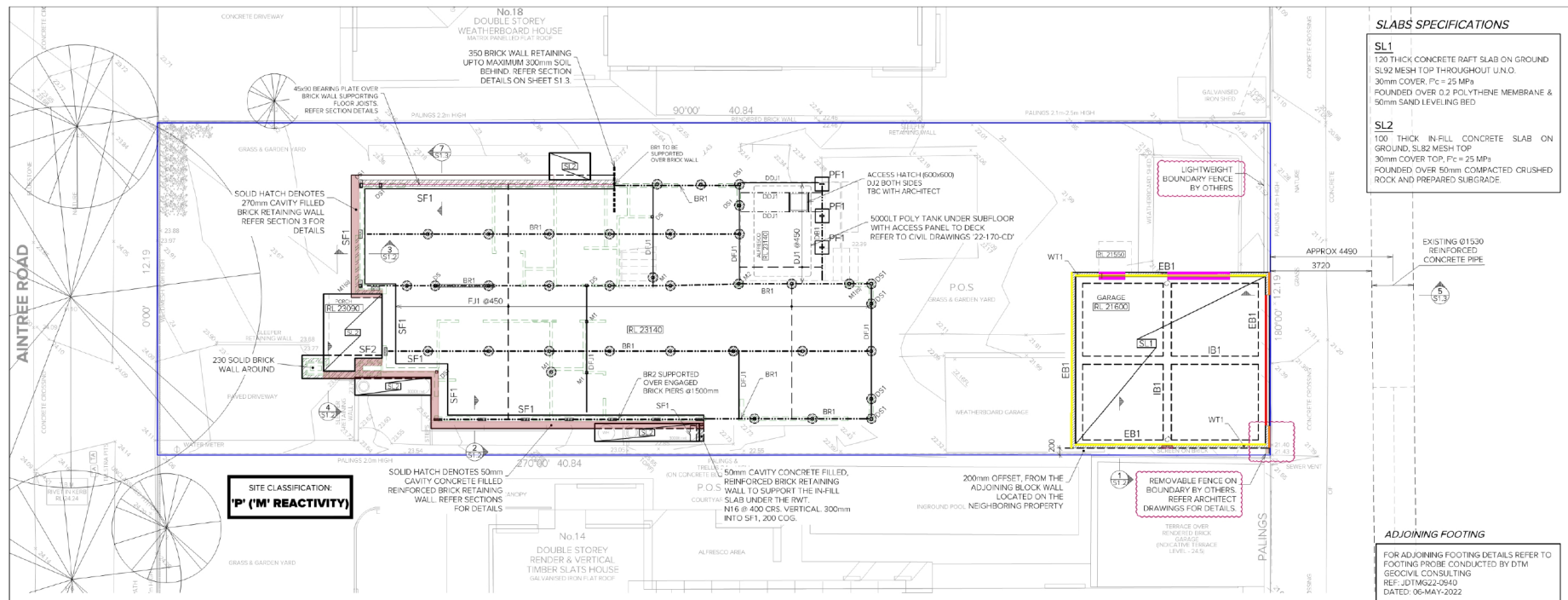




GROUND LEVEL SLAB AND FOOTING PLAN
SCALE: 1:100

LEGEND

—	BOUNDARY LINE
—	BRICK WALL
—	STUB WALL
—	WT1
—	140mm CONCRETE BLOCK WALL COREFILLED N12 @ 400 (V) & (H)
—	WT2 - 140mm CORE FILLED REINFORCED BLOCK WALL FENCE MAX HEIGHT 1800mm N12 @ 400 (V/H)
—	UPPER FLOOR HEAVY TILED WALL JOIST MANUFACTURER TO ALLOW FOR ADDITIONAL WEIGHT OF WALLS OVER
—	100SQ CONCRETE STUMP @2200 MAX. OVER 3500x2500 CONCRETE PAD FOUNDATION DEPTH: 1200mm BELOW NGL 400mm MIN INTO NATURAL STIFF SILTY CLAY. ALTERNATIVELY CONCRETE STUMPS MAY BE REPLACED WITH SUREFOOT PILES DESIGNED FOR MIN. 30KN VERTICAL LOAD CAPACITY.
—	RECESS FOR SHOWER BASE JOIST MAX. 50mm NOTCHING ALLOWED FOR FJ2
—	LOAD BEARING WALL OVER

MEMBER SCHEDULE, FOOTING

MARK	DESCRIPTION	REMARKS
EB1	500Dx400W EDGE BEAM	4.111M TOP BOTTOM, 2 N12 TOP
IB1	500Dx300W INTERNAL BEAM	3.111M TOP BOTTOM, 2 N12 TOP
SF1	500Dx450 WIDE STRIP FOOTING	5.111 M TOP AND BOTTOM
SF2	500Dx450 WIDE STRIP FOOTING	SL81 MESH TOP AND BOTTOM
SF3	500Dx450 WIDE STRIP FOOTING	SL81 MESH TOP AND BOTTOM
PF1	500SQx500D PAD FOOTING	SL82 MESH TOP & BOTTOM
BR1	2/140x45 F17 HARDWOOD OR LVL EQUIVALENT	DOUBLE SPAN FLOOR BEARERS
BR2	2/50x45 F17 PERIMETER BEARER	CONTINUOUS SPAN OVER ENGAGED BRICK PIERS PROVIDED @1500 MAX. DOUBLE SPAN FLOOR JOISTS
FJ1	140x45 MGP10	DOUBLE FLOOR JOIST (P-J1) CONTINUOUS SPAN
DFJ1	2/140x45 MGP10	DOUBLE FLOOR JOIST (P-J1) CONTINUOUS SPAN
DJ1	140x45 F17 OR EQUIVALENT LVL	SINGLE SPAN DECK JOISTS
DDJ1	2/140x45 F17 OR EQUIVALENT LVL	DOUBLE DECK JOISTS
DJ2	140x45 MGP10 H3 TREATED	SINGLE SPAN DECK JOISTS
DDJ2	2/140x45 MGP10 H3 TREATED	DOUBLE DECK JOISTS
DB1	2/140x45 MGP10 H3 TREATED	DOUBLE SPAN DECK BEARERS
DB2	2/50x45 MGP10 H3 TREATED	DOUBLE SPAN DECK BEARERS

NOTES

FOOTING NOTES

- THIS DESIGN HAS INCORPORATED CLASS 'P' (M' REACTIVITY) SITE CLASSIFICATION AND SHOULD BE READ IN CONJUNCTION WITH THE SOIL REPORT PREPARED BY DTM GEOCIVIL CONSULTING, FILE NO. JDTM223-0940, DATED NOVEMBER 02, 2023.
- ALL EDGE BEAMS AND ANY LOAD BEARING INTERNAL BEAMS MUST PENETRATE THROUGH ANY FILL AND SILTY MATERIAL AND SHALL BE FOUNDED MIN 100mm INTO THE STIFF SILTY CLAY, EXPECTED TO BE ENCOUNTERED AT 600/900mm BELOW THE NGL.
- ANY STRIP AND STUMPPAD FOOTINGS TO BE FOUNDED MIN. 600mm INTO THE NATURAL, STIFF SILTY CLAY, EXPECTED TO BE ENCOUNTERED AT 600/900mm BELOW THE NGL.
- THE ABOVE MINIMUM DEPTHS WERE BASED ON THE EXISTING GROUND SURFACE AT THE TIME OF THE FIELD INVESTIGATION. THESE DEPTHS COULD CHANGE DEPENDING ON SITE SCRAPES OR IF THE SITE IS CUT AND/OR FILLED AFTER TESTING DATE. FURTHERMORE, LOCAL DEEPENING OF TRENCHES MAY BE NECESSARY IF SOFT SPOTS ARE ENCOUNTERED.
- FOUNDATION MATERIAL TO BE VERIFIED ON SITE BY A QUALIFIED INSPECTOR AND SEEK ADVICE FROM THIS OFFICE IF ANY DIFFERENCES EXISTS TO THE ONE DOCUMENTED IN THESE DRAWINGS.
- IF MORE THAN 600 DEEP BLINDING CONCRETE REQUIRES TO REACH SAFE BEARING CAPACITY, CONTACT THIS OFFICE FOR ALTERNATIVE OPTIONS.

ARTICULATION NOTE

REFER TO ARCHITECTURAL DRAWINGS FOR FULL HEIGHT BRICK CONTROL JOINT LOCATIONS (TO BE PROVIDED WITHIN 4500mm OF CORNERS, AND A NOMINAL 5000mm THEREAFTER) REFER TO ARTICULATION JOINT DETAILS.

TREES

ANY TREES FROM WITHIN OR AROUND THE BUILDING ENVELOPE SHOULD BE REMOVED AS SOON AS POSSIBLE TO ALLOW TIME FOR THE SUB-SOILS TO REGAIN THEIR EQUILIBRIUM MOISTURE CONTENT, (IDEALLY A SUMMER/WINTER CYCLE).

ABNORMAL SOIL MOISTURE CONDITION

ABNORMAL SOIL MOISTURE CONDITIONS ARE LIKELY TO OCCUR THROUGH AREAS FROM WHICH BUILDINGS, FENCES OR TREES HAVE BEEN RECENTLY REMOVED. SUCH ABNORMAL CONDITIONS WILL DIMINISH WITH TIME, PARTICULARLY DURING WINTER MONTHS WHEN FREQUENT RAINFALL IS EXPERIENCED. ALLOW THE MAXIMUM POSSIBLE TIME TO ELAPSE BETWEEN REMOVAL OF BUILDINGS, FENCES OR TREES AND THE COMMENCEMENT OF NEW CONSTRUCTION SHOULD THIS PERIOD BE LESS THAN 3 MONTHS, THIS OFFICE SHOULD BE CONTACTED FOR SITE SPECIFIC ADVICE.

PREPARATION OF SUB-BASE FOR SLABS ON GROUND

- CLEAR AREA UNDER SLAB OF ALL TOP SOIL CONTAINING HUMUS AND VEGETABLE MATTER 100 MM AND REMOVE FROM SITE.
- CUT OR FILL UNDER SLAB TO PRODUCE REQUIRED FINISHED LEVELS AS SHOWN ON THE DRAWINGS.
- ALL FILLED MATERIAL SHALL BE IMPORTED AND CONFORM TO R.C.A. STANDARD SPECIFICATION FOR CLASS 3 CRUSHED ROCK (40mm NOMINAL SIZE).
- THE FILL MATERIAL SHALL BE PLACED IN MAXIMUM 150mm LOOSE LAYERS AND COMPACTED TO 98% OF THE MODIFIED DRY DENSITY WHEN TESTED IN ACCORDANCE WITH A.S.1281. THE SOIL CONSULTANT IS TO APPROVE THE MATERIAL USED FOR FILLING.
- A BASE COURSE OF PACKING SAND SHALL BE SPREAD OVER THE SUB-BASE TO A THICKNESS OF 50mm AND THOROUGHLY ROLLED AND COMPACTED TO A SMOOTH LEVEL SURFACE. THE LAYER SHALL BE MOISTENED PRIOR TO PLACEMENT OF THE MOISTURE BARRIER.
- A MOISTURE BARRIER OF 0.2mm ORANGE POLYTHENE MEMBRANE IN 3600 WIDE SHEETS LAPPED 150 AND JOINED WITH 75 WIDE PRESSURE SENSITIVE TAPE SHALL BE Laid UNDER ALL SLABS AND WALLS IN CONTACT WITH THE GROUND.

CONCRETE COVER TO ALL REINFORCEMENT (U.N.O.)

ELEMENT	FORMED AND SHELTERED	WITH DAMP PROOF MEMBRANE	NO MEMBRANE
SLAB	30mm	40mm	50mm
FOOTING	-	40mm	50mm

H 07-FEB-24 MINOR UPDATES - IFC
G 27-NOV-23 MINOR UPDATES - IFC
F 12-OCT-23 MINOR UPDATES - IFC
E 27-SEP-23 MINOR UPDATES TO ALFRESCO FLOOR
D 13-SEP-23 MINOR UPDATES - IFC
C 07-AUG-23 ISSUED FOR CONSTRUCTION
NO DATE REVISION
GRUNECO DESIGN
ARCHITECT
YING GUO AND MICHAEL LOW
CLIENT

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PRELIMINARY
TENDER
PERMIT
CONSTRUCTION
STATUS

DOUBLE STOREY CERTIFIED PASSIVE HOUSE
AT: 16 AINTREE RD, GLEN IRIS
PROJECT
GROUND LEVEL SLAB AND FOOTING PLAN
DRAWING TITLE
Size A2
Scale 1:100
Job No. 22-170
Revision H
Drawing No. S1.1

Legend: S1.1-GROUND LEVEL
SLAB AND FOOTING PLAN,
page 1

Description	Result	Quantity	Unit
☐ Core Fill For 140mm Concrete Blocks		3.368	m3
☐ Total Number of Blocks - 140mm x 190mm x 390mm		699.481	no.
☒ WT1 - 140mm concrete block wall core-filled - 3230mmH		20.866	m2
☒ WT1 - 140mm concrete block wall core-filled - 3270mmH		5.44	m2
☒ WT1 - 140mm concrete block wall core-filled - 870mmH		4.163	m2
☒ WT1 - 140mm concrete block wall core-filled - 3050mmH		21.393	m2
☒ Core Fill For 140mm Concrete Blocks (Walls with openings)		1.03	m3
☒ Total Number of Blocks - 140mm x 190mm x 390mm (Walls with openings)		213.986	no.
☒ WT1 - 140mm concrete block wall core-filled -3050mmH		15.851	m2