

STEPHEN MOFFAT ASSOCIATES

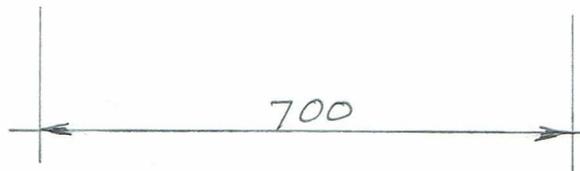
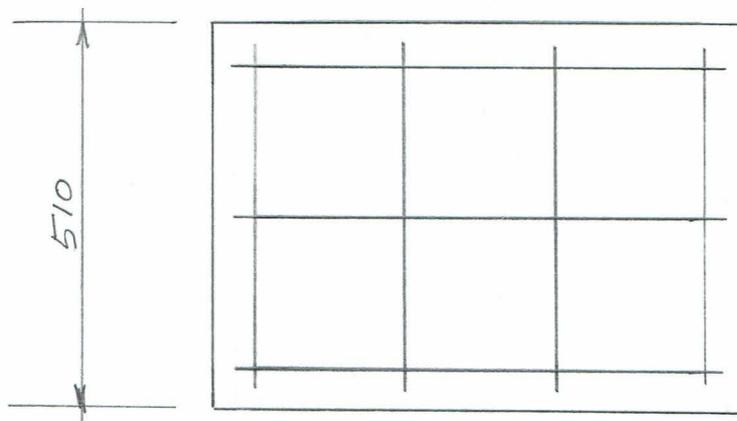
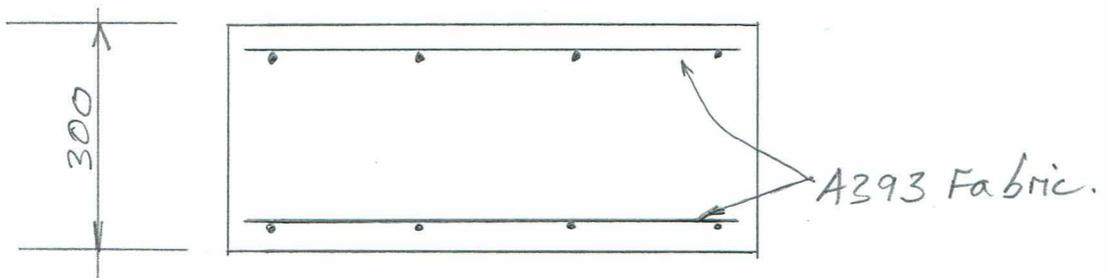
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Job No. 15/4265
Job Title Sanctum 2000 Single Vault
Foundation Details

Client The Columbaria Company

Sheet No. 11

Jan 2016



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Job No. 15/4265
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Foundation Base Specification
Client The Columbaria Company

Sheet No. 12

Rev.

January 2016

Concrete Specification

Compressive Strength	35.0N/mm ² at 28 days
Min. Cement Content	300kg/m ³ OPC
Max. Aggregate size	20mm
Max. Free Water/Cement Ratio	0.55
Min. Cover to Reinforcement	50mm

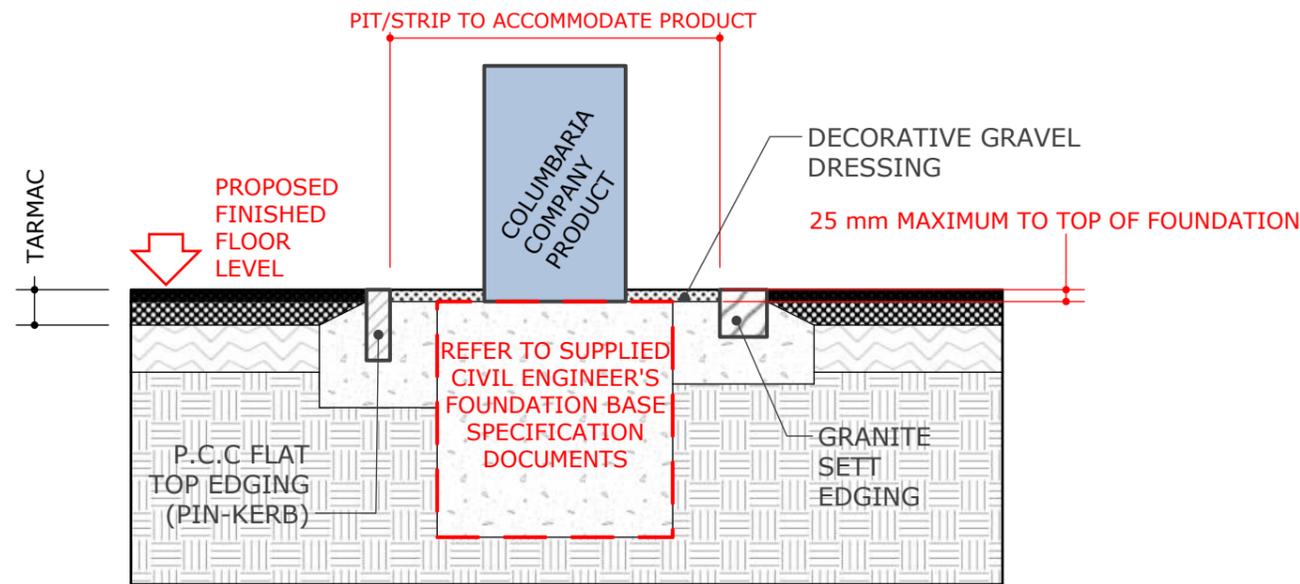
Site Preparation

Remove all top soil to firm sub-base. Determine type of sub-base, i.e. CLAY, SAND or GRAVEL and use appropriate foundation type. Any soft spots are to be removed and filled with compacted Type 1 stone or foundation concrete. Contaminated ground is to be avoided if possible or removed and the trench lined with Visqueen to isolate the concrete. Sulphate Resisting Cement should be used in these conditions. Excavations in sands and gravels are to be lined with Visqueen.

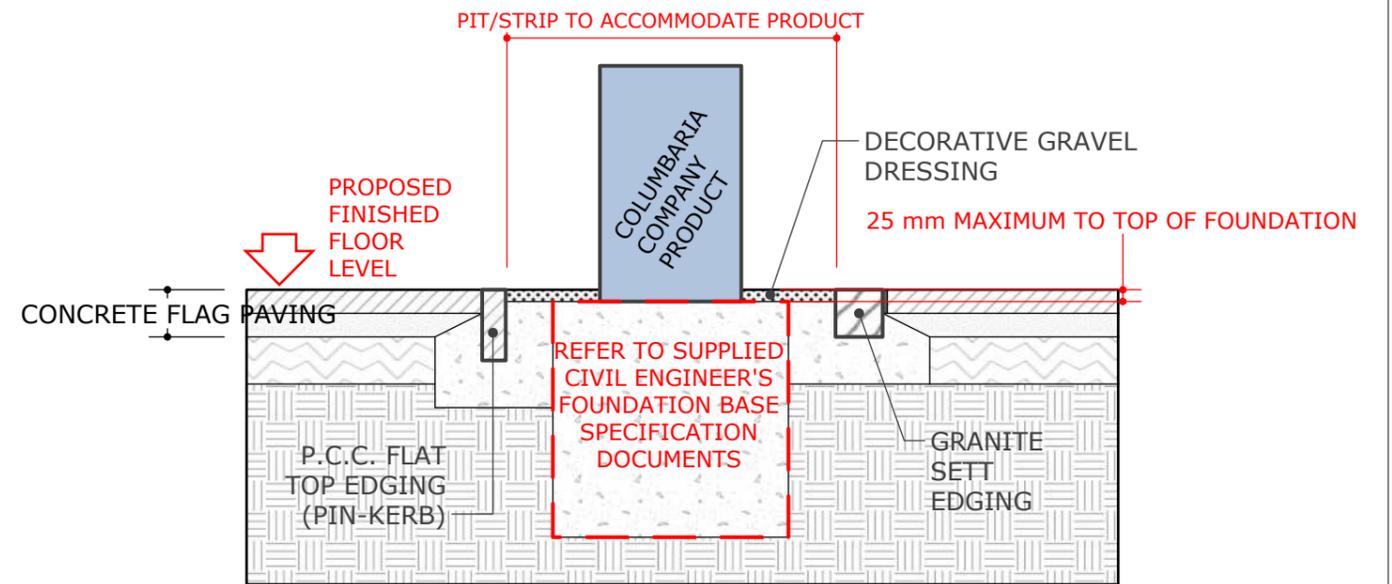
Reinforcement is to be fixed in position before concrete is poured ensuring that concrete cover to steel is maintained. Use a poker vibrator to compact concrete.

Trees

If there are large trees in close proximity, Columbaria's Engineer must be consulted. An appropriate engineered foundation must be designed to protect the tree roots and foundation from possible subsidence/heave damage. Tree roots must not be severed.

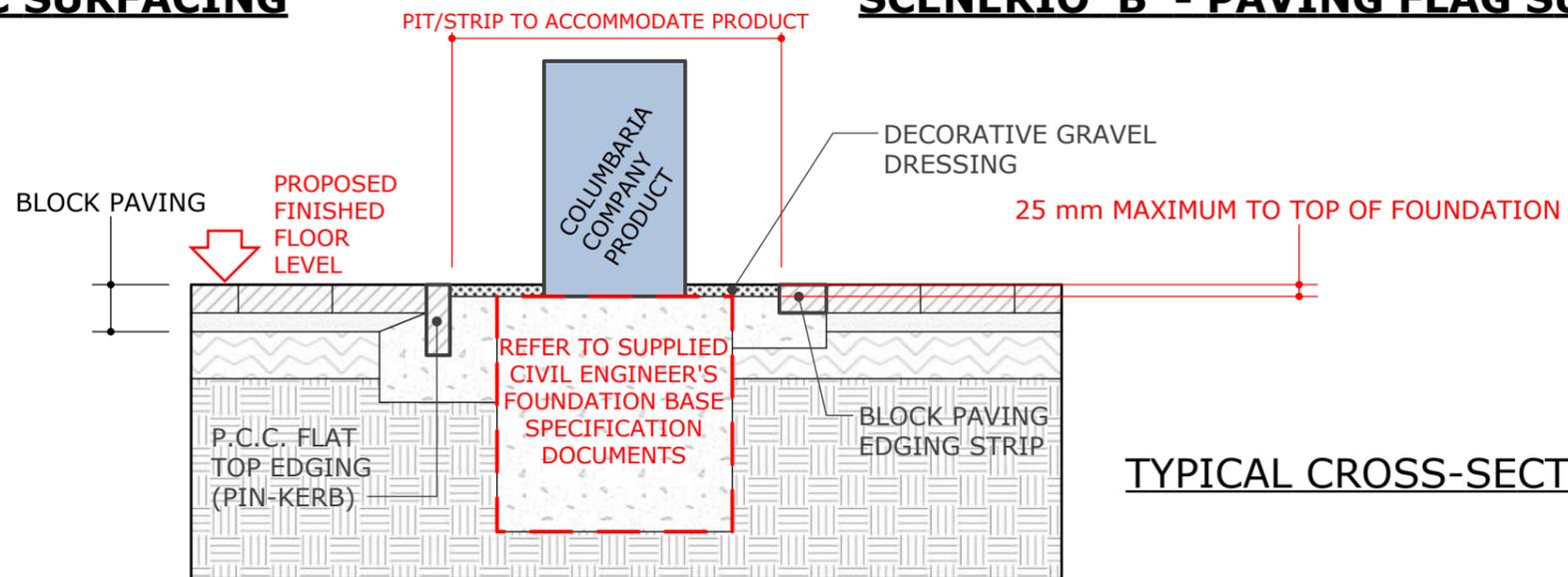


SCENERIO 'A' - TARMAC SURFACING



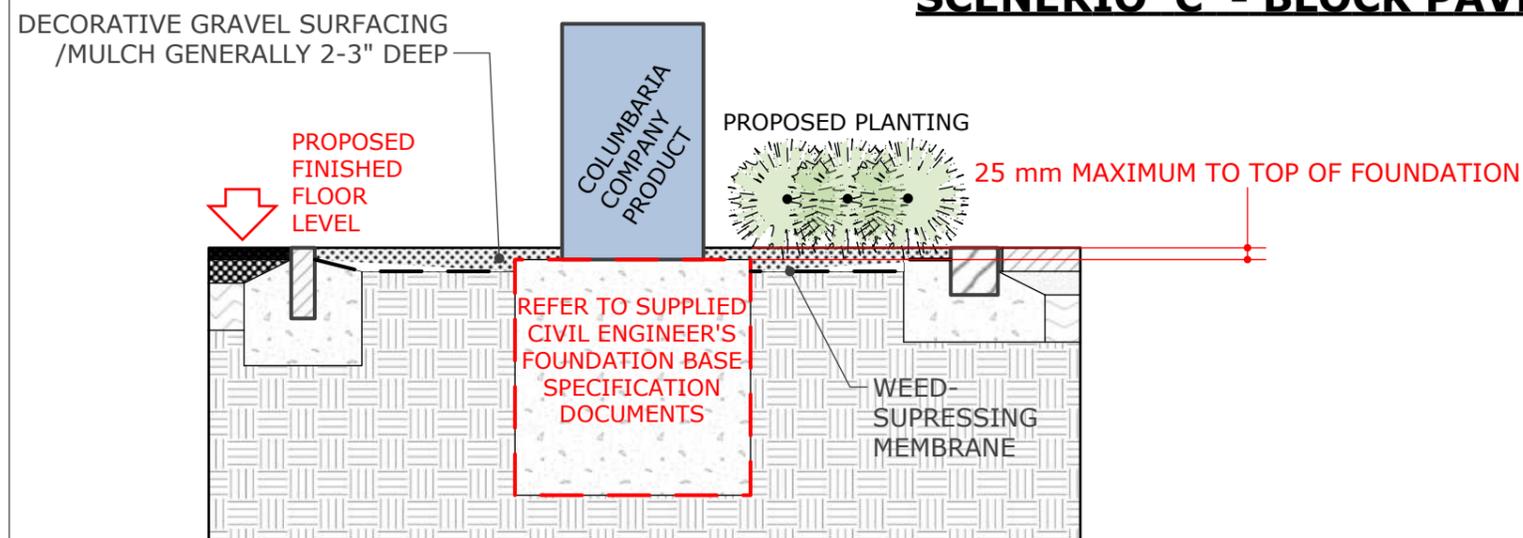
SCENERIO 'B' - PAVING FLAG SURFACING

- LANDSCAPE/GROUNDWORK CONTRACTORS TO INSTALL CONCRETE FOUNDATIONS SO THAT THE FINISHED CONCRETE LEVEL IS SUITABLE FOR THE PROPOSED PAVEMENT SURFACE FINISH DETAIL.
- FOUNDATION CONCRETE IS TO BE SET LEVEL (USING A SPIRIT LEVEL) AND FINISHED WITH A STEEL FLOAT TO LEAVE A SMOOTH EVEN SURFACE FOR COLUMBARIA PRODUCT INSTALLATION BY THE COLUMBARIA COMPANY.
- THE CONTRACTOR IS TO REFER TO THE CIVIL ENGINEERS SPECIFACATION DOCUMENTS FOR ALL TECHNICAL MATTERS PERTAINING TO THE PRODUCT FOUNDATION.

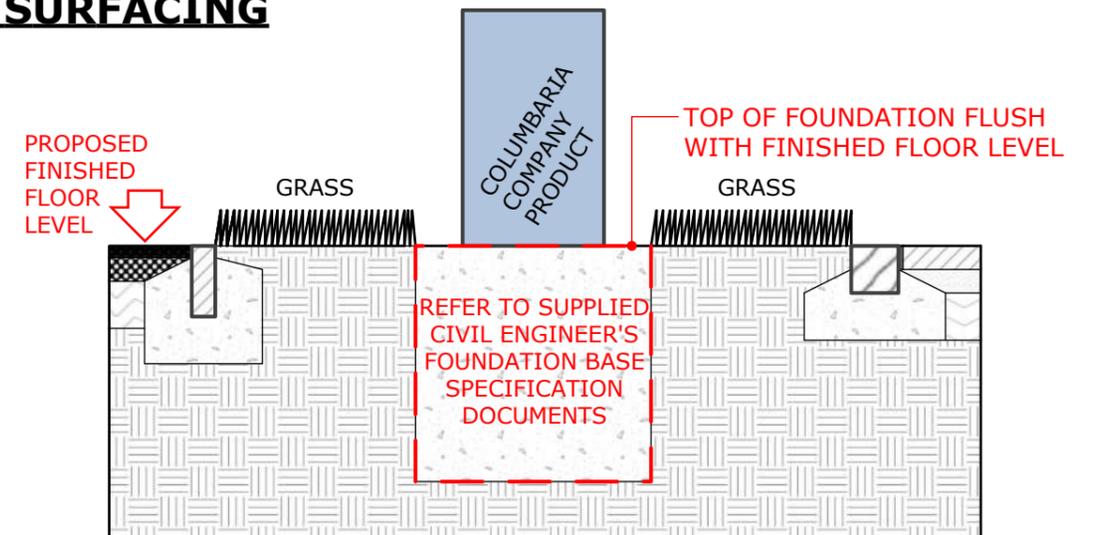


SCENERIO 'C' - BLOCK PAVED SURFACING

TYPICAL CROSS-SECTIONS - SCALE 1:15



SCENERIO 'D' - GRAVEL SURFACING



SCENERIO 'E' - GRASS SURFACING