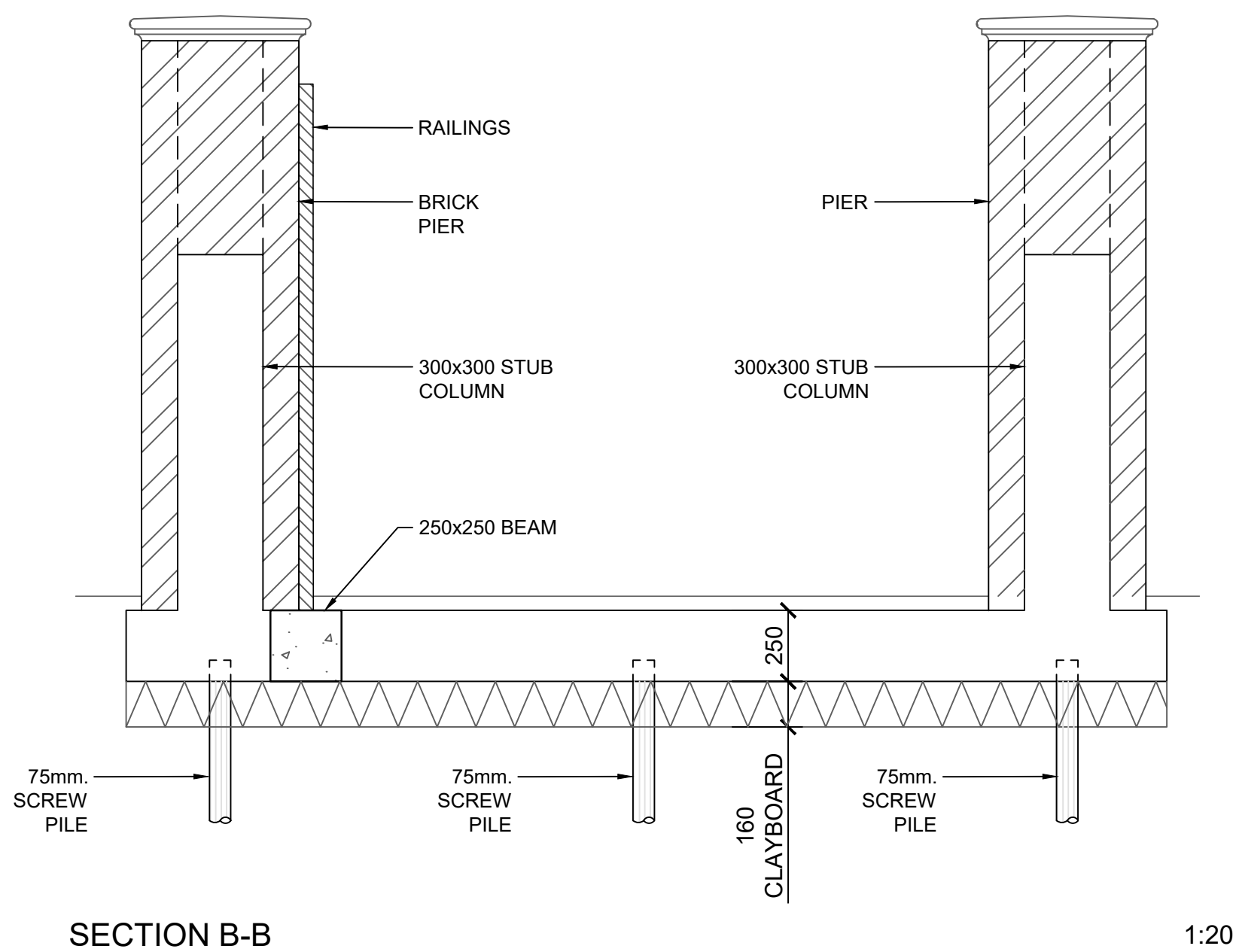
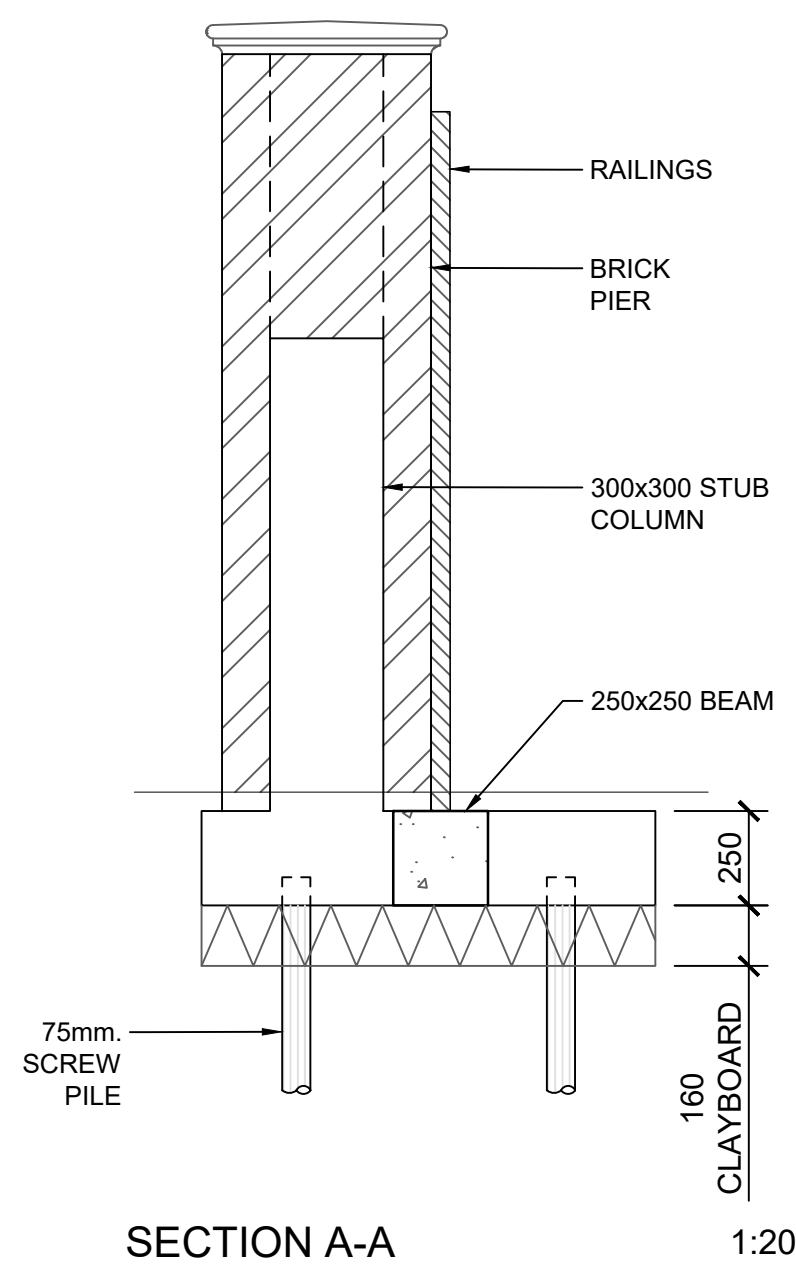


REINFORCED CONCRETE FOUNDATIONS TO FRONT GARDEN WALL 1:50



- GENERAL NOTES**
1. FOR GENERAL ARRANGEMENT PLANS, GATE AND PILLAR PLANS AND ELEVATIONS AND ROOT PROTECTION PLANS. SEE COOL GARDEN LANDSCAPING ASSOCIATE DRAWINGS, 681 PL100, 200 & 300 RESPECTIVELY.
- EXCAVATION NOTES**
1. ALL EXCAVATIONS MUST BE CARRIED OUR CAREFULLY USING HAND HELD TOOLS AND PREFERABLY BY COMPRESSED AIR SOIL DISPLACEMENT, TAKING CARE NOT TO DAMAGE THE BARK AND WOOD OF ANY ROOTS.
 2. ALL SOIL REMOVAL MUST BE DONE WITH CARE TO MINIMISE DISTURBANCE OF ROOTS BEYOND THE IMMEDIATE AREA OF EXCAVATION.
 3. IF DIGGING BY HAND A FORK SHOULD BE USED TO LOOSEN THE SOIL AND HELP LOCATE ANY SUBSTANTIAL ROOTS. ONCE ROOTS HAVE BEEN LOCATED, A TROWEL SHOULD BE USED TO CLEAR THE SOIL AWAY FROM THEM WITHOUT DAMAGING THE BARK.
 4. ANY EXPOSED ROOTS TO BE REMOVED, SHOULD BE CUT 100-200MM BEHIND THE FINAL FACE OF THE EXCAVATION. IF NECESSARY, ROOTS LESS THAN 25MM IN DIAMETER CAN BE CUT CLEANLY WITHOUT CONSULTATION WITH THE SUPERVISING ARBORICULTURIST.
 5. ROOTS GREATER THAN 25MM SHOULD BE RETAINED WHERE POSSIBLE AND ONLY CUT AFTER CONSULTATION WITH THE SUPPORTING ARBORICULTURIST.
- PROPOSED FOUNDATION STRATEGY NOTES**
1. AS CONVENTIONAL MASS CONCRETE STRIP FOOTINGS IN RPAS CAN CAUSE EXCESSIVE ROOT LOSS, BS 5837 (7.5) CONFIRMS THAT SPECIAL ENGINEERED FOUNDATIONS CAN BE USED FOR RPAS. IT IS THEREFORE PROPOSED TO SUPPORT THE NEW FRONT BOUNDARY WALL AND PIERS ON A SERIES OF PILES AND SHALLOW GROUND BEAMS. IT IS PROPOSED TO USE A SCREW PILE SYSTEM, WHICH ALLOWS THE SMALLEST PRACTICAL PILE DIAMETER TO BE USED. THIS REDUCES THE POSSIBILITY OF STRIKING MAJOR TREE ROOTS AND REDUCES THE SIZE OF THE RIG REQUIRED TO SINK THE PILES. THE SCREW PILE ALSO ELIMINATES TOXIC EFFECTS TO ADJACENT ROOTS THAT ARE NORMALLY ASSOCIATED WITH CONCRETE PILES DURING THE CURING PROCESS.
 2. THE PILE LAYOUT INDICATED ON THE DRAWING IS SUFFICIENTLY FLEXIBLE TO ALLOW FOR THE PILES TO BE RELOCATED IF SIGNIFICANT ROOTS ARE LOCATED IN THE PREFERRED LOCATIONS.
 3. THE PREFERRED PILE LOCATIONS INDICATED SHOULD BE CAREFULLY EXCAVATED TO A DEPTH OF 600MM TO ESTABLISH IF THERE ARE ANY SIGNIFICANT ROOTS OVER 25MM IN DIAMETER THAT COULD BE DAMAGED. IF SIGNIFICANT ROOTS ARE FOUND, THEN THEY SHOULD BE DEALT WITH AS SET OUT AS ABOVE, OR THE PILE LOCATION MOVED TO SUIT AND APPROVED BY THE ENGINEER.
 4. ONCE THE PILES ARE INSTALLED THE GROUND PROTECTION CAN BE REMOVED LOCALLY TO ALLOW FOR THE LOCALISED EXCAVATION OF THE GROUND BEAMS. EXCAVATION SHOULD BE CARRIED OUT AS DESCRIBED ABOVE AND ANY SIGNIFICANT ROOTS ENCOUNTERED THAT REQUIRE CUTTING SHOULD ONLY BE DONE SO AFTER CONSOLATION WITH THE SUPERVISING ARBORICULTURIST.

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REV	DATE	DESCRIPTION	BY
AMENDMENTS			

Project:

6 LINKSWAY
NORTHWOOD
HA6 2XB

Title:

FOUNDATIONS TO
FRONT GARDEN
WALL

Client:

Architect:

MICASA ARCHITECTS

PLANNING

Designed:	AH	Drawn:	DBM
Checked:	AH	Date:	11.06.21
Project No:	21057	Scale @ A1:	AS SHOWN
Drawing No:	01	Revision:	00