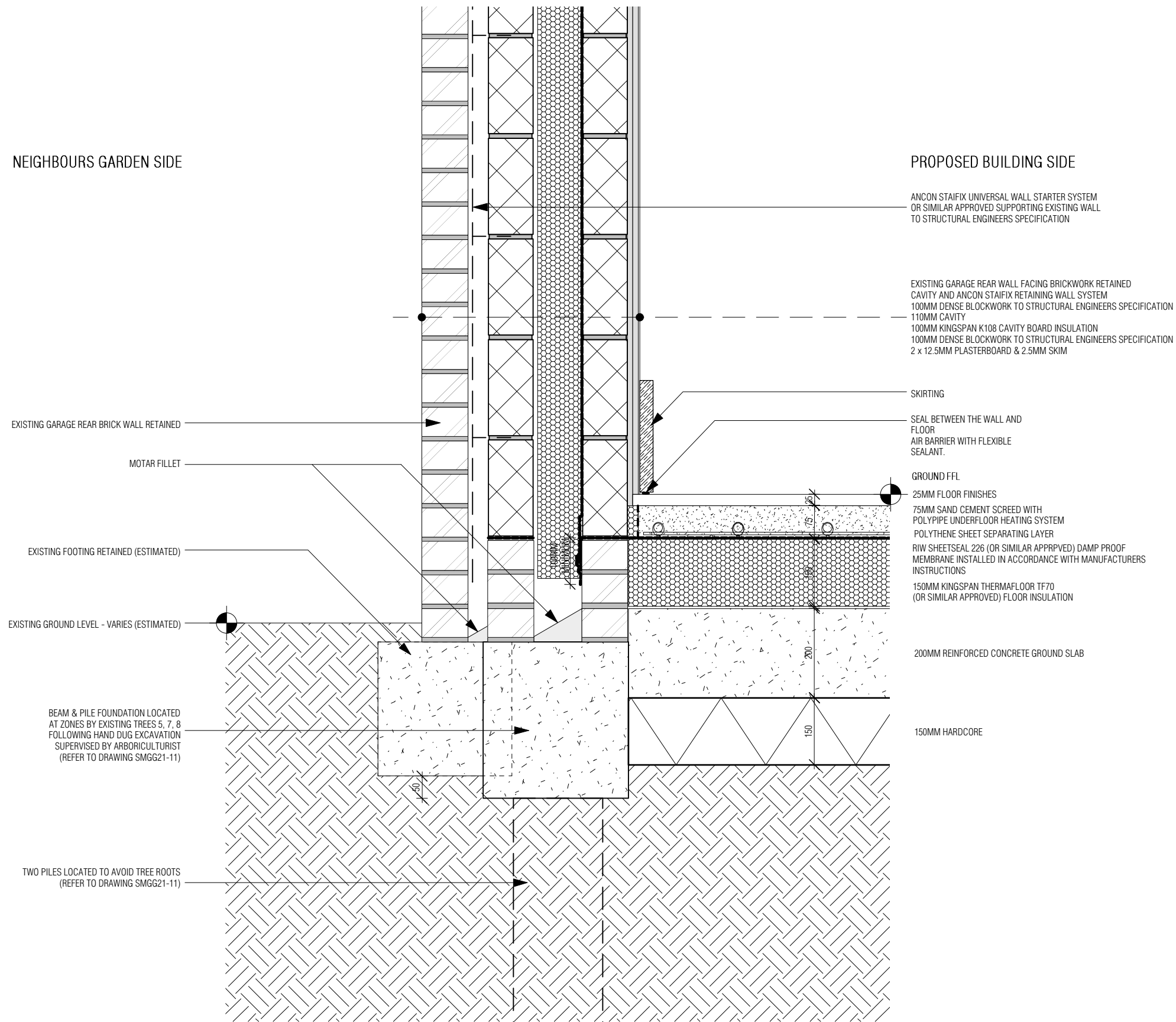


BEAM & PILE FOUNDATION DETAIL 1:10



INSTALLATION METHOD STATEMENT

ENABLING WORKS

A pre-commencement site meeting will be held to discuss phasing of works and appropriate practices where works are to be conducted within RPAs. This meeting should include the site agent and project arboriculturalist.

Tree works detailed in the Tree Protection Plan within Arboricultural Appraisal and Impact Assessment 'SMG aims1 130522' will be completed before any other activity is conducted on the site.

Fencing will be erected and ground protection installed as shown in the Tree Protection Plan, as far as existing and retained garage wall will allow. This should conform to the full Tree Protection Plan specification and include all warning notices attached to the barriers stating that no access is permitted to the fenced area. Where shown fencing should be erected in temporary locations and relocated once existing features are removed or at the end of the demolition phase, whichever opportunity presents first.

CONSTRUCTION WORKS

Protective fencing and other measures will be maintained as per the Tree Protection Plan, until construction is complete. No changes are permitted without the approval of the project arboriculturalist and consultation with the Tree Officer. An estimated total of 6 piles will be installed using the Track Mats to protect the ground during installation. No direct supervision of the holes for the pile heads is stipulated due to their relatively limited size but these will be excavated manually. Beam slots will be excavated by hand and under direct arboricultural supervision where they pass through the RPAs of retained trees.

ACCESS & USE

Where controlled access is necessary for machinery for the development works the following shall apply within the RPA:

- All excavation will be by hand and completed under direct arboricultural supervision of the project arboriculturalist, following a written method statement that has first been approved by the Local Planning Authority (LPA).
- No mechanical excavation is to take place within the RPA, unless expressly agreed by the LPA and with strict arboricultural site supervision and with a site-specific method statement.
- No lowering of levels for any purpose outside of the site and beyond the inner face of the existing garage wall and footings being retained.
- No storage of plant or materials within or close to RPA.
- No storage or handling of any chemical including cement washings within or close to RPA.
- No vehicular access to RPAs unless agreed by the LPA, and for specific construction works with only light diggers, mini dumper, mini piling machinery, and shall advance only over ground protection.
- No damaging substances to tree health shall be used, including fuels, oil, bitumen, cement (including cement washings), builders' sand, concrete mixing and other chemicals, shall be stored or used within or directly adjacent to the protection area of retained trees.
- No fire shall be lit on site.
- Whacker plates will not be used within the RPAs of retained trees. Non vibrating rollers will be used to compact materials if required.

MACHINERY FOOTPRINT

It is important to protect the ground within the RPA from damage and compaction as a result of vehicular and pedestrian movements during development and this will involve the installation of temporary ground protection. Track Mats will be used when moving the piling rig during excavation of the two piles per beam location and their installation. A mini-piling rig with a total weight of 1.6 tonnes will be used and the mats will provide sufficient protection during installation. During construction ground protection should be used for all areas subject to works access. This is expected to be pedestrian in nature as operatives construct the building. No plant is expected to enter the RPA once piling is complete. Protection should be tailored to the proposed loads and proprietary ground boarding can be used.

ARBORICULTURAL STATEMENT

Refer to section 4.3 with the Arboricultural Appraisal and Impact Assessment 'SMG aims1 130522' for excavation methodology.

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ALL DIMENSIONS TO BE CHECKED ON SITE. BRACKETED DIMENSIONS ARE FOR CHECKING AND NOT FOR SETTING OUT PURPOSES. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT BEFORE COMMENCEMENT.

Notes	Revisions
Foundation design subject to approval of Structural Engineers & condition / construction of existing garages.	

Project	ST MARY'S GROVE GARAGES, RICHMOND, TW9		
Drawing	BEAM & PILE FOUNDATION DETAIL TO ROOT PROTECTION AREAS		
Drawing No.	Scale	Date	
SMGG21-12	1:10 @ A3	30.08.2022	

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