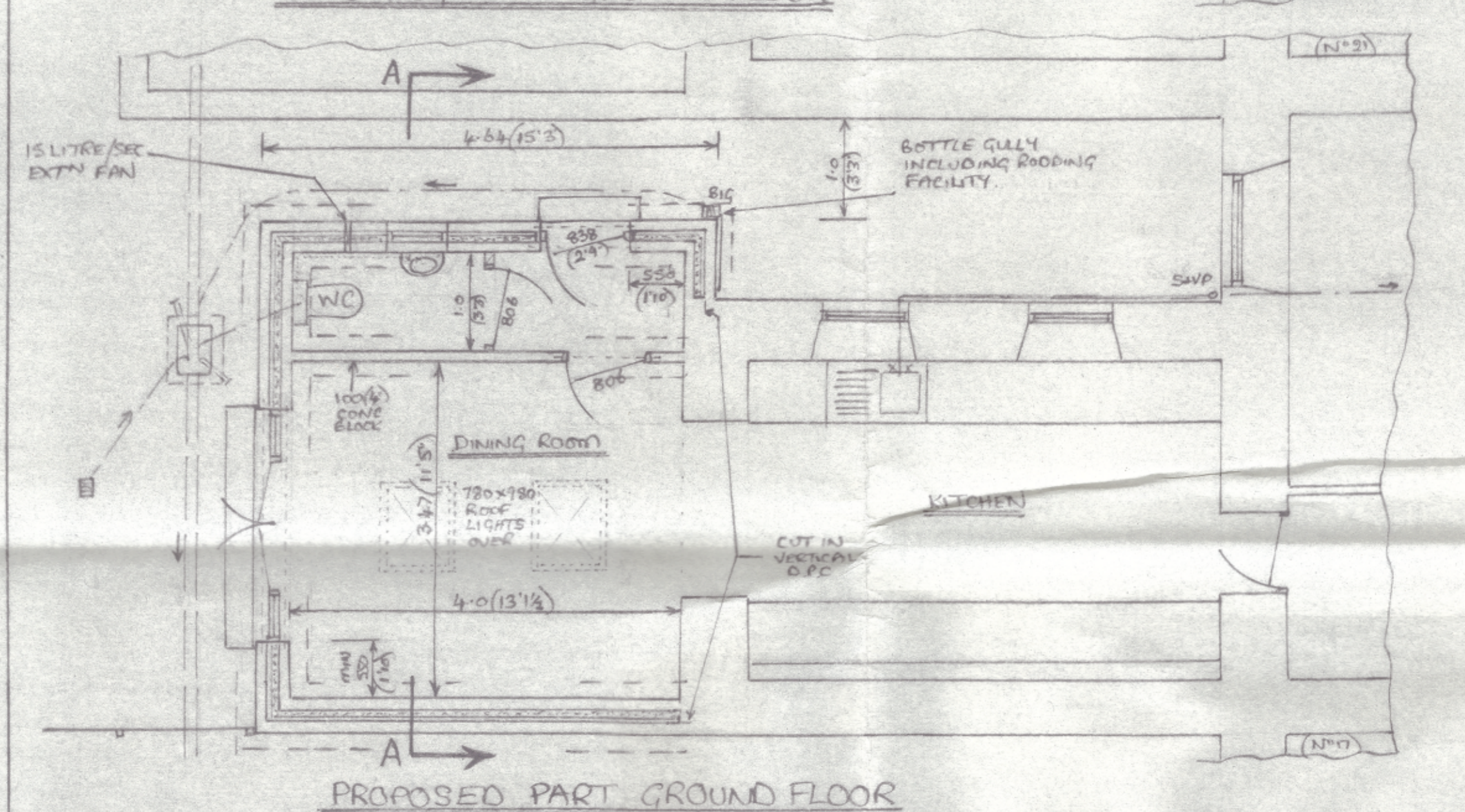
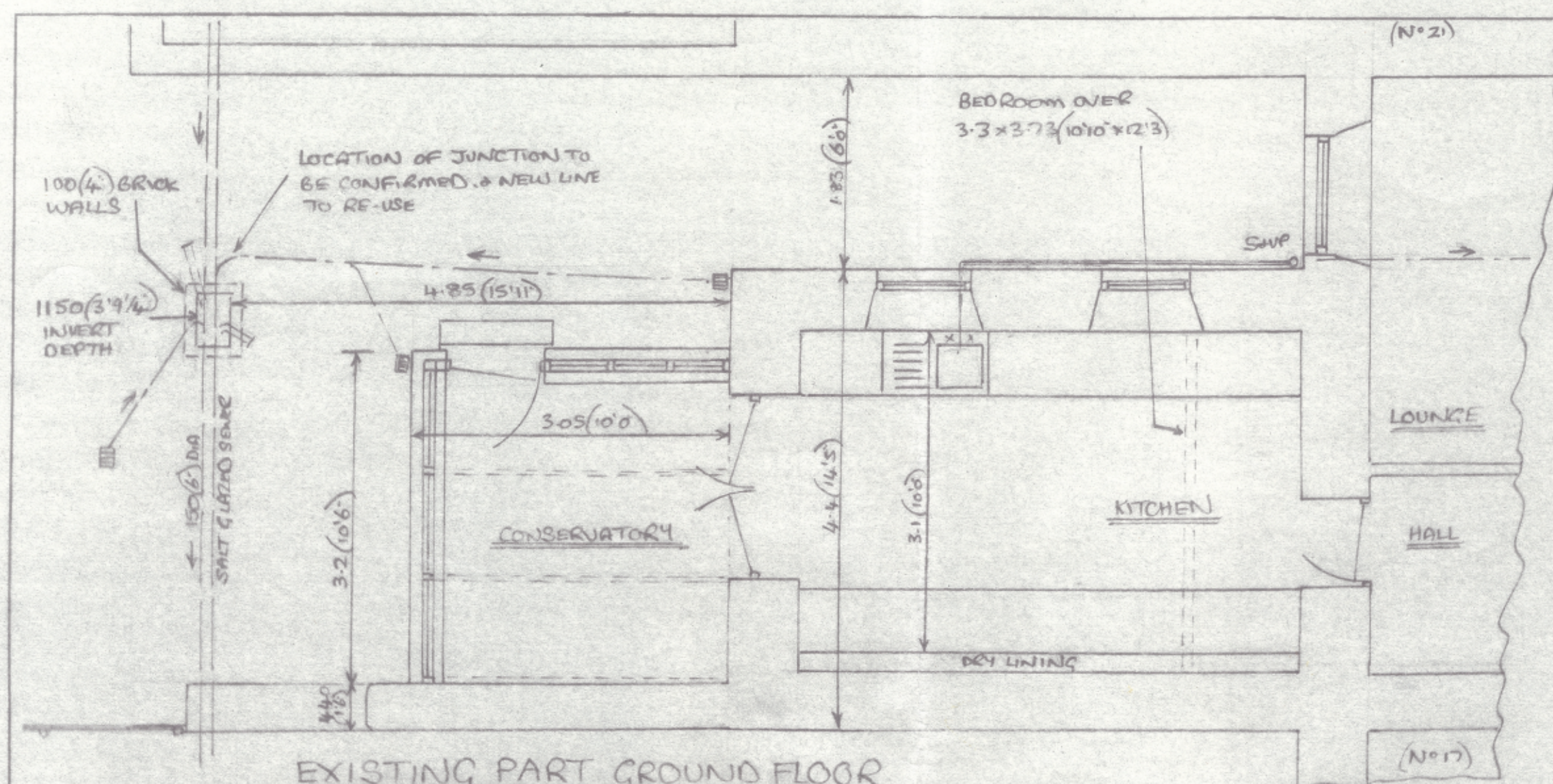




195 x 47 (7 1/2 x 1 1/8) RAFTERS AT 400 (16) CRS. PAIRED TO SIDES & AS TRIMMERS TO ROOF LIGHTS. GROWTHABLE FELT, 40 x 25 (1 1/2 x 1) BATTENS & MARLEY WESSEX CEMENT TILES. 15° PITCH

140 (5 1/2) KINGSPAN K7 BETWEEN RAFTERS TO LEAVE 50 (2) AIR GAP ABOVE. 500 GAUGE VISQUEEN VAPOUR BARRIER & 20 (3/4) BACKED 127 (1/2) PLASTERBOARD (K17) & SKIM UNDER U VALUE 0.145.

25 (1) AIR GAP ALONG EAVES. FIT FLYSCREENS

100 x 50 (4 x 2) WALL PLATES, SECURED BY BATS - TRAPS AT MAX 20 (6) CRS

115 (1/2) GUTTERING, ON FASCIA BOARD, 63 (2 1/8) DIA DOWNPIPES, IN U.PVC, & TO DISCHARGE INTO BOTTLE GULLY. R.W.P. FROM SOUTH SIDE OF 2 STORY SECTION TO BE CARRIED DOWN GABLE WALL & ALSO ENTER BOTTLE GULLY

SECTION A-A

SCALE 1:50

NEW DRAINS OF 100 (4) DIA U.PVC, BRIDGED BY R.C. UNTELS THROUGH WALL & SURROUNDED BY 150 (6) PER GRAVEL UNDER FLOOR & JOIN 150 (6) DRAIN AT I.C. GOSIN WASTE PIPE OF 40 (1 1/2) DIA U.PVC, WITH 75 (3) DEEP SEAL TRAP & DISCHARGE INTO MANHOLE AT W.C. OUTLET.

1150 (3 3/4) INVERT OF EXIST SEWER

1450 x 200 (1 1/2 x 8) CONC STRIP FOUND'S FOR 100 (4) CONC BLOCK PARTITION, STEPPED AS CAVITY WALL FOUND'S

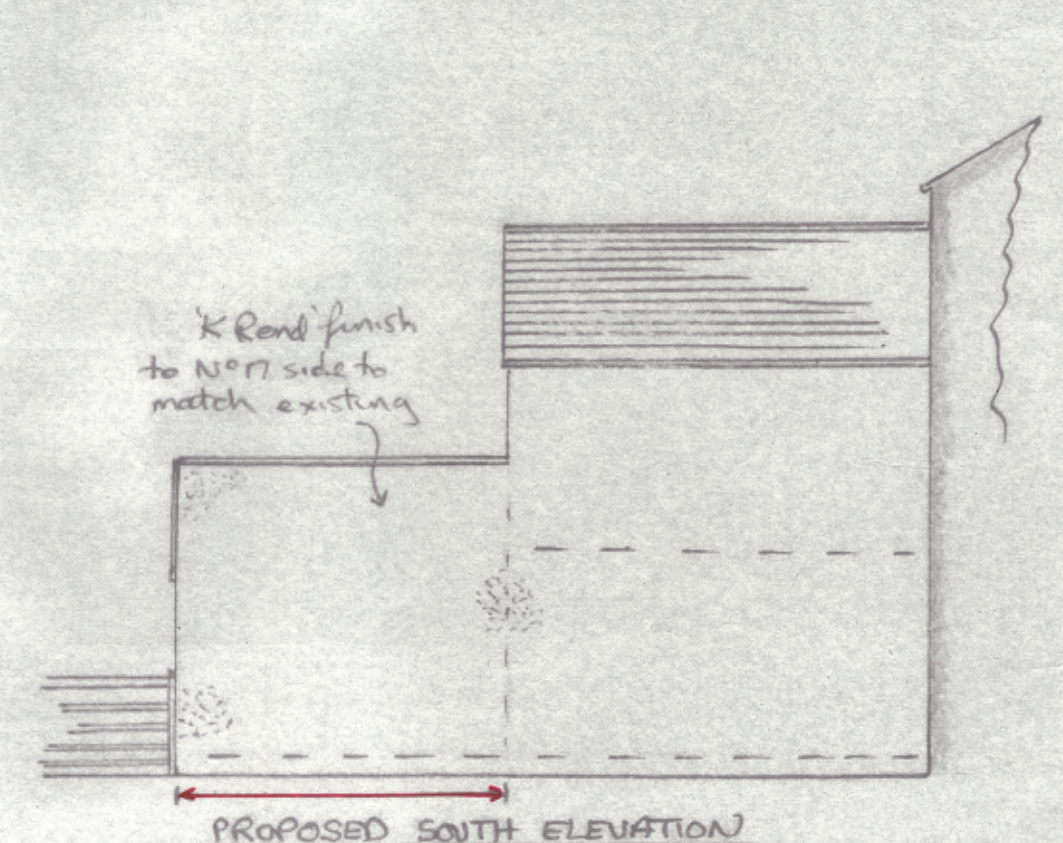
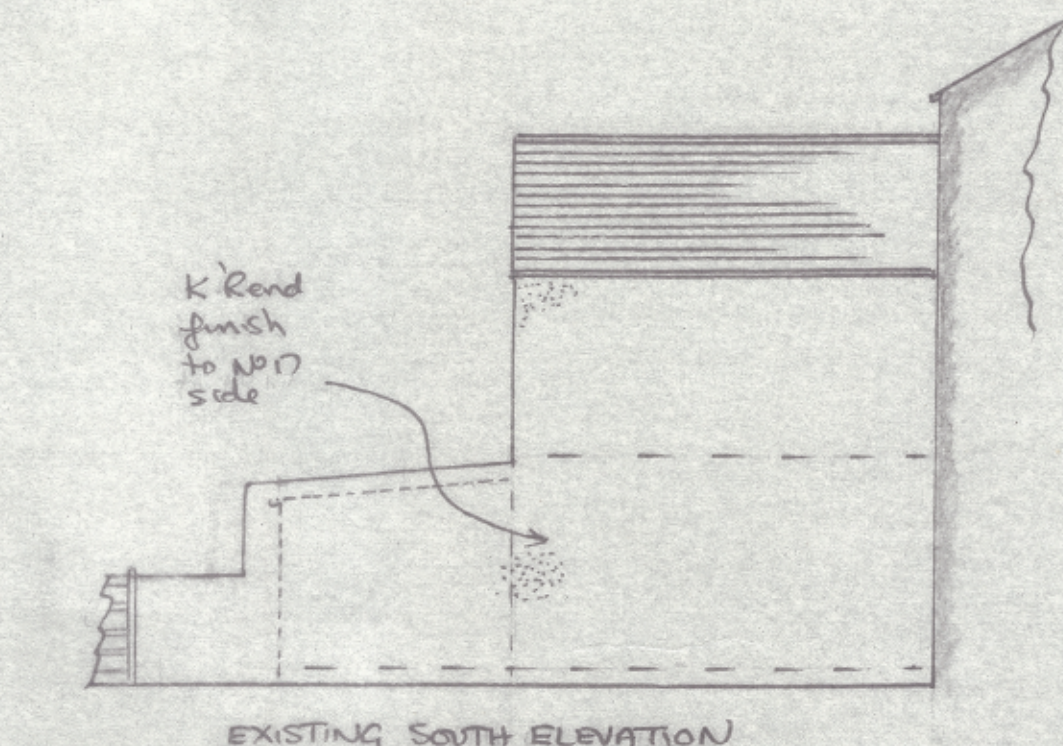
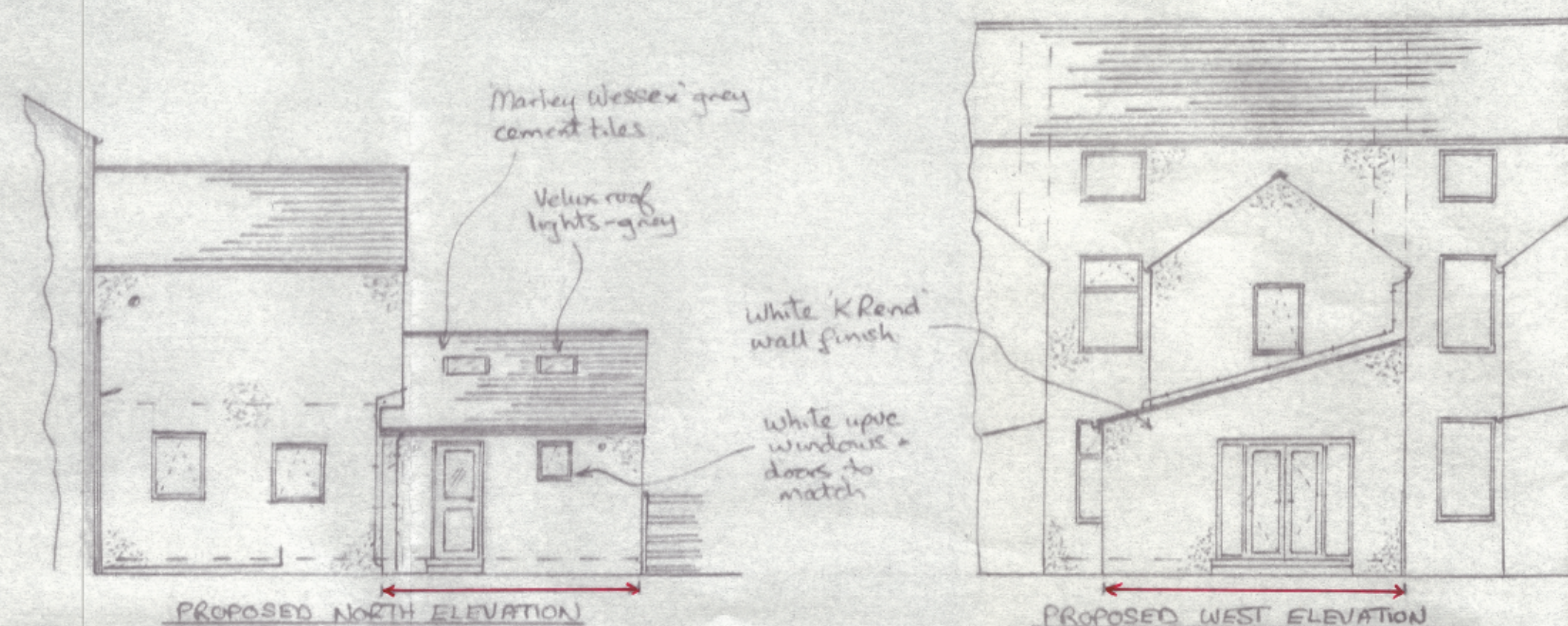
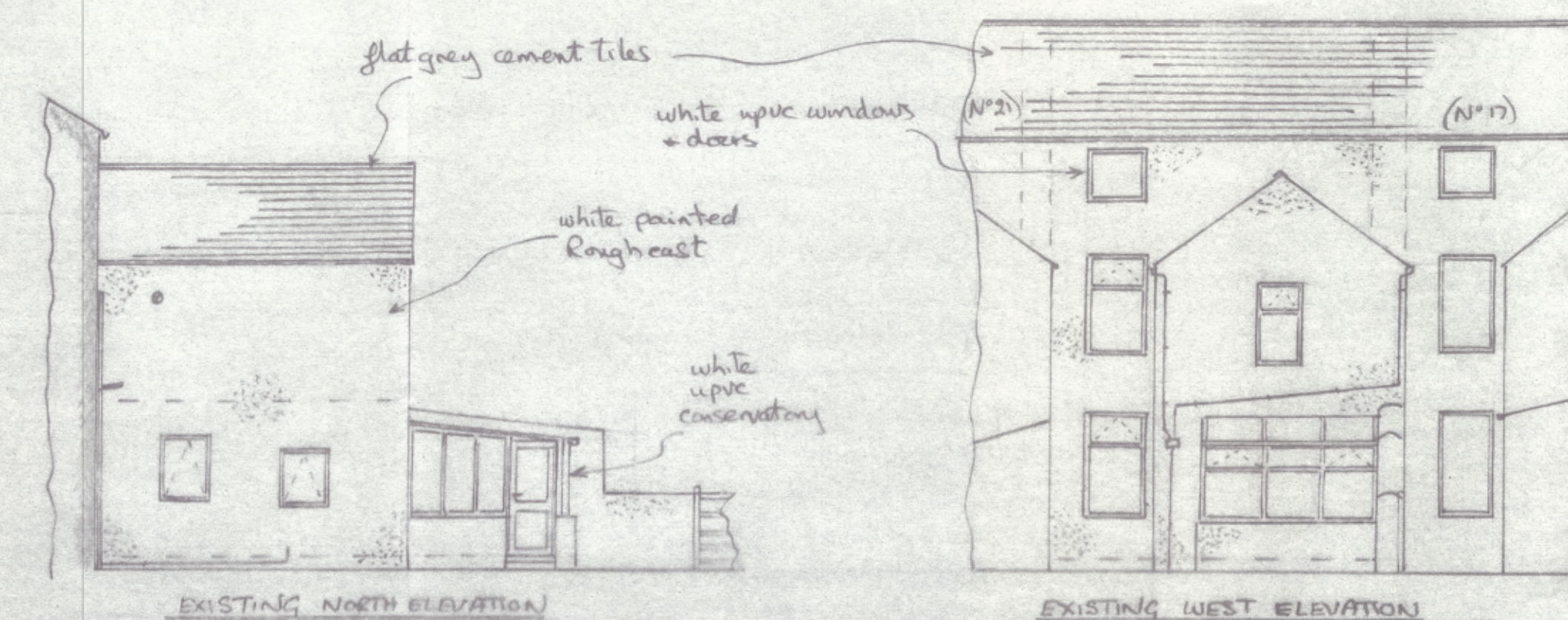
2 OFF 780 x 980 (2 3/4 x 3 1/2) VELUX ROOF LIGHTS, MK04, GLAZING TYPE QGU0070, U VALUE 1.3

RAISE SILL & FIT 780 x 1200 (2 3/4 x 3 1/2) FULLY OPENING WINDOW

150 (6) DEEP R.C. UNTELS FOR UP TO 1.83 (6) OPENINGS, 225 (9) DEEP FOR 2.4 (7 1/2) OPENING, VERTICAL & LINTEL D.P.C.

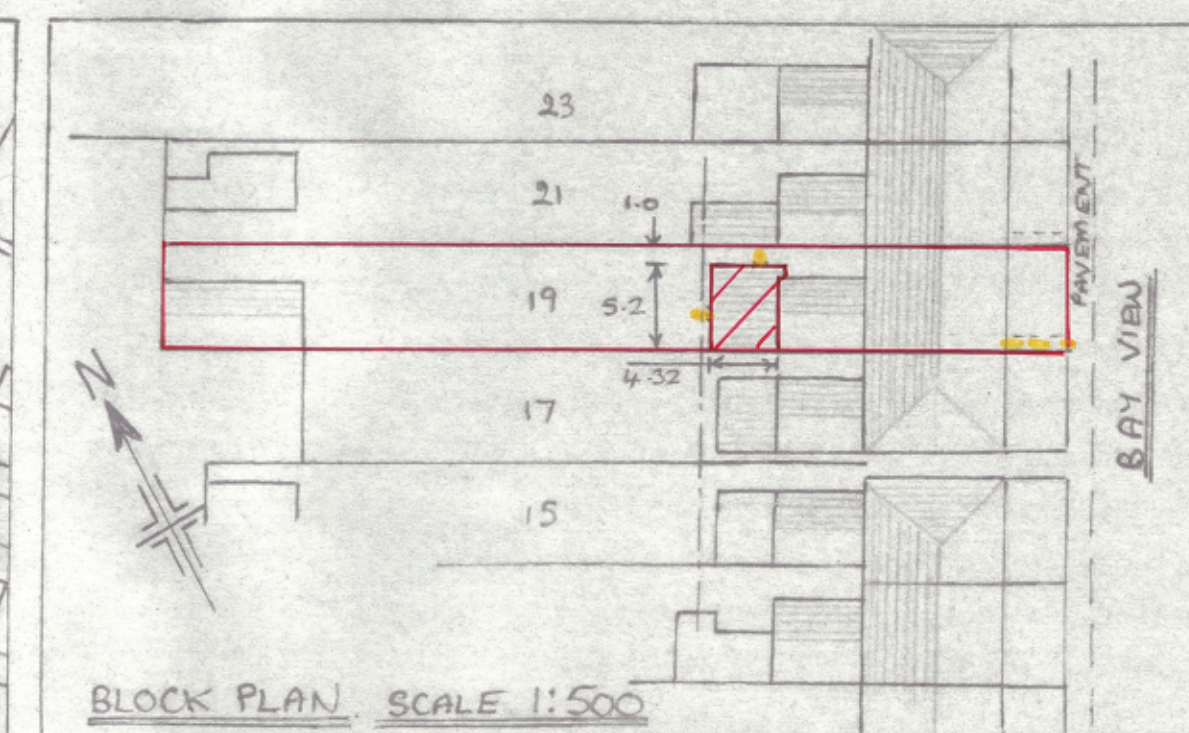
675 x 200 (2 3/4 x 8) CONC STRIP FOUNDATIONS, MIN 600 (20) DEEP, TO UNDER PIN EXIST WALLS AT JUNCTIONS, & TO STEP DOWN TO 1200 (31 1/2) DEEP ALONGSIDE DRAIN [MAX 200 (8) STEPS - MIN 400 (16) OVERLAPS] CAVITY WALLS OF 2 LEAF 100 (4) CONC BLOCK TIED INTO EXIST WALLS WITH 'CROSSBOLT' 3S PLATES & SCREWS. 115 (4 1/2) CAVITY, FILLED SOLID WITH CONC UP TO 225 (9) BELOW D.P.C. & SEALED OFF AT EAVES, 250 (6) LONG 5/8 WALLTIES (STAFIX RT2 OR SIMILAR) AT 750 (6) CRS HORIZONTALLY, 450 (16) CRS VERTICALLY & WITHIN 150 (6) EVERY BLOCK COURSE OF OPENINGS, TO (2 3/4) KINGSPAN K8 TO INNER LEAF IN CAVITY, TO LEAVE 45 (1 1/2) AIR GAP, 20 (3/4) RENDER & FINISH EXTERNAL, 120 (1/2) PLASTERBOARD ON PLASTER DABS & SKIM INTERNAL. ALL JOINTS & EDGES TAPE SEALED, & ELECTRICAL BACKBOXES, CONDUITS ETC TO BE SEALED WITH MASTIC TO MAINTAIN AIR TIGHTNESS. U VALUE 0.26

150 (6) HARDCORE, SCREENED WITH SAND, 1200 GAUGE VISQUEEN D.P.M., 100 (4) 'KINGSPAN' K3, 500 GAUGE VISQUEEN VAPOUR BARRIER & 100 (4) CONC, U VALUE 0.22



SCALE 1:100

- 1) ROOF COVERING TO BE MARLEY WESSEX GREY CEMENT TILES.
 - 2) EXTERNAL WALL FINISH TO BE WHITE 'K' REND
 - 3) WINDOWS & DOORS TO BE WHITE UPVC TO MATCH EXISTING, & ROOFLIGHTS TO BE GREY COLOUR.
 - 4) ALL TIMBERWORK TO BE TREATED WITH A PRESERVATIVE.
 - 5) WINDOWS, DOORS & ROOFLIGHTS TO BE DRAUGHT SEALED, & FRAMES SEALED INTO WALLS/ROOF WITH MASTIC, TO BE OF SECURE DESIGN TO BS. PAS 24:2012, OR EQUIVALENT
 - 6) 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.
 - 7) ALL ELECTRICAL SOCKETS & SWITCHES TO BE LOCATED BETWEEN 450 & 1200 (1 1/2 & 3 1/4) ABOVE FLOOR.
 - 8) PROVIDE INTERNAL LIGHT FITTINGS, CAPABLE OF TAKING 'EFFICIENT' LAMPS, EG FLUORESCENT - TUBE OR COMPACT, MIN 40 LUMENS PER CIRCUIT WATT.
 - 9) EXTERNAL LIGHTS TO BE EITHER 'EFFICIENT' AS ABOVE, OR ON A TIMER & AUTOMATICALLY EXTINGUISHED IN DAYLIGHT.
 - 10) REINFORCING TO CONCRETE UNTELS, TO BE MIN 2 OFF M.S. BARS IN LOWER PORTION.
 - 11) GLASS PANELS IN DOORS, ADJACENT TO, & ANY WINDOW PANEL LESS THAN 800 (2 1/4) ABOVE FLOOR, TO BE TIGHTENED/LAMINATED TO BS. 6206 (1981)
 - 12) INTERNAL DOORS TO BE MIN 806 (2 7/8) TO GIVE MIN CLEAR OPENING WIDTH OF 750 (2 1/2). EXTERNAL DOOR TO BE MIN 838 (2 5/8) TO GIVE MIN CLEAR OPENING WIDTH OF 800 (2 7/8)
 - 13) KITCHEN/DINER TO HAVE OPENING WINDOWS/DOORS/ROOFLIGHTS EQUAL TO AT LEAST 1/20 COMBINED FLOOR AREA, & 8000 mm² (13 m²) TRICKLE VENTILATION.
 - 14) W.C. ANY SIZE OPENING, 4000 mm² (6 1/2 m²) TRICKLE VENTILATION & 15 LITRE/SEC CAPACITY EXTRACTION FAN
 - 15) 1ST FLOOR BEDROOM TO RETAIN OPENING WINDOW EQUAL TO AT LEAST 1/20 FLOOR AREA & 8000 mm² (13 m²) TRICKLE VENTILATION
 - 16) ALL DRAINAGE TO BE TO THE SATISFACTION OF LOCAL AUTHORITY, EXISTING PUBLIC MAINS COMBINED SEWERS SERVE.
 - 17) HOT WATER, & SPACE HEATING TO BE PROVIDED BY EXISTING GAS COMBI. BOILER, & EXISTING RADIATOR SYSTEM EXTENDED.
 - 18) CONSERVATION OF ENERGY DETAILS (EXTENSION)
- U VALUE OF FLOOR ... 0.22, U VALUE OF WALLS ... 0.26, U VALUE OF SLOPING CEILING ... 0.145
- INTERNAL FLOOR AREA OF EXTENSION = 18.28 m², ∴ 25% = 4.57 m² + AREA OF OPENING LOST DUE TO EXT^N = 3.56 m² = TOTAL 8.13 m² (MAX NEW OPENINGS AT BASIC U VALUES)
- AREA OF WINDOW & FULLY GLAZED DOORS, U.PVC, MIN 20 mm GAP D/G, EG SYSTEM 3, 11 NEUTRAL LOW'E ... U VALUE 1.4 = 5 1/4 m²
- AREA OF U.PVC DOOR, HALF D/G AS ABOVE ... U VALUE 1.8 = 1.995 m²
- AREA OF ROOF LIGHTS, TIMBER FRAME, D/G, VELUX 2017 SPEC QUOTES FOR GLAZING TYPE QGU0070 ... U VALUE 1.3 = 1.528 m²
- TOTAL = 8.923 m² (SEE CALC'S SHEET 2)
- 17) NEW BEDROOM WINDOW TO FORM ALTERNATIVE MEANS OF ESCAPE IN CASE OF FIRE, BOTTOM OF OPENING NO MORE THAN 1100 (3 3/4) ABOVE FLOOR
- 18) PROPOSED INVOLVES WORKS ON BOUNDARY WITH NO 17, 'THE PARTY WALL ACT 1996' APPLIES



PROPOSED EXTENSION AT 19 BAY VIEW, MILLOM, FOR MR N. MAC DONALD