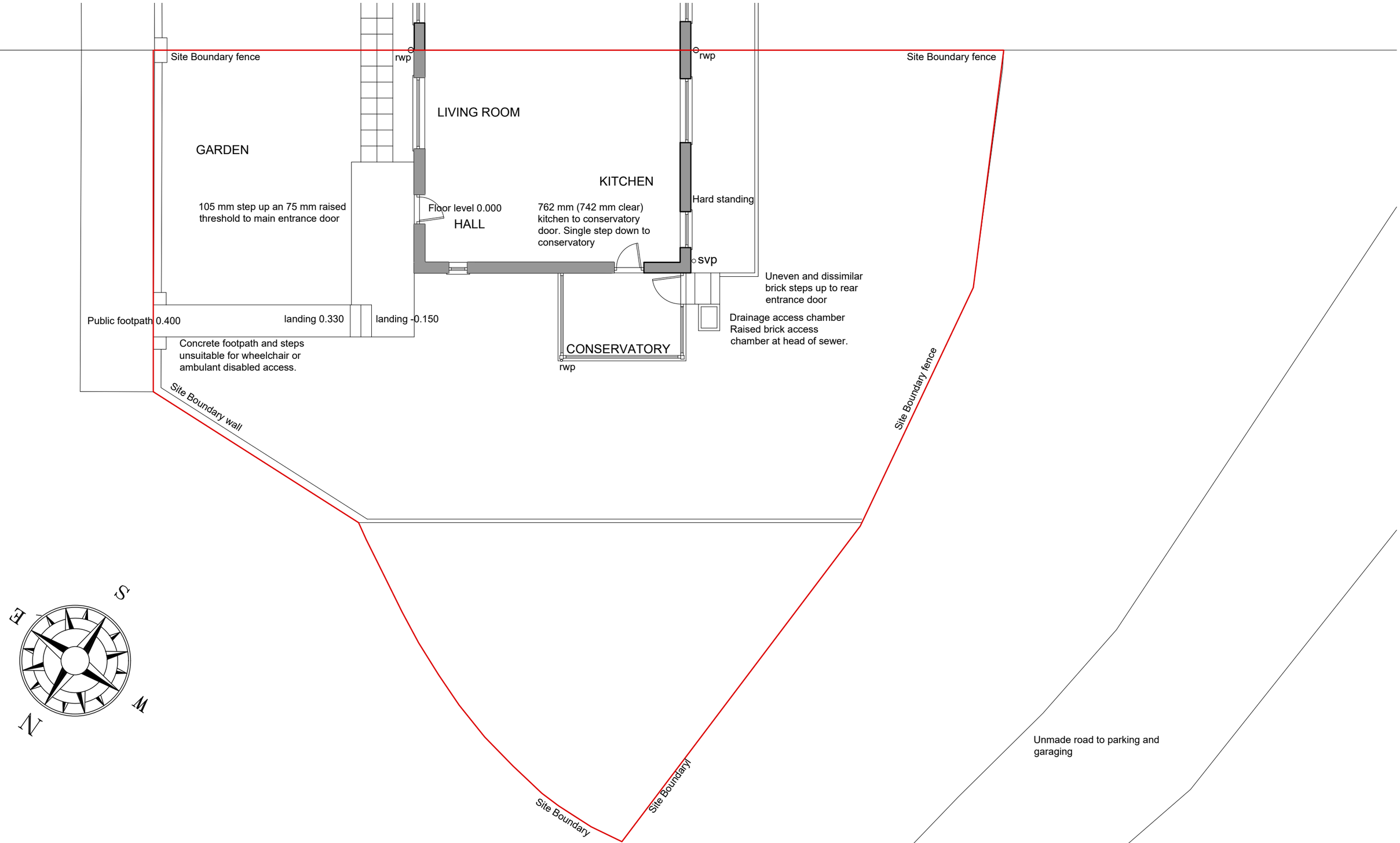
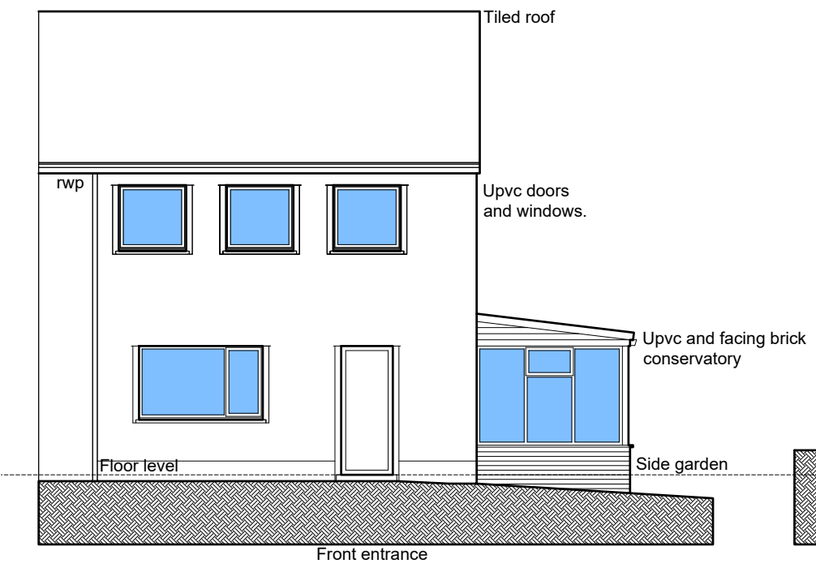


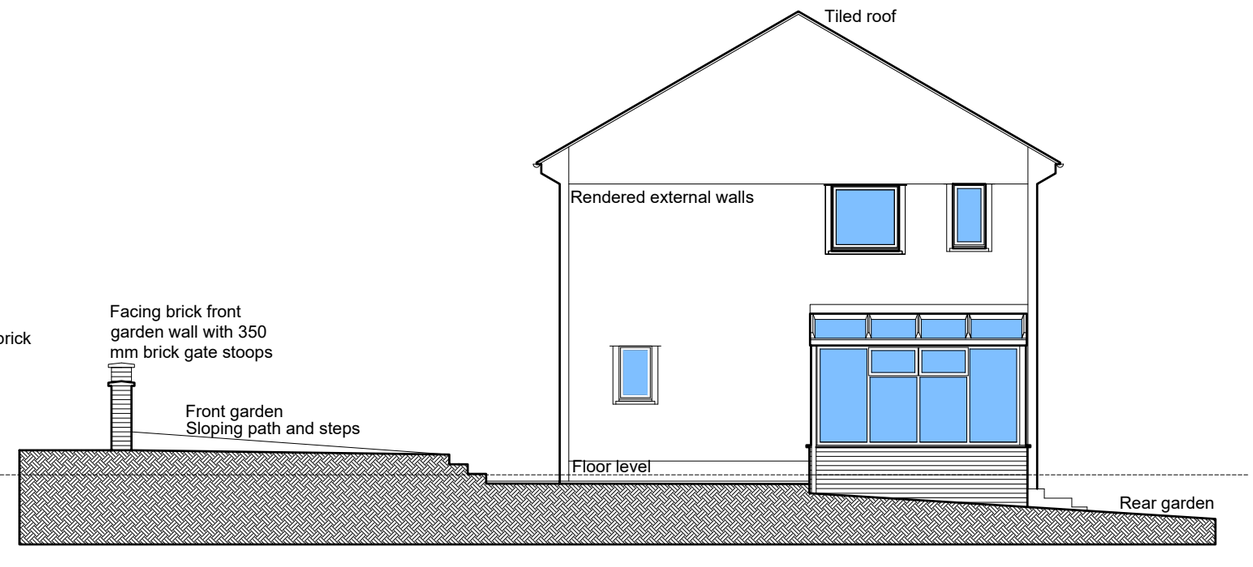
GROUND FLOOR PLAN

SCALE BAR 1/200 ORIGINAL DRAWING SIZE A3	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0 metres		80.0 metres	70.0	60.0	50.0	40.0	30.0	20.0	10.0	0.0	SCALE BAR 1/500
SCALE BAR 1/100	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0 metres		400.0 metres	350.0	300.0	250.0	200.0	150.0	100.0	50.0	0.0	SCALE BAR 1/2500
SCALE BAR 1/50	0.0		1.0		2.0		3.0		4.0		5.0 metres											

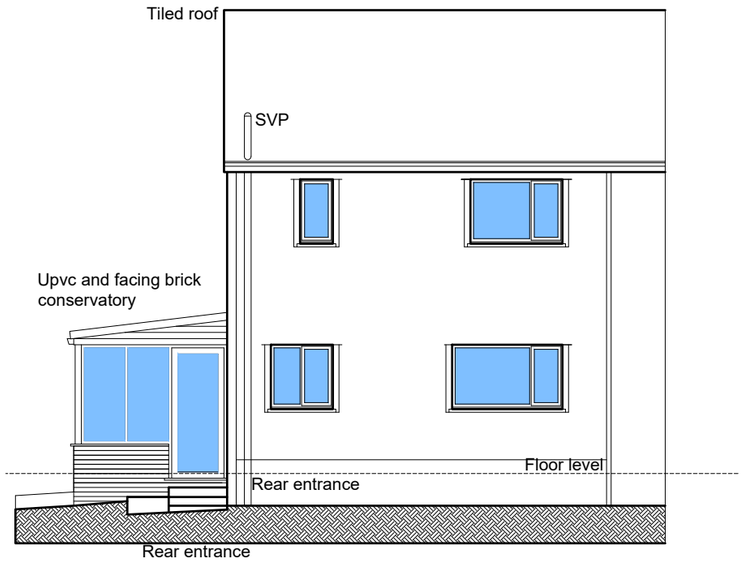
10 MEADOW ROAD MIREHOUSE WHITEHAVEN CUMBRIA CA28 8EN FOR MR and MRS DORAN	SURVEY EXISTING PLAN. GROUND FLOOR PLAN AND LOCATION PLAN	Scale: 1/100 @ A3 Date: FEB 2023 DWG No. 23/0372/1.	REV Date	**Geoffrey Wallace Limited** FCSD MCIAT **Architectural Design and Technology** **Mobile 07816046756** **geoffreywallaceltd@gmail.com**



FRONT ELEVATION EXISTING



END ELEVATION EXISTING



REAR ELEVATION EXISTING

SCALE BAR 1/200 ORIGINAL DRAWING SIZE A3	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0 metres		80.0 metres	70.0	60.0	50.0	40.0	30.0	20.0	10.0	0.0	SCALE BAR 1/500
SCALE BAR 1/100	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0 metres		400.0 metres	350.0	300.0	250.0	200.0	150.0	100.0	50.0	0.0	SCALE BAR 1/2500
SCALE BAR 1/50	0.0		1.0		2.0		3.0		4.0		5.0 metres											

10 MEADOW ROAD MIREHOUSE WHITEHAVEN CUMBRIA CA28 8EN FOR MR and MRS DORAN	EXISTING ELEVATIONS		Scale: Date: DWG No.	1/100 @ A3 FEB 2023 23/0372/2.	REV Date

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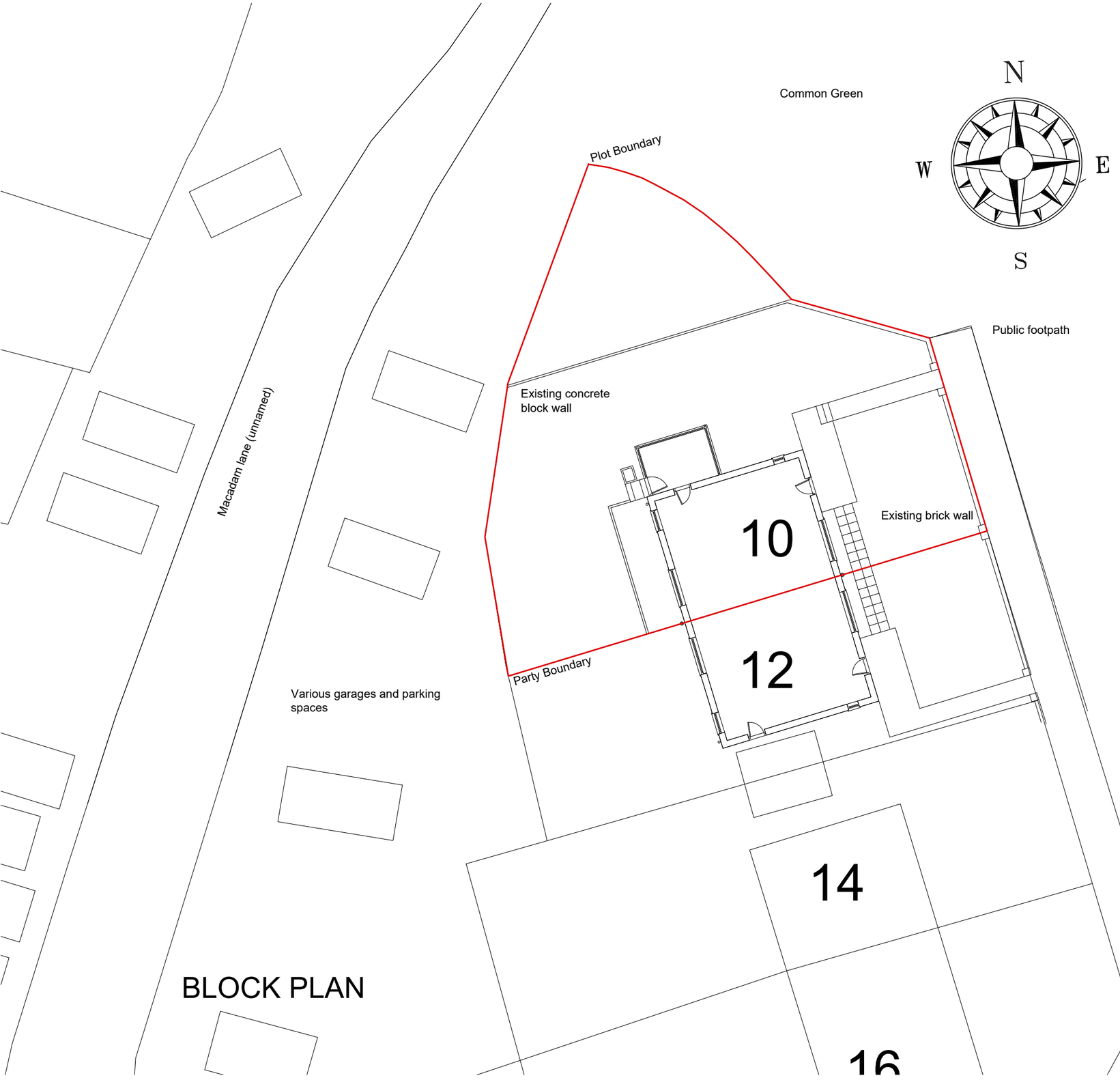

BLOCK PLAN

LOCATION PLAN 1/1250 Scale

SCALE BAR 1/200 ORIGINAL DRAWING SIZE A3	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0 metres		80.0 metres	70.0	60.0	50.0	40.0	30.0	20.0	10.0	0.0	SCALE BAR 1/500
SCALE BAR 1/100	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0 metres		400.0 metres	350.0	300.0	250.0	200.0	150.0	100.0	50.0	0.0	SCALE BAR 1/2500
SCALE BAR 1/50	0.0		1.0		2.0		3.0		4.0		5.0 metres											

10 MEADOW ROAD MIREHOUSE WHITEHAVEN CUMBRIA CA28 8EN FOR MR and MRS DORAN	EXISTING BLOCK AND LOCATION PLANS		Scale: Date: DWG No.	1/200 @ A3 FEB 2023 23/0372/3.	REV Date

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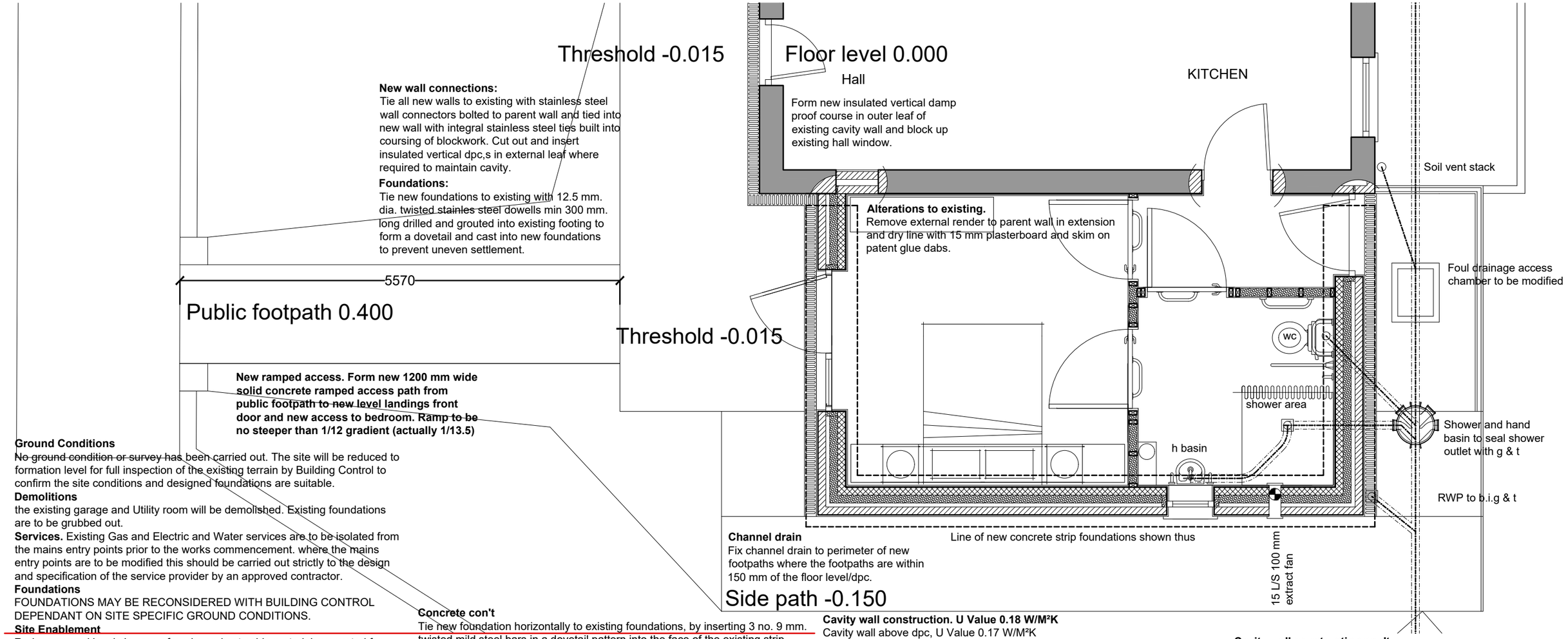

Ground Conditions
No ground condition or survey has been carried out. The site will be reduced to formation level for full inspection of the existing terrain by Building Control to confirm the site conditions and designed foundations are suitable.

Demolitions
the existing garage and Utility room will be demolished. Existing foundations are to be grubbed out.

Services. Existing Gas and Electric and Water services are to be isolated from the mains entry points prior to the works commencement. where the mains entry points are to be modified this should be carried out strictly to the design and specification of the service provider by an approved contractor.

Foundations
FOUNDATIONS MAY BE RECONSIDERED WITH BUILDING CONTROL DEPENDANT ON SITE SPECIFIC GROUND CONDITIONS.

Site Enablement
Reduce ground levels in area of works and set aside material excavated for reuse landscaping the garden and ramp. Remove from site any unused materials
Where drains and underground service are uncovered, they should be checked and recorded.

New extension.
Foundation trenches to be excavated to suit dimensions indicated and taken down to virgin ground for inspection by Local Authority Building Control officer. Depth may vary according to site conditions and site contours, but the top of concrete must be minimum 450 mm. below the finished ground level. Strip foundations to be generally 640 mm. wide x 225 mm. min. deep to external cavity walls and 450 mm. x 225 mm. min. for 100 mm. load bearing internal walls or with minimum 150 mm. toe where wall thickness may vary. Form all steps in level of foundations in vertical increments of 225 mm. to suit block coursing, and with min 300 mm horizontal overlaps.

Concrete
Concrete to be premixed C20P as described in tables 1 and 2 of BS EN 206:2013 + A1:2016 maximum size aggregate to be 20 mm. All concrete shall be distributed and placed in position as quickly as practicable by a method which precludes contamination, segregation or loss of materials, compaction shall be complete before the initial set commences. Partial set concrete shall not be reworked or used. All concreting shall be continuous to completion or to an approved construction joint.
During the first seven days the concrete shall be protected by whatever means to prevent over rapid drying. Steps in the foundations are overlap by twice the height of the step or by 300 mm. whichever is the greater and should not be of greater height than the thickness of the foundation. In general steps should be in increments of 225 mm. to suit block coursing.

Concrete con't
Tie new foundation horizontally to existing foundations, by inserting 3 no. 9 mm. twisted mild steel bars in a dovetail pattern into the face of the existing strip foundations and install new concrete foundations to fully surround steel connections, to form a horizontal tie between the two foundations, to prevent uneven settlement.

New cavity wall below DPC generally.
350 mm. thick cavity walls consisting of 100 mm. thick solid concrete block with 150 mm wide cavity back filled with concrete to ground level max 225 mm below dampproof course and 100 mm. solid concrete block inner leaf. Cavity wall ties to be Ancon ST1 Type 1 Tie to PD 6697 (Masonry Heavy Duty) or similar specifically designed for 150 mm to 175 mm. cavities at 750 mm. horizontal centres and 450m vertical centres, offset 375 mm. horizontally to form a diamond pattern. Fix additional wall ties every course at all corners and jambs. Between ground level and floor level, fix bituthene Hyload DPCs continuous across the cavity to both inner and outer leaves of walls and integrated with the Gas and Damp proof floor membrane at min of 150 mm. above ground level.

Ground Floor Construction. U Value 0.12 W/M²K
Allow for flooring finish thickness on 100 mm concrete floor slab on 500-gauge Visqueen vapour barrier on 150 mm Celotex GA4000 floor insulation slabs on 1200 gauge damp proof membrane. All on 50 mm sharp sand blinding on minimum 150 mm thick sand blinded hard-core sub-base laid and consolidated in 150 mm layers no thicker than 600 mm. deep. Visqueen Damp Proof Membrane is to overlap D.P.C. in inner leaf of external walls to form a permanent damp proof barrier. All damp proof courses, and vapour barriers are to be overlapped and taped as recommended in the manufacture's specification for the location and purpose. New ground floor to be level with existing ground floor

Cavity wall construction. U Value 0.18 W/M²K
Cavity wall above dpc, U Value 0.17 W/M²K
350 mm. thick cavity walls consisting of rendered 100 mm thick dense concrete block external leaf 50 mm. clear cavity with 100 mm Kingspan Kooltherm K108 insulation or similar and 100 mm. thick Celcon Standard Insulation high strength 7.3 N/mm² block inner leaf.
Render to be smooth self-coloured to appear similar to existing rendered external insulation
All walls are to be built in a manner to ensure the building would pass a pressure test to achieve 5.5 M³ / (h.M²) at 50PA or better
Walls are to be dry lined internally with minimum 15 mm. high density humidity resistant plasterboard on dabs or patent glue spot fixing.
Fix insulated cavity closers (150 mm Kingspan Kooltherm or similar) at all jambs and cills to doors and windows and fix tray under cills and lintels to heads of openings.
Cavity wall ties to be Ancon ST1 Type 1 Tie to PD 6697 (Masonry Heavy Duty) with ferrules to support insulation or similar specifically designed for 150 mm to 175 mm cavities at 750 mm. horizontal centres and 450m vertical centres, offset 375 mm. horizontally to form a diamond pattern or as otherwise recommended by the wall insulation manufacturer.
Where expansion joints are required (10 to 12 metre centres in blockwork) Use compressible brick joint roll, Fillcrete or similar and Ancon 225 mm PPS movement joint slip ties with debonding sleeves, or similar, and weather seal with Sika Waterbar® or similar.
Fix additional wall ties every course at all corners expansion joints and jambs.
Seal heads of cavities with inert fire-proof material 6mm thick Masonite or similar bedded in mortar and fixed between toes of spars.
Fix Catnic Cougar or IG type stainless steel or galvanised lintels or similar designed for 150 mm. cavities. Lintels to have insulated voids and integral cavity trays and minimum bearing of 150 mm. Fix additional bitumen or pvc trays in severe weather areas.

Cavity wall construction con't
Fix additional bitumen or pvc trays in severe weather areas. Fix perpend joint weep holes in outer leaf at 600 mm. centres above all cavity trays. And over concrete lintels in outer leaf.
Lintel schedule to be supplied to Building Control by the selected manufacturer 21 days prior to installation.

Existing external parent wall becoming internal wall.
Strip off any external render in area of extension abutment.
Form vertical insulated dpc to outer leaf of parent cavity wall at abutment with new extension cavity walls. Cut out to form cavity tray with flashing at at abutment with extension roof. Roof fabric to be upturned under the abutment flashing. Block up unrequired window in existing hall and make good.

Non-Structural stud partitions:
Fix new stud partitions to layout shown. Partitions to be 100 mm x 47 mm. timber studs at 400 mm. centres built off 100 mm x 75 mm. sole plates with solid bracing at maximum 900 mm. vertical centres.
Fix 10kg/m² 15 mm thick high density humidity resistant plasterboard and skim both sides. Fully insulate between studs with Rockwool insulation to reduce the passage of airborne sound. Bolt vertical studs to adjacent walls to provide lateral restraint to walls and studs to form rigid grid.

Building Regulations Only. Named products.
Where products are named in the specification the developer can substitute similar products provided the specification of the products meets or exceeds the selected product specification.

FLOOR PLANS

SCALE BAR 1/200 ORIGINAL DRAWING SIZE A3	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0 metres		80.0 metres	70.0	60.0	50.0	40.0	30.0	20.0	10.0	0.0	SCALE BAR 1/500
SCALE BAR 1/100	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0 metres		400.0 metres	350.0	300.0	250.0	200.0	150.0	100.0	50.0	0.0	SCALE BAR 1/2500
SCALE BAR 1/50	0.0		1.0		2.0		3.0		4.0		5.0 metres											

10 MEADOW ROAD MIREHOUSE WHITEHAVEN CUMBRIA CA28 8EN FOR MR and MRS DORAN	FLOOR PLAN GENERAL ARRANGEMENT	ALTERATION AND EXTENSION FOR ACCESSIBLE GROUND FLOOR BEDROOM AND SHOWER ROOM	Scale: Date: DWG No.	1/50 @ A3 FEB 2023 23/0367/4	REV Date

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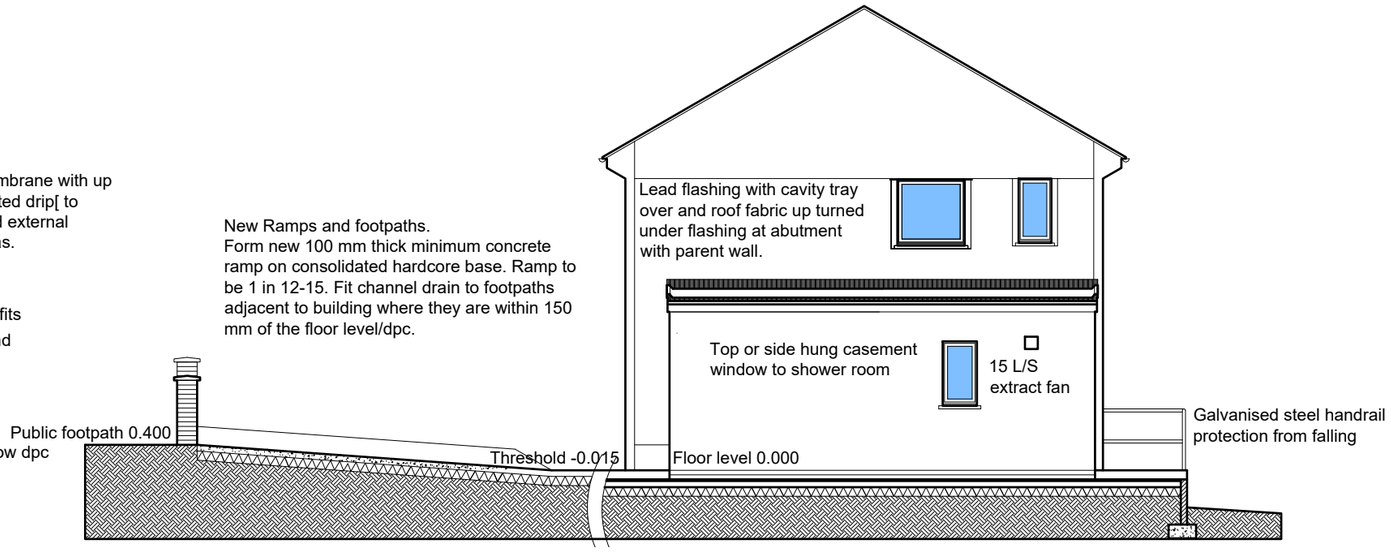
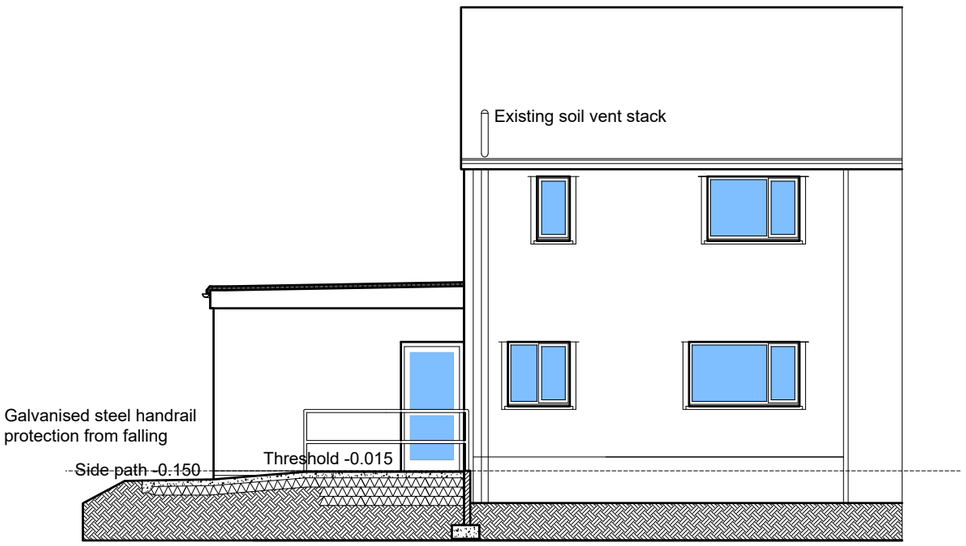
FRONT ELEVATION PROPOSED



END ELEVATION PROPOSED



REAR ELEVATION PROPOSED

SCALE BAR 1/200 ORIGINAL DRAWING SIZE A3	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0 metres		80.0 metres	70.0	60.0	50.0	40.0	30.0	20.0	10.0	0.0	SCALE BAR 1/500
SCALE BAR 1/100	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0 metres		400.0 metres	350.0	300.0	250.0	200.0	150.0	100.0	50.0	0.0	SCALE BAR 1/2500
SCALE BAR 1/50	0.0		1.0		2.0		3.0		4.0		5.0 metres											

10 MEADOW ROAD MIREHOUSE WHITEHAVEN CUMBRIA CA28 8EN FOR MR and MRS DORAN	PROPOSED ELEVATIONS	ALTERATION AND EXTENSION FOR ACCESSIBLE GROUND FLOOR BEDROOM AND SHOWER ROOM	Scale: Date: DWG No.	1/100 @ A3 FEB 2023 23/0372/5	REV Date

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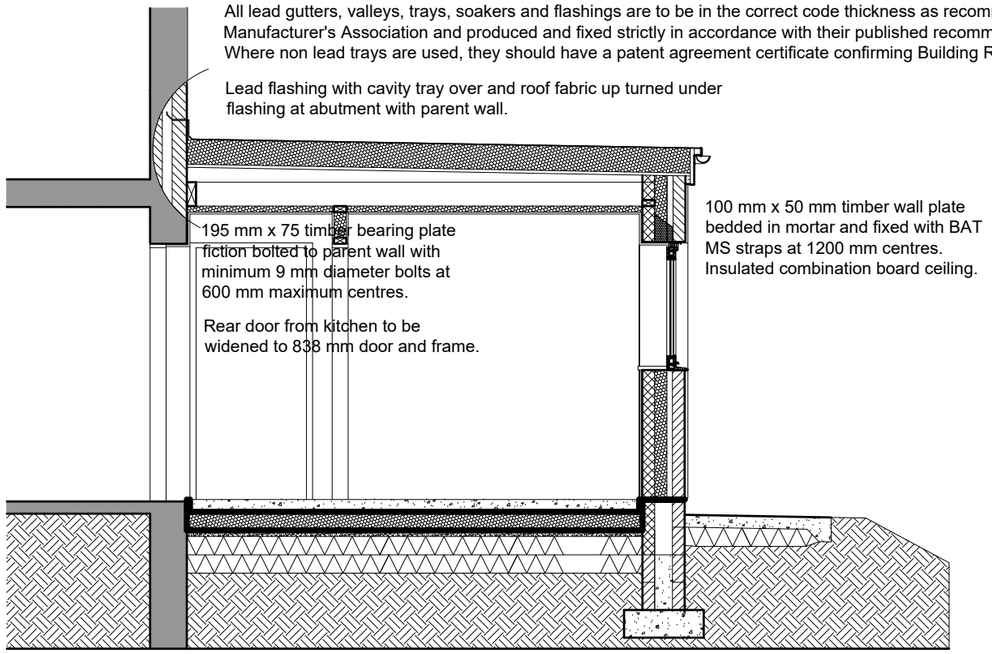
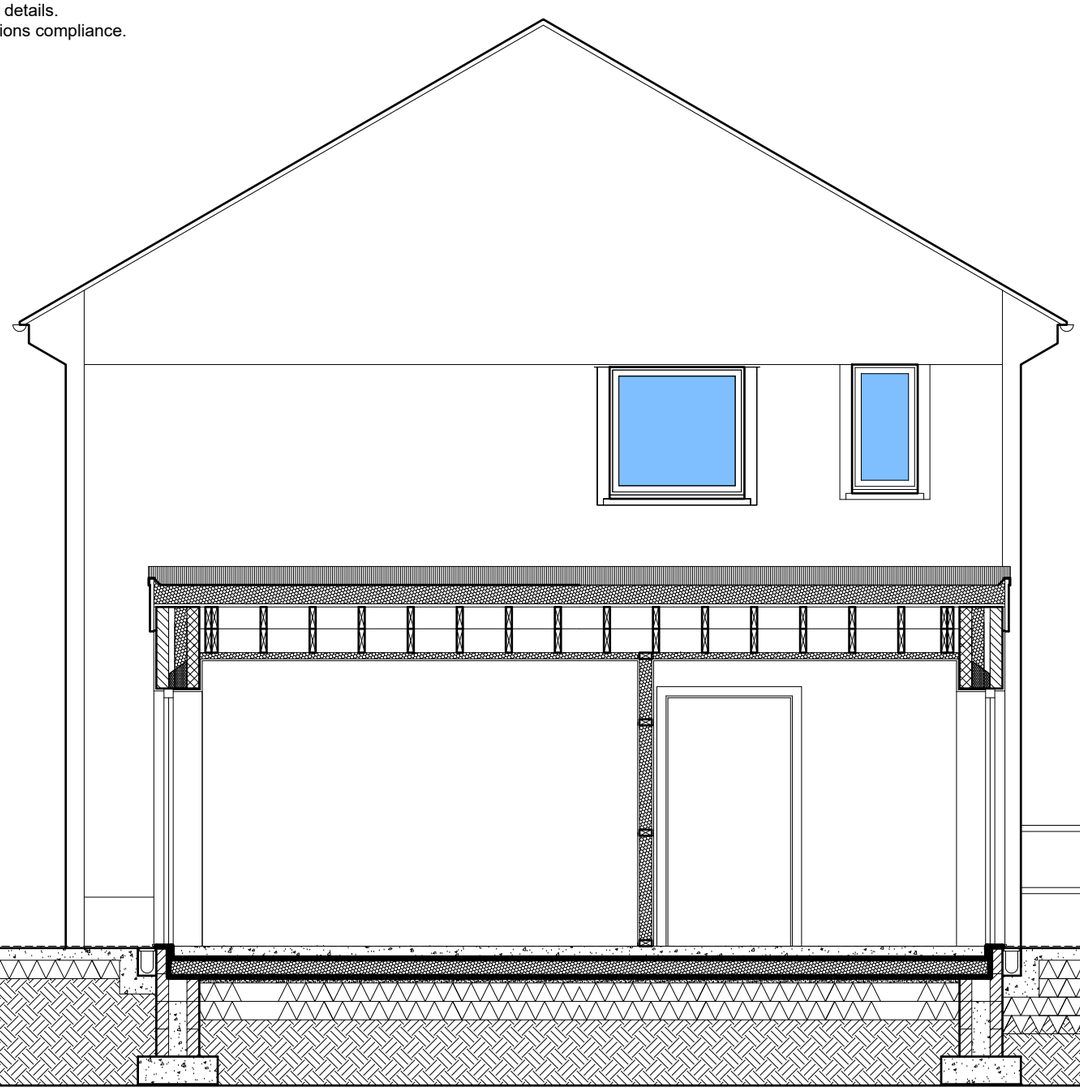
Roof Construction Fabric.
The roof type will be a warm roof with insulation over the roof decking.
Single ply fibre backed roofing membrane, Sanafil or similar, fixed by a manufacturer recommended and approved installer on 140 mm Celotex XR400 or similar adhered to 25 mm thick external quality plywood roof decking.
All roof fabric details fixtures and fittings roof outlet gully etc. are to be strictly as recommended and detailed by the roof fabric product manufacturer/installer.
Fix code 4 lead flashing over up turned roof fabric at parent wall abutments to form weather sealed abutments and copings.
Roof to fall across the extention to the rainwater gutter downpipe and yard gully at minimum gradient of 1in 40 fall or as otherwise recommended by the fabric manufacturer.

Roof Structure
Roof to have minimum 1 in 40 falls across the roof to the rainwater gutter.
Roof structure to be minimum 50 mm x 50 mm timber tapering timber firrings on 195 mm x 50 mm C16 timber flat roof joists at 400 mm centres supported on 100 mm x 50 mm wall plate on mortar bed and fixed to head of inner leaf of cavity walls. Fix wall plates with BAT Metal straps at 1500 mm centres.
Fit BAT MS 305 galvanised steel straps to head of all new walls and across minimum 3 no. joist parallel or along the side of joists perpendicular to walls to provide lateral supports to the structure.
Line ceilings with 500 gauge Visqueen vapour barrier and 25mm/12.5mm (15mm) combination insulation and plasterboard and skim ceiling with 3 mm plaster skim finish.
ALL TIMBERS ARE TO BE MARKED KILN DRIED
Leadworks to roofs.
All lead gutters, valleys, trays, soakers and flashings are to be in the correct code thickness as recommended by the Lead Sheet Manufacturer's Association and produced and fixed strictly in accordance with their published recommended details.
Where non lead trays are used, they should have a patent agreement certificate confirming Building Regulations compliance.



CROSS SECTION



REAR ELEVATION PROPOSED

SCALE BAR 1/200 ORIGINAL DRAWING SIZE A3	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0 metres		80.0 metres	70.0	60.0	50.0	40.0	30.0	20.0	10.0	0.0	SCALE BAR 1/500
SCALE BAR 1/100	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0 metres		400.0 metres	350.0	300.0	250.0	200.0	150.0	100.0	50.0	0.0	SCALE BAR 1/2500
SCALE BAR 1/50	0.0		1.0		2.0		3.0		4.0		5.0 metres											

10 MEADOW ROAD MIREHOUSE WHITEHAVEN CUMBRIA CA28 8EN FOR MR and MRS DORAN	PROPOSED ELEVATIONS	ALTERATION AND EXTENSION FOR ACCESSIBLE GROUND FLOOR BEDROOM AND SHOWER ROOM	Scale: Date: DWG No.	1/50 @ A3 FEB 2023 23/0367/6	REV Date

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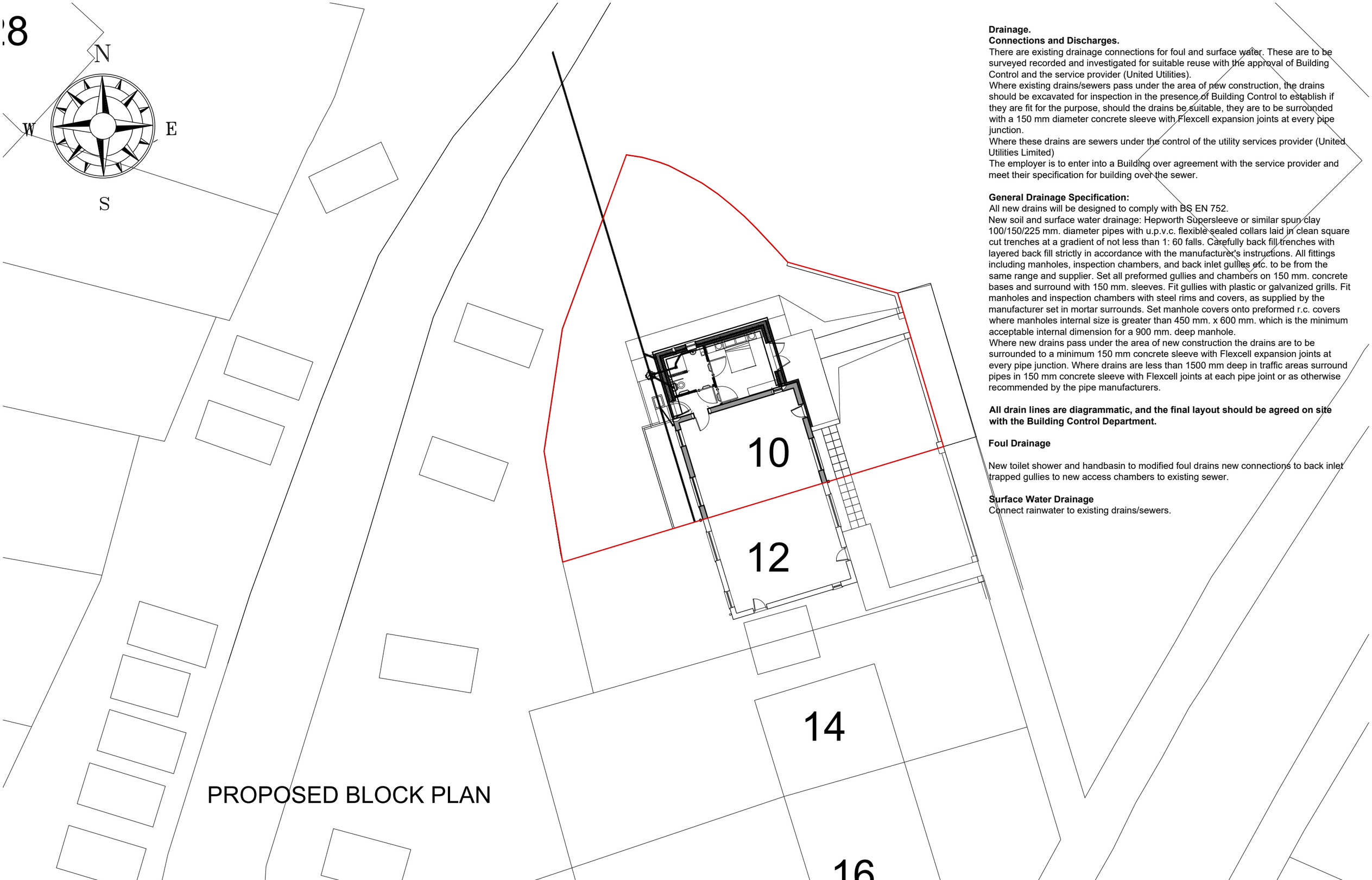

PROPOSED BLOCK PLAN

Drainage.
Connections and Discharges.
There are existing drainage connections for foul and surface water. These are to be surveyed recorded and investigated for suitable reuse with the approval of Building Control and the service provider (United Utilities).
Where existing drains/sewers pass under the area of new construction, the drains should be excavated for inspection in the presence of Building Control to establish if they are fit for the purpose, should the drains be suitable, they are to be surrounded with a 150 mm diameter concrete sleeve with Flexcell expansion joints at every pipe junction.
Where these drains are sewers under the control of the utility services provider (United Utilities Limited)
The employer is to enter into a Building over agreement with the service provider and meet their specification for building over the sewer.

General Drainage Specification:
All new drains will be designed to comply with BS EN 752.
New soil and surface water drainage: Hepworth Supersleeve or similar spun clay 100/150/225 mm. diameter pipes with u.p.v.c. flexible sealed collars laid in clean square cut trenches at a gradient of not less than 1: 60 falls. Carefully back fill trenches with layered back fill strictly in accordance with the manufacturer's instructions. All fittings including manholes, inspection chambers, and back inlet gullies etc. to be from the same range and supplier. Set all preformed gullies and chambers on 150 mm. concrete bases and surround with 150 mm. sleeves. Fit gullies with plastic or galvanized grills. Fit manholes and inspection chambers with steel rims and covers, as supplied by the manufacturer set in mortar surrounds. Set manhole covers onto preformed r.c. covers where manholes internal size is greater than 450 mm. x 600 mm. which is the minimum acceptable internal dimension for a 900 mm. deep manhole.
Where new drains pass under the area of new construction the drains are to be surrounded to a minimum 150 mm concrete sleeve with Flexcell expansion joints at every pipe junction. Where drains are less than 1500 mm deep in traffic areas surround pipes in 150 mm concrete sleeve with Flexcell joints at each pipe joint or as otherwise recommended by the pipe manufacturers.

All drain lines are diagrammatic, and the final layout should be agreed on site with the Building Control Department.

Foul Drainage

New toilet shower and handbasin to modified foul drains new connections to back inlet trapped gullies to new access chambers to existing sewer.

Surface Water Drainage
Connect rainwater to existing drains/sewers.

SCALE BAR 1/200 ORIGINAL DRAWING SIZE A3	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0 metres		80.0 metres	70.0	60.0	50.0	40.0	30.0	20.0	10.0	0.0	SCALE BAR 1/500
SCALE BAR 1/100	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0 metres		400.0 metres	350.0	300.0	250.0	200.0	150.0	100.0	50.0	0.0	SCALE BAR 1/2500
SCALE BAR 1/50	0.0		1.0		2.0		3.0		4.0		5.0 metres											

10 MEADOW ROAD MIREHOUSE WHITEHAVEN CUMBRIA CA28 8EN FOR MR and MRS DORAN	BLOCK AND LOCATION PLANS	ALTERATION AND EXTENSION TO REPLACE EXISTING GARAGE AND UTILITY ROOM	Scale: Date: DWG No.	1/200 @ A3 FEB 2023 23/0727/7	REV Date

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