

The diagram illustrates a square pile cap cross-section. It is divided into three horizontal layers: a top layer labeled 'Formation Level' with a downward arrow, a middle layer labeled 'Type 1 Sub-base' with diagonal hatching, and a bottom layer labeled 'ST4 Concrete surround' containing a circular pile and aggregate. Vertical dimensions on the left indicate a 150mm thickness for the concrete surround and another 150mm for the sub-base. Horizontal dimensions at the bottom show 150mm from the pile center to the cap edge on both sides. The total width is labeled 'B'. To the right, the text specifies: 'B = Ext. Dia + 600mm Maximum' and 'Ext. Dia + 300mm Minimum'.

$B = \text{Ext. Dia} + 600\text{mm Maximum}$
 $\text{Ext. Dia} + 300\text{mm Minimum}$

max size 14mm
 max size 20mm
 max size 40mm

Formation Level

Type 1 Sub-base (under Carriageway Elsewhere Use Suitable Fill Material)

Limit Of Machine Compaction

Granular Type B Bedding Material D.o.t. Specification Clause 503

Thickness

Type B granular bedding to be min size 5mm to
max size 10mm for 100mm pipes
max size 14mm for upto 150mm pipes
max size 20mm for upto 600mm pipes
max size 40mm for over 600mm pipes

The diagram illustrates a cross-section of a basement wall and floor slab. The wall is shown on the left, with its 'Outline of building' and 'Underside of foundation' indicated. The floor slab is shown on the right, with its 'Ground level' and 'Where "A" concrete level' indicated. A horizontal dimension line labeled 'A' spans the distance between the wall and the concrete level 'A'.

Diagram illustrating the components and dimensions of a concrete pile foundation:

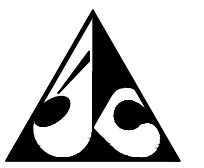
- Outline of building**: Indicated by a hatched area on the left.
- Ground level**: Indicated by a horizontal line with a downward-pointing triangle.
- Underside of foundation**: Indicated by a horizontal line with a downward-pointing triangle.
- Concrete pile**: A vertical cylindrical structure shown in cross-section, filled with concrete (stippled pattern).
- Dimension 'A'**: The horizontal distance from the center of the pile to the edge of the foundation.
- Dimension 'A' less 150mm**: The horizontal distance from the center of the pile to the edge of the foundation, excluding the 150mm concrete fill.
- Where 'A' is concrete fill level**: Indicated by a horizontal line with a downward-pointing triangle, showing the level of the concrete fill.



All kerbs to be installed with 125mm face to roads and 20mm at vehicular crossings.

Preliminary

P1	Updated in line with current FFL's	04/07/25
P	Preliminary issue for discussion and budget pricing. <u>NOT FOR CONSTRUCTION.</u>	23/06/24



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Client:
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Project:
Residential development at
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Standard Details

drawn by	date	scale	drawing no.	rev.
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