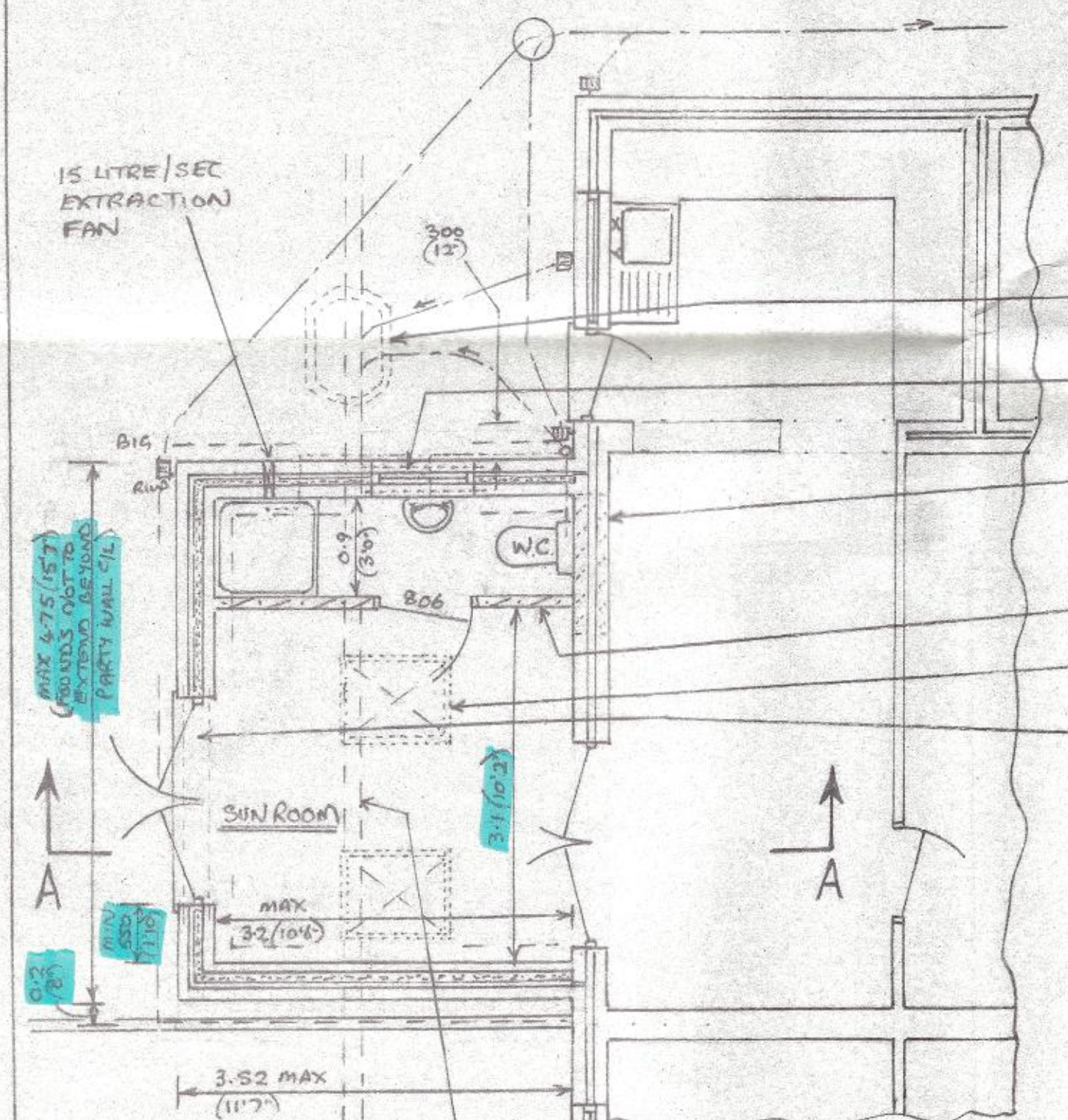
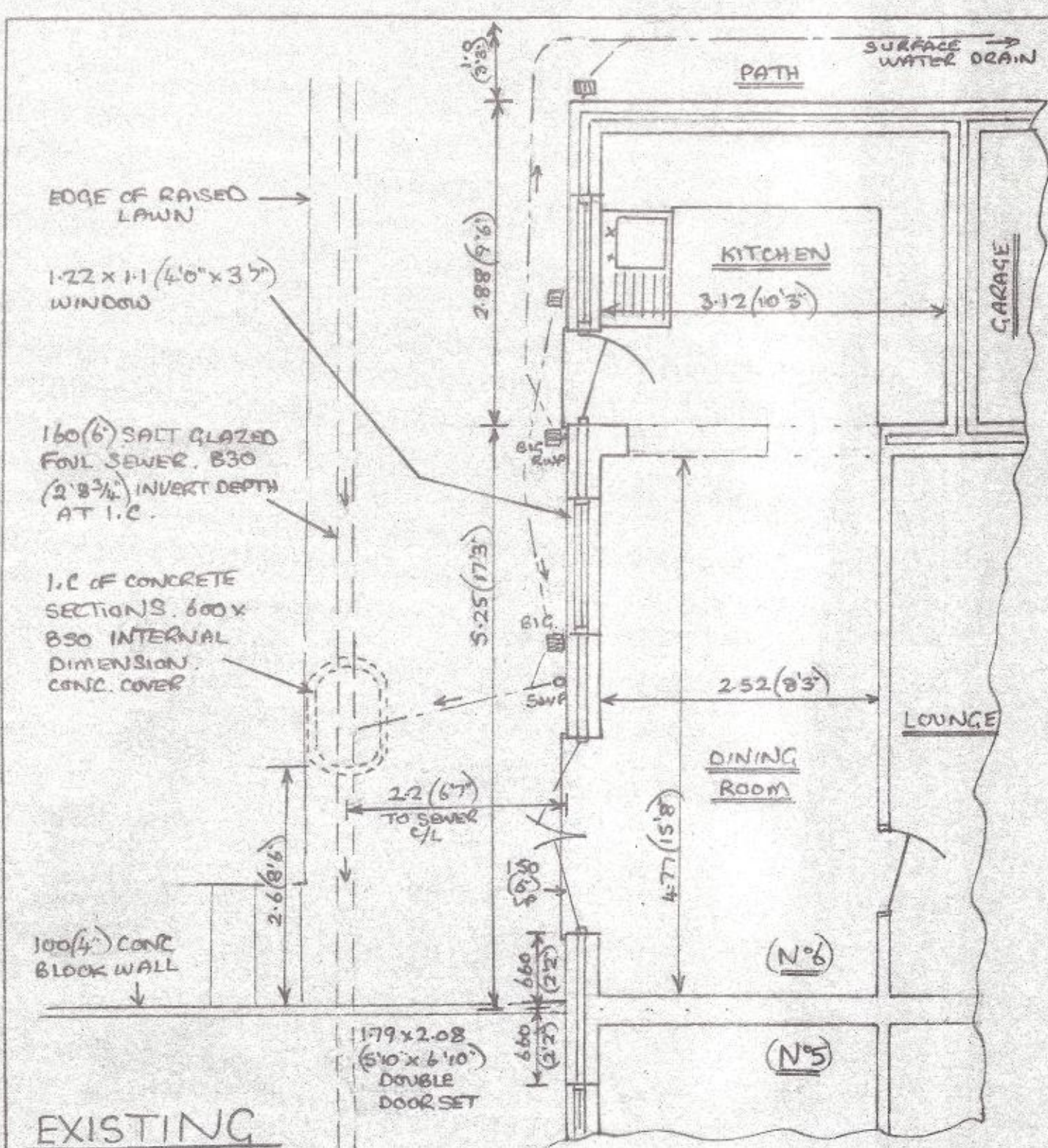




195 x 47 (7 1/2" x 1 1/8") RAFTERS AT 400(16) CRS PAIRED TO SIDES + AS TRIMMERS TO ROOF LIGHTS. BREATHABLE FELT, 40x25 (1 1/2" x 1") BATTENS + MARLEY WESSEX GREY CEMENT TILES, 100(4) HEADLAP, 15° PITCH (MIN). RAFTERS ONTO 195 x 47 (7 1/2" x 1 1/8") WALLPLATE SECURED TO EXIST WALL BY M12 RAULBOOTS AT 600 (24) CRS.

170 x 47 (6 3/4" x 1 1/8") CEILING JOISTS AT 400(16) CRS. PAIRED TO SIDES + AS TRIMMERS TO ROOF LIGHTS. NO JOIST HANGERS ONTO 170x47 (6 3/4" x 1 1/8") WALLPLATE SECURED TO EXIST WALL BY M12 RAULBOOTS AT 600 (24) CRS. 500 GAUGE VISQUEUR VAPOUR BARRIER + 9.5(3/8") PLASTER BOARDS + SKIM UNDER, 150 (6") MINERAL FIBRE QUIET BETWEEN JOISTS + 100(4) OVERALL. U VALUE 0.16.

10 (3/8") AIRCAP ALONG EAVES, FIT FLYSCREENS. 115 (4 1/2") GUTTERING ON FACIA BOARD, 65 (2 1/2") DOWNPIPES IN UPVC, TO DISCHARGE INTO BACK INLET GULLY.

150 (6) DEEP R.C. LINTELS, VERTICAL + LINTEL D.P.C. MIN 150 (6) GROUND TO D.P.C.

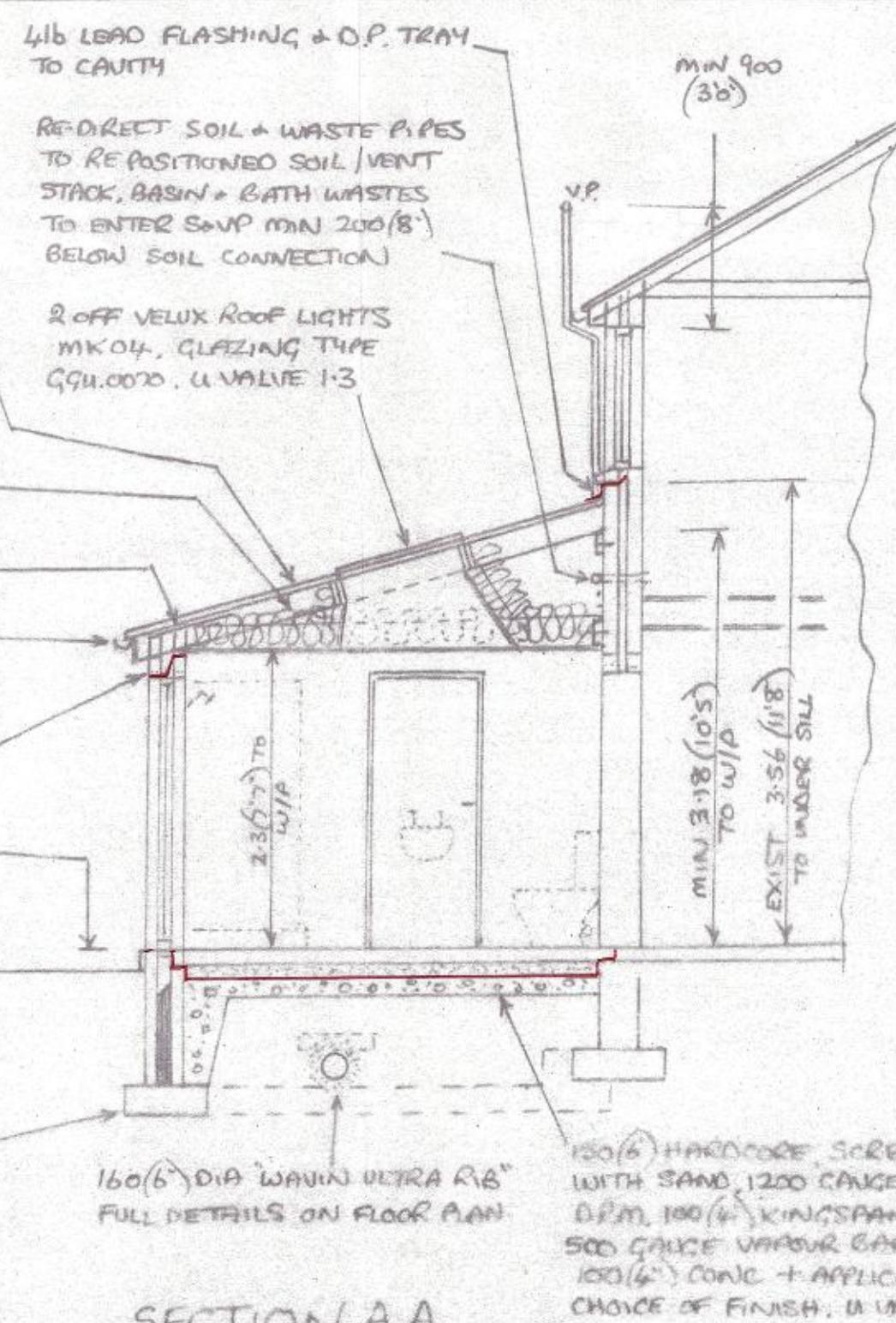
RELOCATE SHORT RETAINING WALL TO LAWN. 675 x 200 (2'3" x 8") CONIC STRIP FOUNDATIONS TO EXTEND BELOW EXIST FOUL SEWER LINE + TO UNDER AN EXIST FOUND AT JUNCTIONS. CAVITY WALL OF 2 LEAF 100(4) CONIC BLOCK, TIED INTO EXIST WALLS WITH CROCODILE 5/8" PLATES + SCREWS, 115 (4 1/2") CAVITY, FILLED SOLID WITH CONC UP TO 225 (9") BELOW D.P.C. SEALED OFF AT EAVES + BE CONTINUOUS WITH EXIST CAVITIES. 250 (10") LONG 5/8" WALLTIES (STAPLE RT2 OR EQUIV) AT 750 (24") CRS HORIZONTAL, 450 (16") VERTICAL + WITHIN 150 (6") EVERY BLOCK COURSE OF OPENINGS. 20 (3/4") RENDER/ROUGHCAST EXTERNAL, 120 (5") PLASTER BOARD ON PLASTER DABS, + SKIM INTERNAL. ALL JOINTS + EDGES THIN SEAPED, + ELECTRICAL BACKBOXES/CONDUITS ETC TO BE SEALED WITH MASTIC TO MAINTAIN AIRTIGHTNESS. TO (2 3/4") KINGSPAN K8 TO INNER LEAF IN CAVITY TO LEAVE 45 (1 3/4") AIRCAP. U VALUE 0.26.

REPOSITION INSP CHAMBER OF SAME CONSTRUCTION AS EXISTING OR 225 (9") BRICK ON CONE BASE.

8.9 x 11.1 (30' x 37 1/2") UPVC WINDOW. BUILD UP EXIST WINDOW IN CONIC BLOCK, OPTIONAL RECESS, SHELVE TO DINING ROOM SIDE.

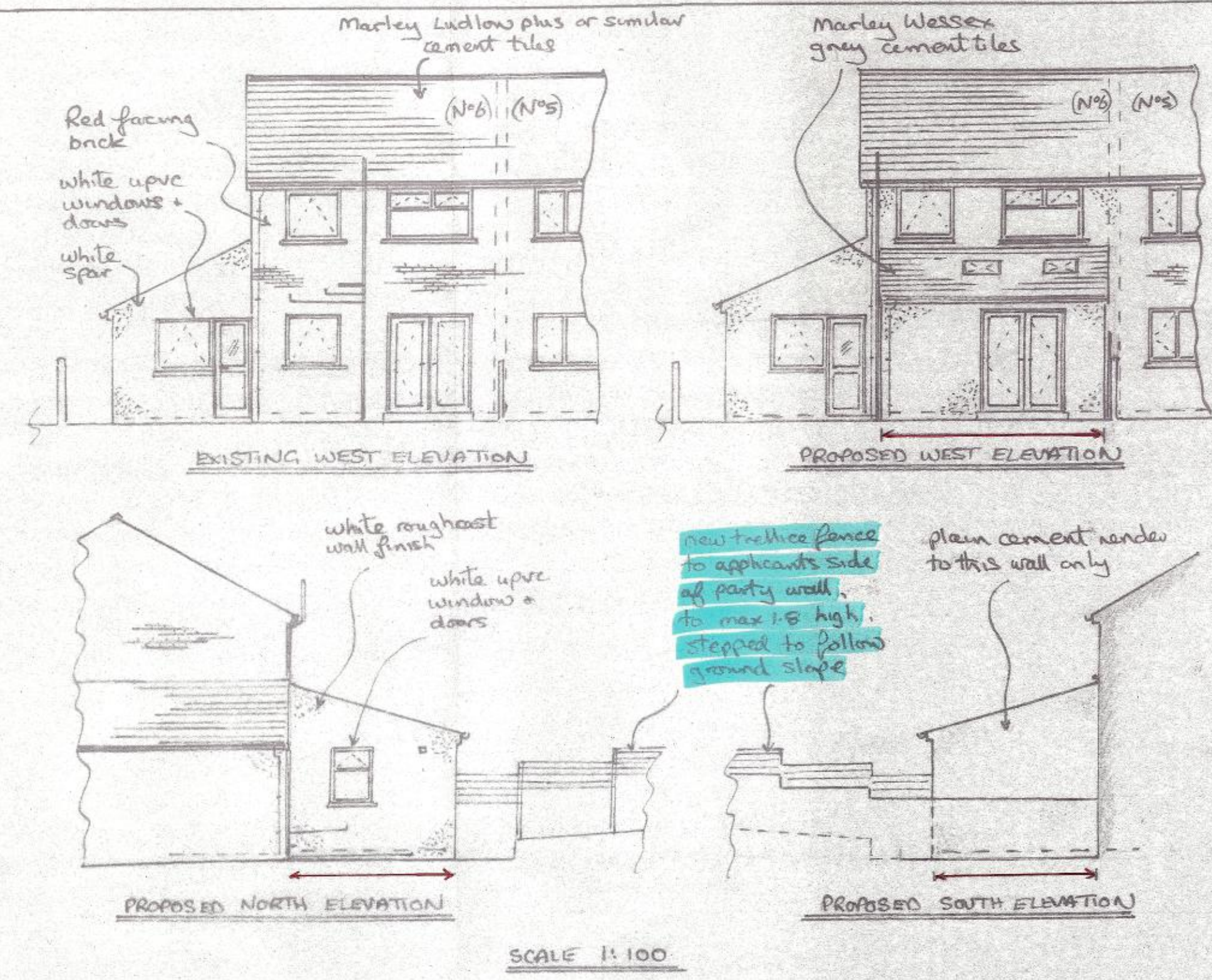
PARTITION OF 100x50(4x2) STUO AT 400(16) CRS, 127 (1/2") PLASTER BOARD + SKIM BOTH SIDES (10 kg/m²) 50 (2") MINERAL FIBRE QUIET SOUNDPROOFING CURTAIN BETWEEN.

2 OFF VELUX ROOF LIGHTS OVER, 780 x 980 (2'6 3/4" x 3'2 1/2"). 1.8 W x 2.1 W (5'11" x 6'11") UPVC DOUBLE DOOR SET.



- 1) ROOF COVERING TO BE 'MARLEY WESSEX' GREY CEMENT TILES TO OBTAIN 15° ROOF PITCH.
- 2) EXTERNAL WALL FINISH TO BE WHITE ROUGHCAST. PLAIN CEMENT RENDER TO N'S.
- 3) WINDOW + DOORS TO BE WHITE UPVC TO MATCH EXISTING. ROOFLIGHTS TO BE GREY FINISH.
- 4) ALL TIMBERWORK TO BE TREATED WITH A PRESERVATIVE.
- 5) WINDOW, DOOR + ROOFLIGHTS TO BE DRAUGHT SEALED + FRAMES SEALED INTO WALL/ROOF WITH MASTIC, + BE OF 'SECURE DESIGN' TO BS PAS 24:2012 OR EQUIVALENT.
- 6) CAVITIES AROUND OPENINGS, INCLUDING LINTELS, TO BE INSULATED TO PREVENT 'COLD BRIDGING', + CLOSED WITH MIN 1/2 HOUR FIRE RESISTANT MATERIAL.
- 7) ALL ELECTRICAL WORK TO BE DESIGNED, INSTALLED, INSPECTED + TESTED IN ACCORDANCE WITH BS 7671 (IEE WIRING REGS - LATEST EDITION) + WORK UNDERTAKEN BY AN INSTALLER REGISTERED UNDER SUITABLE ELECTRICAL 'SELF CERTIFICATION' SCHEME, OR QUALIFIED PERSON SUPPLYING A CERTIFICATE OF COMPLIANCE TO BUILDING CONTROL (UPON COMPLETION).
- 8) ALL ELECTRICAL SOCKETS + SWITCHES TO BE LOCATED BETWEEN 450 + 1200 (16'3" + 3'11") ABOVE FLOOR.
- 9) PROVIDE INTERNAL LIGHT FITTINGS CAPABLE OF TAKING 'EFFICIENT' LAMPS, EG FLUORESCENT-TUBE OR COMPACT, MIN 40 LUMENS PER CIRCUIT WATT. EXTERNAL LIGHTS TO BE EITHER EFFICIENT AS ABOVE, OR ON A TIMER + AUTOMATICALLY EXTINGUISHED IN DAYLIGHT.
- 10) REINFORCING TO CONCRETE LINTELS IS BE MIN 2 OFF M12 BARS IN LOWER PORTION.
- 11) INTERNAL DOOR TO BE MIN 806 (2'7 3/4") TO GIVE MIN CLEAR OPENING WIDTH OF 750 (2'5 1/2").
- 12) ALL DRAINAGE TO BE TO THE SATISFACTION OF LOCAL AUTHORITY + UNITED UTILITIES. EXISTING MAINS FOUL + SURFACE WATER SEWERS SERVE.
- 13) * SUNROOM TO HAVE OPENING DOORS/ROOFLIGHTS EQUAL TO AT LEAST 1/2 FLOOR AREA, + 8000mm² (131in²) TRICKLE VENTILATION.
 - * KITCHEN/DINER RETAINS SAME WITH EXIST DOOR + WINDOW.
 - * W.C TO HAVE ANY SIZE OPENING, 4000mm² (62in²) TRICKLE VENTILATION + 15 LITRE/SEC CAPACITY EXTRACTION FAN.
- 14) HOT WATER, + SPACE HEATING TO BE PROVIDED BY EXISTING GAS COMBI BOILER (LOCATED IN GARAGE), + EXIST RADIATOR SYSTEM - EXTENDED.
- 15) PROPOSED INVOLVES WORKS ON BOUNDARY WITH N'S. 'THE PARTY WALL 1996 ACT' APPLIES.
- 16) CONSERVATION OF ENERGY DETAILS

U VALUE OF FLOOR ... 0.22	U VALUE OF WALLS ... 0.26	U VALUE OF CEILING ... 0.16
INTERNAL FLOOR AREA OF EXTENSION = 13.12 m²	25% = 3.28 m²	834.5 m² (MAX NEW OPENINGS ALLOWED AT BASIC U VALUES)
AREA OF OPENINGS LOST DUE TO EXTENSION = 5.065 m²		
AREA OF WINDOW + FULLY GLAZED DOORS, UPVC, 20mm GAP DOUBLE GLAZED, EG 'SYSTEM 3', 1:1 NEUTRAL LOW'E, U VALUE 1.4 = 4.86 m²	U VALUE 1.4 = 4.86 m²	6.328 m² (0.2)
AREA OF ROOFLIGHTS, TIMBER, DOUBLE GLAZED, VELUX GLAZING TYPE GQH.0070 ... U VALUE 1.3 = 1.528 m²	U VALUE 1.3 = 1.528 m²	
- 17) GLASS PANELS IN DOORS TO BE TOUGHENED/LAMINATED TO BS. 6206, (1981)



150(6) DIA SALT GLAZED FOUL SEWER REPLACED WITH 160(6) WAVIN ULTRA RIB THROUGH EXTENSION, BRIDGED BY R.C. LINTELS THROUGH WALLS. ENCASED IN 150(6) PER GRAVEL UNDER FLOOR. RE-POSITIONED INSPECTION CHAMBER EITHER SAME CONSTRUCTION AS EXISTING, OR 225 (9") BRICK WALLS ON 150(6) CONIC BASE, WITH AIRTIGHT COVER (OR TO UNITED UTILITIES REQUIREMENTS). OTHER NEW DRAINS OF 100(4) DIA OSMO DRAIN UPVC, TO JOIN FOUL SEWER AT I.C. + RAINWATER DRAINS TO JOIN EXIST LINE ALONGSIDE GARAGE. SOIL/VENT STACK TO EXTEND MIN 900 (30") ABOVE UPPER WINDOW LEVEL, BRIDGED BY R.C. LINTELS THROUGH WALL. NEW W.C WASTE TO JOIN S.O.V. PIPE. SHOWER + BASIN WASTE APES OF 40(1 1/2") DIA UPVC, WITH 75 (3") DEEP SEAL TRAPS + TO DISCHARGE INTO SOIL/VENT STACK ABOVE, OR MIN 200 (8") BELOW SOIL CONNECTION.

PROPOSED
SCALE 1:50

