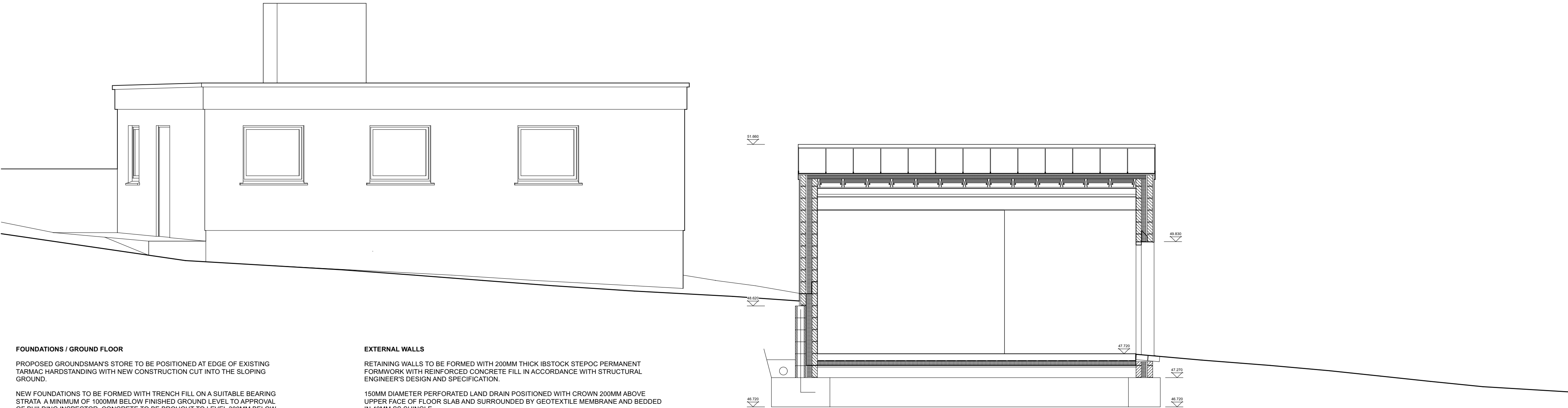




FOUNDATIONS / GROUND FLOOR

PROPOSED GROUNDSMAN'S STORE TO BE POSITIONED AT EDGE OF EXISTING TARMAC HARDSTANDING WITH NEW CONSTRUCTION CUT INTO THE SLOPING GROUND.

NEW FOUNDATIONS TO BE FORMED WITH TRENCH FILL ON A SUITABLE BEARING STRATA A MINIMUM OF 1000MM BELOW FINISHED GROUND LEVEL TO APPROVAL OF BUILDING INSPECTOR. CONCRETE TO BE BROUGHT TO LEVEL 300MM BELOW D.P.M.

RETAINING WALLS AND FOUNDATION TO BE CONFIRMED TO STRUCTURAL ENGINEER'S DESIGN.
ALLOW FOR CONCRETE FOUNDATION TO RETAINED GROUND TO SUIT TYPE 200 IBSTOCK STEPOC RETAINING WALL SYSTEM INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION.

FOUNDATION TO RETAINING WALLS TO BE 100MM WIDE X 550MM DEEP WITH VERTICAL REINFORCING L-SHAPED BARS POSITIONED ON THE CENTRELINE OF THE FOUNDATIONS AT APPROPRIATE CENTRES FOR BLOCK TYPE. WITH THE FREQUENCY TO BE DETERMINED BY THE STRUCTURAL ENGINEER.
THE VERTICAL BARS SHOULD HAVE A MINIMUM OF 40MM COVER. THE FOUNDATIONS SHOULD BE LAID AS LEVEL AS PRACTICABLE TO AVOID EXCESSIVE MORTAR BEDDING (MAX 10MM) ON THE FIRST COURSE, WHICH IS BEDDED TO A STRETCHED LINE.

FOUNDATION TO NORTH GABLE TO BE REDUCED WIDTH OF 600MM CENTRED UNDER 315MM WALL CONSTRUCTION OVER.

CONCRETE INFILL STRENGTH TO TYPE 200 IBSTOCK STEPOC RETAINING WALL SYSTEM AS SPECIFIED BY STRUCTURAL ENGINEER BUT NOT LESS THAN A C32/40, WITH A MINIMUM SLUMP OF 150MM (S4) AND A MAXIMUM AGGREGATE SIZE OF 10MM. THE MIX SHOULD CONTAIN NO LESS THAN 380KG OF OPC PER CUBIC METRE. FILLING OF THE BLOCKS SHOULD BE IDEALLY ACCOMPLISHED BY A CONCRETE PUMP AND THE DESIGN OF THE CONCRETE SHOULD TAKE THIS INTO ACCOUNT. A REDUCER NOZZLE CAN BE USED TO REDUCE THE FLOW OF CONCRETE.

INNER LEAF OF STOREROOM WALLS TO BE BUILT OFF FOUNDATIONS 115MM FROM INNER FACE OF RETAINING BLOCKS.

RETAINING CONSTRUCTION TO HAVE 150MM DIAMETER PERFORATED LAND DRAIN AROUND PERIMETER POSITIONED WITH CROWN 200MM ABOVE UPPER FACE OF FOUNDATION AND SURROUNDED BY GEOTEXTILE MEMBRANE AND BEDDED IN 40MM SS SHINGLE. WITH TRENCHES LINED WITH OLDROYD TP OR SIMILAR APPROVED FILTER FLEECE.
LAND DRAIN TO DISCHARGE TO SOAKAWAY 5000MM CLEAR OF BUILDING.

SUB-BASE OF INERT GRADED GRANULAR FILL LAID IN LAYERS NOT EXCEEDING 125MM IN DEPTH, EACH LAYER FULLY COMPACTED. SUB-BASE TO BE BLINDED WITH SAND OR CRUSHED FINE MATERIAL TO A LEVEL OF +0.25MM.

DAMP PROOF MEMBRANE TO BE ISOLA PLATON P20 FLOOR MEMBRANE, OR SIMILAR, WITH JOINTS WELL LAPPED OVER THE OVER ROLLED SUBGRADE LAPPED AND SEALED WITH ISOLA PLATON P8 CAVITY DRAIN TO RETAINING WALLS.
ISOLA PLATON P8 TO BE SECURED TO INNER FACE OF RETAINING WALL WITH ISOLA BLUEBIRD SCREW TIES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

DPM TO HAVE ANY JOINTS LAPPED 150MM AND SEALED. SERVICE PENETRATIONS TO BE SEALED TO FORM RADON BARRIER AS GAS-TIGHT AS POSSIBLE.

FLOOR INSULATION TO BE KINGSPAN THERMAFLOOR TF70 INSULATION, 80MM THICK AND LAID OVER D.P.M.

FLOOR INSULATION TO BE CUT TO SIZE AS NECESSARY AND LAID WITH CLOSELY BUTTED STAGGERED TO BREAK BOND PATTERN.
USE SCAFFOLD BOARDS OR OTHER PROTECTION TO PREVENT WHEELBARROWS AND OTHER TRAFFIC DAMAGING THE INSULATION.
SEPARATING MEMBRANE POLYTHENE SHEET (NOT LESS THAN 125 MICRON / 500 GAUGE) LAID OVER INSULATION AS A VAPOUR CONTROL LAYER. ENSURE THE POLYTHENE SHEET HAS 150 MM OVERLAPS, TAPED AT THE JOINTS, AND IS TURNED UP 100 MM AT THE WALLS.

CONCRETE SLAB LAID OVER INSULATION SLOPING UP AWAY FROM DOOR WITH MINIMUM THICKNESS AT DOOR THRESHOLD 120MM.

THE SURFACE OF THE SLAB SHOULD BE SMOOTH AND FREE FROM PROJECTIONS. THOROUGH CLEANING OF THE FLOOR AND REMOVAL OF ALL PROJECTIONS IS ESSENTIAL.

EXTERNAL WALLS

RETAINING WALLS TO BE FORMED WITH 200MM THICK IBSTOCK STEPOC PERMANENT FORMWORK WITH REINFORCED CONCRETE FILL IN ACCORDANCE WITH STRUCTURAL ENGINEER'S DESIGN AND SPECIFICATION.

150MM DIAMETER PERFORATED LAND DRAIN POSITIONED WITH CROWN 200MM ABOVE UPPER FACE OF FLOOR SLAB AND SURROUNDED BY GEOTEXTILE MEMBRANE AND BEDDED IN 40MM SS SHINGLE.
LAND DRAIN TO DISCHARGE TO SOAKAWAY 5000MM CLEAR OF BUILDING.

INNER FACE TO STEPOC BLOCKWORK TO RECEIVE ISOLA PLATON P8 CAVITY DRAIN SYSTEM INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, AND TO LAP AND BE SEALED WITH PLATON P20 FLOOR MEMBRANE AND TO CAVITY TRAYS AT PERIMETER.

NEW EXTERNAL WALLS ABOVE RETAINING CONSTRUCTION TO BE 100MM DENSE CONCRETE WITH INNER FACE LINING THROUGH WITH INNER FACE OF RETAINING WALL. 115MM CAVITY WITH 90MM THICK KINGSPAN K106 CAVITY BOARD INSULATION INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
100MM DENSE CONCRETE INNER LEAF WITH FAIR FACE FINISH TO STORE ROOM AND PLASTER FINISH TO DISABLED TOILET.
DISABLED TOILET ENCLOSURE FORMED WITH 215MM X 100MM BLOCKS LAID FLAT, BUILT OFF FLOOR SLAB.

DAMP PROOF COURSES TO BE HYLOAD OR SIMILAR APPROVED A MINIMUM OF 150MM ABOVE ADJOINING EXTERNAL GROUND LEVEL ACROSS BOTH LEAFS OF CAVITY WALLS WITH CAVITY TRAY OVER. TO BE LAPPED AND TAPED WITH D.P.M./RADON BARRIER, AT PERIMETER .

INSULATED VERTICAL AND HORIZONTAL D.P.C.'S TO BE INSTALLED AROUND OPENINGS IN EXTERNAL WALLS AS DESCRIBED ON PLAN AND SECTION WITH INNER LEAF AT OPENINGS RETURNED TO CLOSE CAVITY AGAINST INSULATED D.P.C. .

WALL TIES TO BE STAINLESS STEEL OR POLYPROPYLENE LOCATED AT 450MM CENTRES VERTICALLY AND 750MM CENTRES HORIZONTALLY, AND INCREASED IN NUMBER TO 225MM CENTRES VERTICALLY ADJACENT TO OPENINGS.
WALL TIES TO RETAINING WALLS TO BE ISOLA BLUEBIRD SCREW TIES INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

LINTELS TO OPENINGS IN EXTERNAL WALLS TO BE AS INDICATED ON PLAN. LINTELS TO HAVE MINIMUM END BEARING OF 150MM ON FULL MORTAR BED. TO BE INSTALLED WITH FLEXIBLE D.P.C. TRAY OVER IN ACCORDANCE WITH B.S. 5628. WITH D.P.C. EXTENDING TO EDGE OF FRONT TOE AND AT LEAST 100MM BEYOND EACH END OF LINTEL.

VERTICAL CHASES IN WALLS SHOULD NOT BE DEEPER THAN ONE THIRD THE THICKNESS OF THE WALL LEAF AND HORIZONTAL CHASES NOT DEEPER THAN ONE SIXTH THE THICKNESS OF THE WALL LEAF.

EXTERNALLY WALLS TO RECEIVE PAREX 355 AVU, OR SIMILAR, REINFORCEMENT MESH FIXED AS SPECIFIED BY MANUFACTURER TO PROVIDE BACKING FOR RENDER FINISH TO LOCAL PLANNING AUTHORITY'S APPROVAL.

BELOW GROUND DRAINAGE

TO CONFORM TO PART H OF THE BUILDING REGULATIONS.
SURVEY OF EXISTING FOUL AND SURFACE WATER DRAINAGE RUNS TO BE CARRIED OUT TO CONFIRM POSITION AND DEPTH.OF EXISTING DRAIN RUNS BEFORE FINAL DRAINAGE LAYOUT CONFIRMED.

FOUL AND SURFACE WATER DRAINS TO BE OSMA OR SIMILAR APPROVED PLASTIC DRAINS, WITH GRP INSPECTION CHAMBERS USED WHERE INVERTS DO NOT EXCEED 1000MM. CAST IRON MANHOLE COVERS AND FRAMES SET FLUSH WITH SURROUNDING PAVING/LANDSCAPING.
DRAINS TO BE 100MM DIAMETER AND LAID TO FALLS OF 1:40 UNLESS OTHERWISE STATED. DRAINS PASSING THROUGH WALLS OR FOUNDATIONS ARE TO PASS THROUGH OPENINGS GIVING AT LEAST 50MM CLEARANCE ALL ROUND PIPE AND THE OPENING IS TO BE MASKED WITH RIGID SHEET MATERIAL TO PREVENT THE INGRESS OF FILL OR VERMIN.
LINTELS OVER OPENINGS FOR DRAINS TO BE STRESSLINE PRESTRESSED CONCRETE LINTELS OR SIMILAR APPROVED.
FOUL DRAINAGE TO BE LAID TO FALLS TO CONNECT TO EXISTING SYSTEM.
SURFACE WATER DRAINS TO BE LAID TO FALL TO CONNECT TO SOAKAWAY POSITIONED 5000MM CLEAR OF ANY BUILDINGS.
MINIMUM COVER TO DRAIN RUNS TO BE 300MM IN PEDESTRIAN AREAS, 500MM IN LIGHT TRAFFIC AREAS, WHERE PIPES HAVE 100MM DEEP BED OF GRANULAR FILL.
AS SOON AS IS PRACTICABLE AFTER COMPLETION OF DRAINAGE STACK THE WORKS ARE TO BE TESTED. ALL CONCEALED WORK TO BE TESTED BEFORE BEING FINALLY ENCLOSED. ALL LEAKS AND DEFECTS LOCATED, MADE GOOD AND RETESTED TO LEAVE SYSTEM SOUND AND PERFECT.
FIX SANITARY APPLIANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. USE FASTENINGS SUPPLIED BY MANUFACTURER.

PROJECT

PROPOSED GROUNDMAN'S STORE AND DISABLED TOILET, KING GEORGE V PLAYING FIELDS, WOOD LANE, NAILSWORTH, GLOUCESTERSHIRE GL6 0HT for NAILSWORTH TOWN COUNCIL

DRAWING TITLE

PROPOSED SECTION 1 - 1

SCALE

1 : 50

DATE

DEC 2024

DRAWING NUMBER

24/560/16

REVISION

KEITH ANGUS CHARTERED ARCHITECT /

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