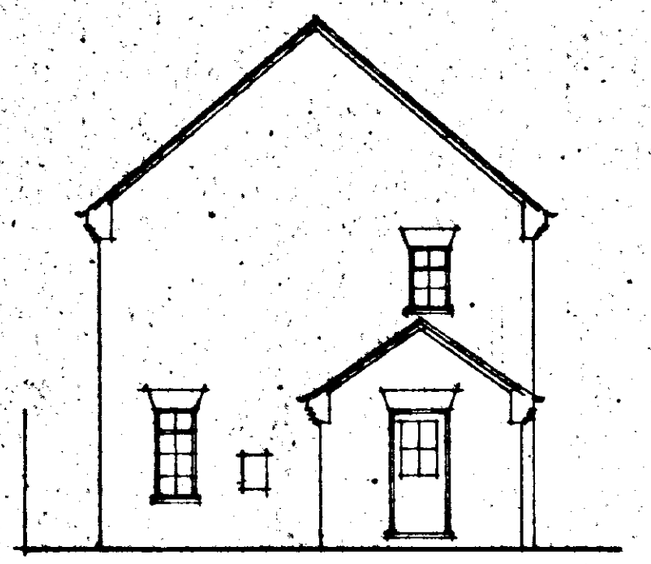
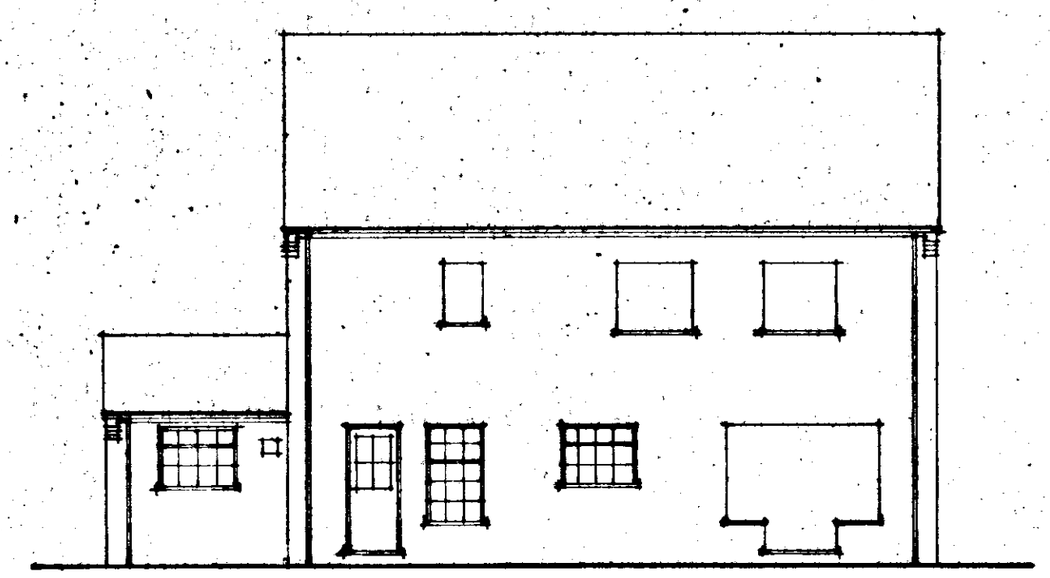
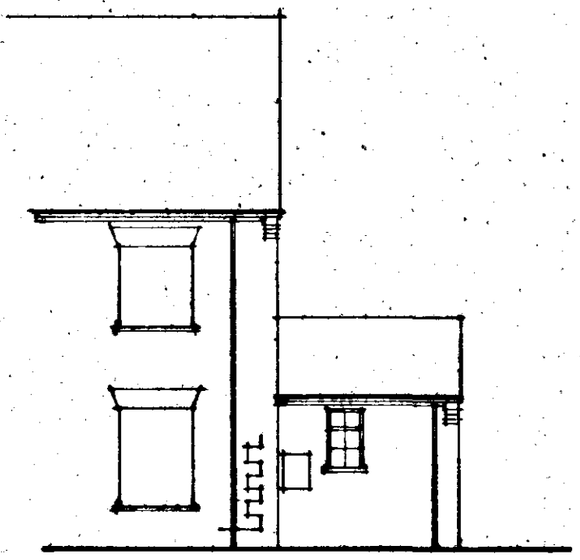






Roof construction:

Interlocking concrete tiles to match existing installed to manufacturers recommendations on 25x38 fully treated battens on sarking felt on built up timber roof formed of

- 38x100 rafters at 400mm cts.
- 38x147 ceiling joists at 400mm cts.
- 32x150 ridge beam
- 25x100 collars at ridge
- 50x100 wall plates.

All structural timber to be grade SC3 and marked dry or kiln dry.
Roof pitch approx. 35°

Install 30x5mm mild steel straps at garage 1.800 cts installed at ceiling level and at slope of roof straps to extend over 3no. timbers at gable supported by noggings.

Install code 4 lead stepped flashings between new roof finish and existing wall.

Eaves constructed to match existing and to incorporate roof void ventilation strip to provide min. 10,000mm² ventilation per metre.

Install UPVC gutters and dampipes to match existing with new dampipes connected to 110mm dia. UPVC drains bedded on 100mm pea gravel to fall to soakpit 1 metre cube at least 5.000 from building.

Roof insulation:

Install 1 layer of 100mm thick fibreglass quilt insulation between ceiling joists with 1 layer of 150mm thick quilt over joists.
Maintain ventilation to roof void at eaves.

Ceilings:

Install 9.5mm thick plasterboard with 'Artex' finish and perimeter supported.

Heating/hot water:

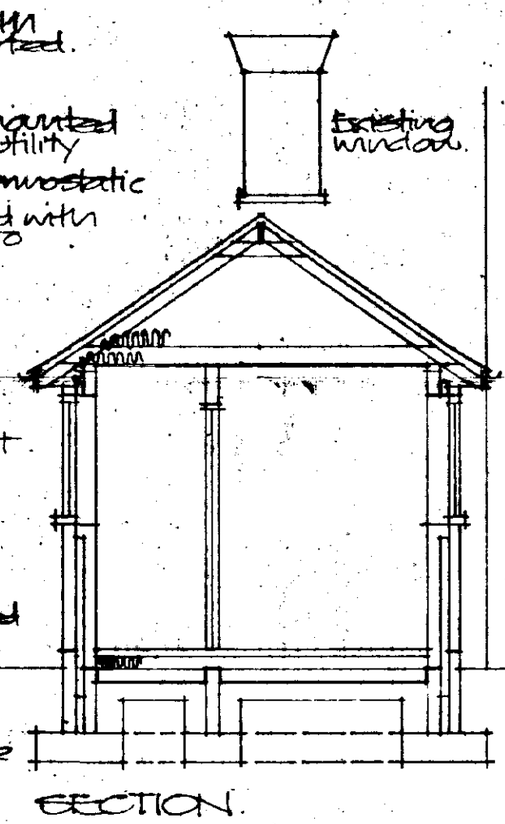
Re-locate existing gas fired wall mounted boiler from existing utility into new utility where indicated.
Install radiator in W.C. fitted with thermostatic valve.
All new hot water pipes to be insulated with Armaflex or similar of thickness to match pipe outside diameter.

Drains above ground:

40mm dia. polypropylene wastes from sink unit and washing machine with 50mm dia. combined waste.
32mm dia. waste from wash basin.
All fittings to have 75mm deep seal traps.
Sink and washing machine to connect to new back inlet gully.
W.C. fittings to connect to existing soil and vent stack.

Drains below ground:

110mm dia. UPVC drains bedded and surrounded in 100mm pea gravel.
Install new back inlet gully connected to existing inspection chamber.
Re-located existing inspection chamber and fit with double sealed screwed down cover.
Drain passing through wall to be protected by pre-cast concrete slab lintel with 50mm min. clearance around pipe protection from vermin entry and gas sealed.



SECTION.

Cavity wall:

Constructed of 105mm facing brick, 75mm cavity and 100mm thermalite standard block with internal finish of 9.5mm plasterboard and skim on dabs.
Install 75mm thick Dritherm cavity insulation to manufacturers instructions.
(Average 'U' value = 0.35w/m²k)
Install bamcare insulated d.p.c. to reveals with frames lapping by min 15mm.
Install cavity wall ties at 900mm cts horizontally, 450mm cts vertically and at 225mm cts within 225mm of reveals.
Install Hyload d.p.c. to walls min. 150mm above ground level.
(external skin)
Install concrete fill to base of cavity to within 225mm of d.p.c level.
Tops of cavities to be sealed.
Concrete blockwork below d.p.c. level to be class 'A'.
New walls bonded to existing with wall extension profiles.

Foundations:

225x700 (225x450 to internal walls) grade ST4 concrete strip foundations min. 750mm deep (1.000 in shrinkable soil). Depth to be agreed on site with L.A. building inspector.

Floor construction:

65mm thick lightly reinforced sand/cement screed on 500 guage separating membrane on 100mm thick 50 grade expanded polystyrene insulation on 100mm thick grade ST4 concrete slab on 1200 guage d.p.m. on min. 150mm hardcore well consolidated and blinded.

Windows and external door:

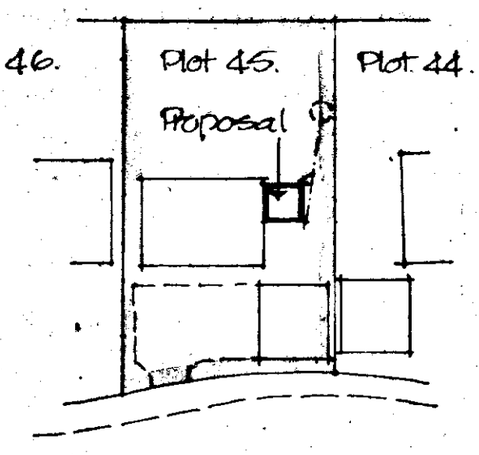
Re-use existing window frame in W.C. New utility window to match existing kitchen window. New external door to be similar to existing rear access door. Windows and door to be white UPVC double glazed to min. 2.0w/m²k standard including re-sited window frame. Glass to door to be safety glass to BS 6206.
Windows to W.C. and utility to have trickle vents to provide min. 4000mm² background ventilation.

Mechanical ventilation:

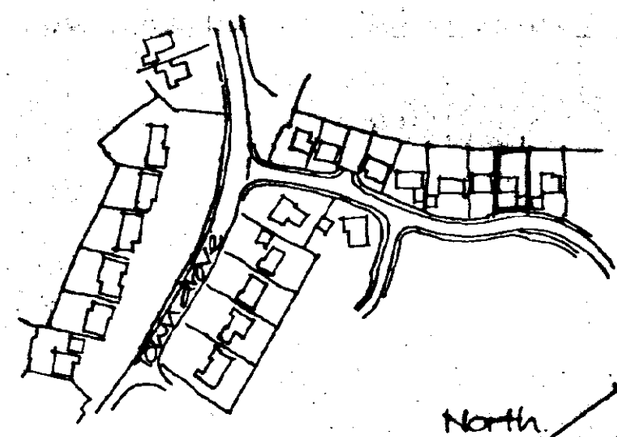
Install extract fan in utility to extract at a rate of 30 litres per second.

Lintels:

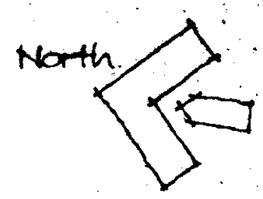
Install LG type LI/575 steel lintels to external opening with cavity tray d.p.c. above lintel to door.
Install prestressed concrete slab lintels to new door opening through cavity wall. Install L.G. internal 100 lintel to W.C. door.

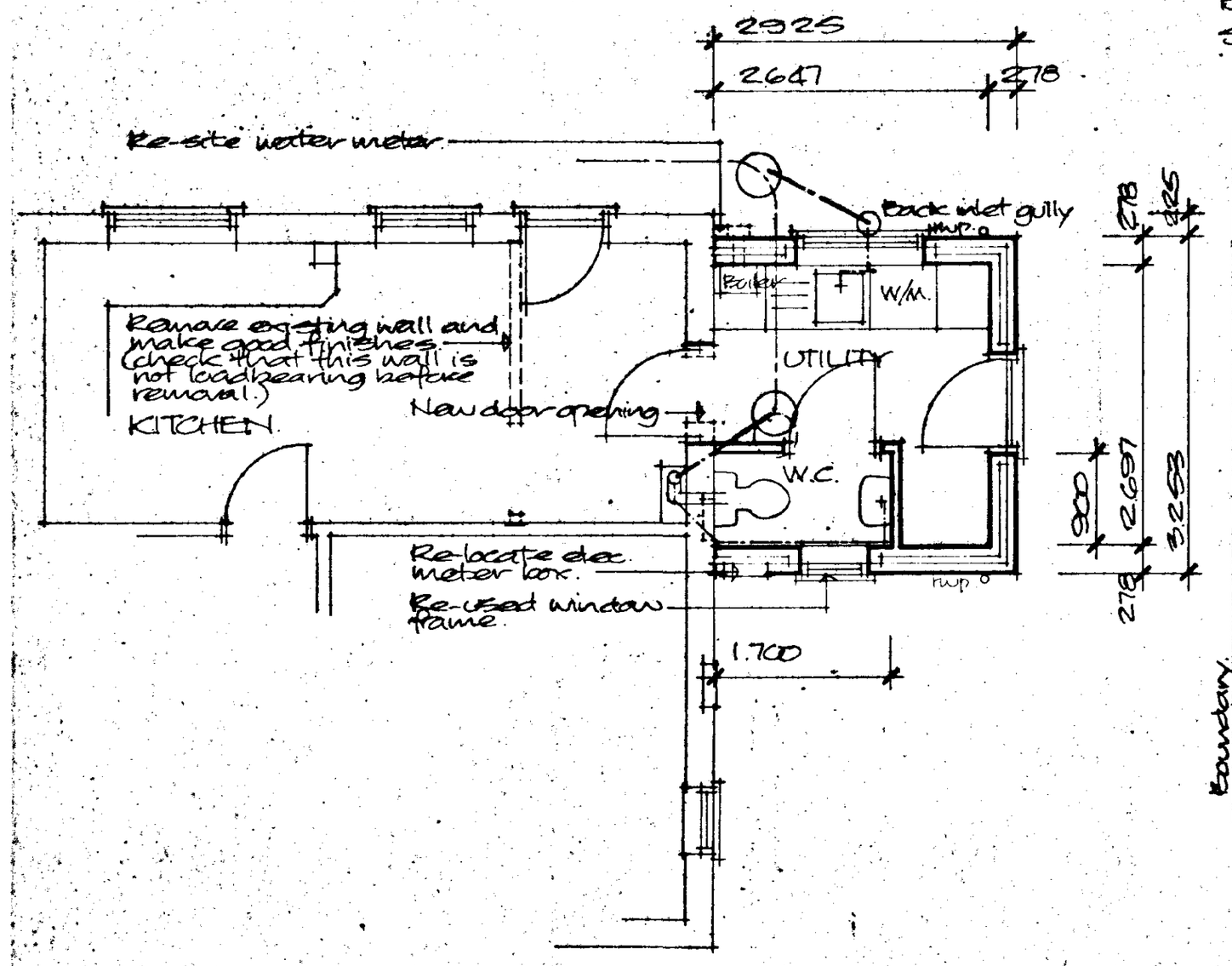


BLOCK PLAN
Scale 1:500



LOCATION PLAN
Scale 1:2500





DETERMINED PLAN

SHDC
Planning & Development
- 5 JUN 2002
Ref 0643102

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Project
PROPOSED EXTENSION TO HOUSE PLOT 45 OFF TOWN DROVE, QUADRING.

Client
MR STONE

Scale 1:50/1:100 Date May 02