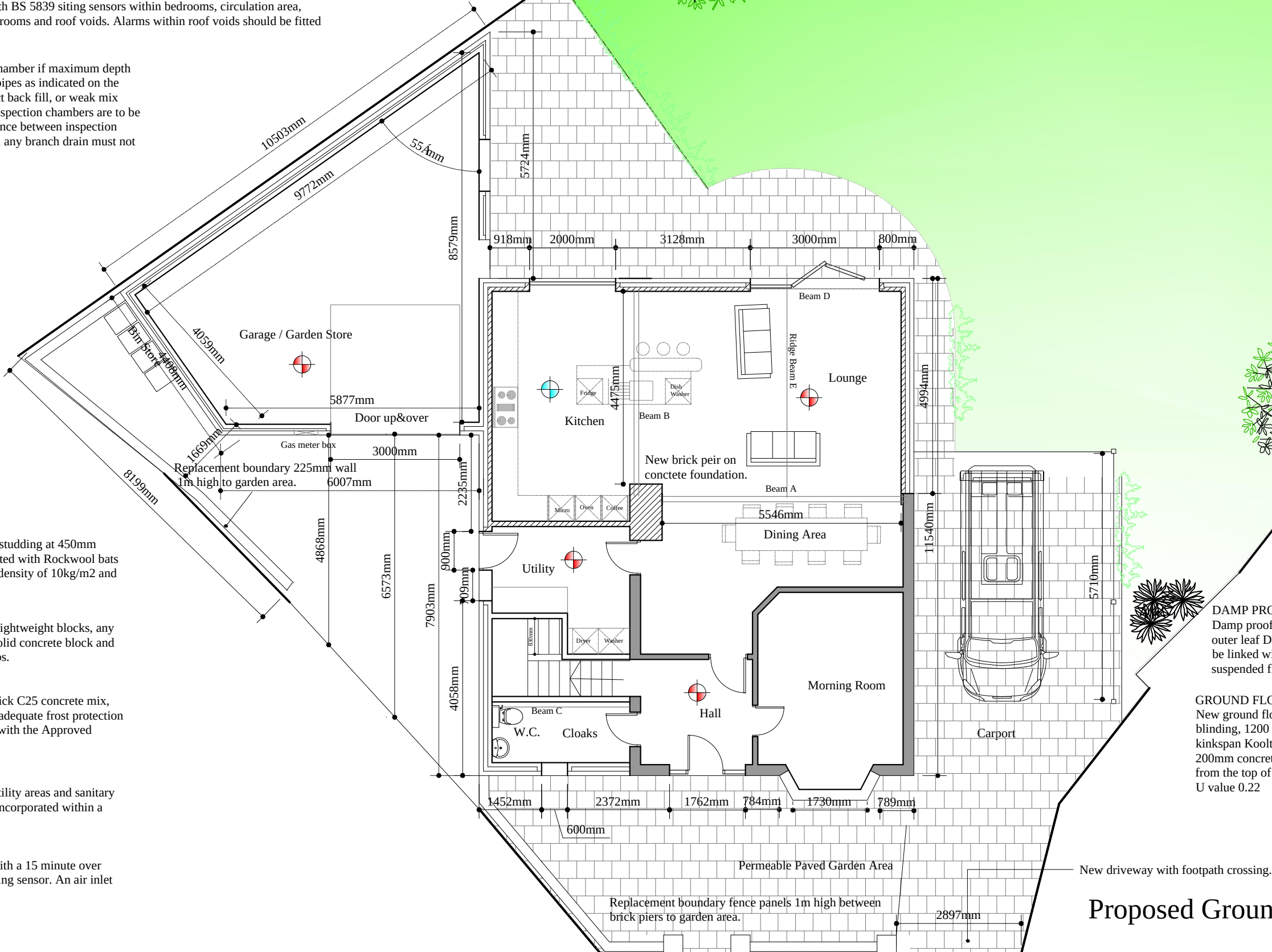
FOUNDATIONS
Foundations are to be concrete strip minimum 600mm wide x 150mm thick C25 concrete mix, foundations are to be a minimum depth of 1m in clay sub-soil to provide adequate frost protection in accordance with the British Standards. All foundations are to comply with the Approved Document A1 and A2 of the Building Regulations.

VENTILATION
Mechanical ventilation fans are required to be fixed to all kitchen areas, utility areas and sanitary accommodation. The kitchen fans are to extract 60 litres per second or if incorporated within a cooker hood 30 litres per second will be required.

SANITARY ACCOMMODATION
Mechanical ventilation is required to provide three air changes per hour with a 15 minute over run discharging to external air and controlled by the light switch or detecting sensor. An air inlet to the room should be provided i.e. a 10mm gap under the door.

TOP WATER DRAINAGE
All top water drainage are to be 100mm underground PVC-U or Supersleeve with flexible joints piping to be laid at a minimum fall of 1:40. Drains passing under the building are to be protected by surrounded with 100mm (min) granular material and where passing through a wall a suitably sized lintel is to be provided over the opening ensuring that a 50mm space is maintained around the pipe. Openings must be masked to prevent fill. All underground drainage to comply with BS 8301 (1985). New gullies to be provided with rodding access, separate drainage systems are to be combined at the last manhole depending on existing drainage systems.

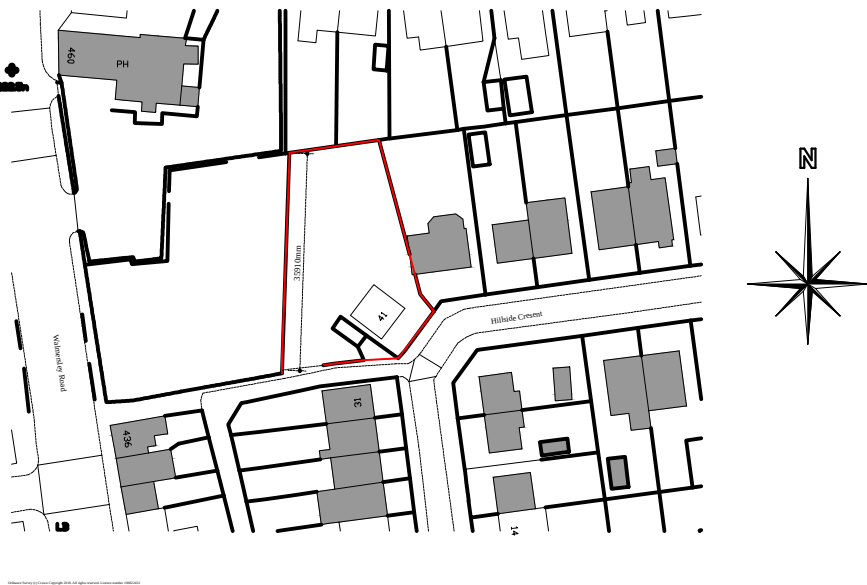
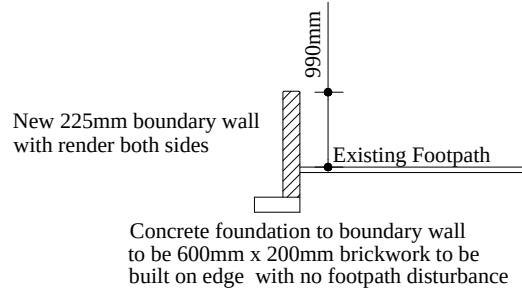
DRAINAGE
All existing drains under the proposed building are to be protected with 150mm of weak mix concrete, flexible jointed drains are to be surrounded with 150mm of pipe bedding with a concrete cover using 150mm thick concrete.



DAMP PROOF COURSE
Damp proof course is to be provided in both inner and outer leaf of Brick/blockwork the outer leaf DPC must be at least 150mm above the finished ground level, the inner DPC is to be linked with the floor damp proof membrane (solid floor construction) in the case of timber suspended floors directly under the joists.

GROUND FLOOR CONSTRUCTION (SOLID)
New ground floor to be construction, clean stone well compacted to form levels with sand blinding, 1200 gauge polythene DPM to be turned up at the edges and linked in to the DPC. Kingspan Kooltherm K3 board 70mm thick with a top layer of 1000 gauge DPM membrane, slab 200mm concrete C25 with one layer of A142 anti clacking steel reinforcement to be place 50mm from the top of the slab. U value 0.22

Garden Wall



Client Mr D. Melia	
Location 41 Hillside Crescent. Bury.BL9 6PZ	
Project Side and Rear Extension	
Drawing Planning Consent	
Agent APB Consultant Building Surveyors 1 Maple Grove Ramsbottom BL0 0AN Telephone 01706 826300 Mobile 07976404449	
 RICS	
Scale 1:100	Date 25th June 2018
Drawing No. DWG/01/P	Revision
This drawing is provided for planning & Building Regulations consent only. The contractor must check all dimensions on site before works are commenced. The contractor must comply with all requirements of the Health & Safety Regulations. DO NOT SCALE THIS DRAWING	