



STRUCTURAL ENGINEERING CONSULTANTS

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Client: ELITE CONCRETE	Original Scale 1:50	Drawn CEL	Checked	Rev	Description	By	Date	Chk'd
	Date February 2016							
Project: Compost Maturation	Drawing No. 440-CLP101		Rev.					
	Title: CALCULATION SUMMARY		A4		Purpose of Issue	Rev	Date	Auth

Allowable impact load speed based on:-

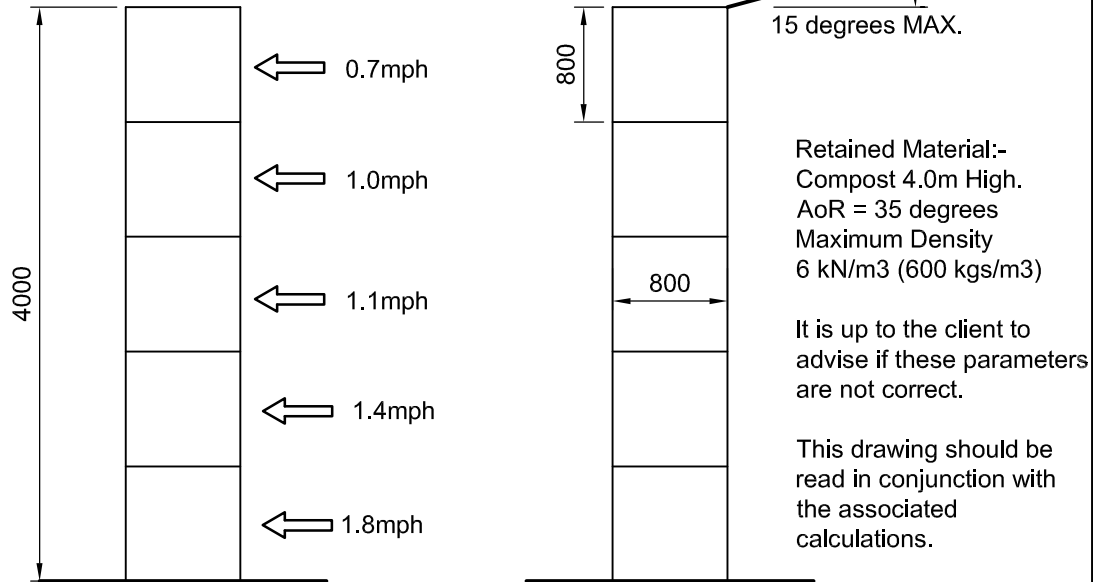
Vehicle (Maximum operating weight 20t)

Total allowable deflection - 100mm.

NOTE:-
Impact loads are the expected loads imposed on the wall by loading shovels, backhoes, buckets etc. carrying out NORMAL procedures of loading and unloading bays.

NOTE:-
Wall has **not** been designed for retained material to be compacted by vehicle driving over or on top of the retained material.

NOTE:- A 20t loading shovel will have the ability to slide or overturn this wall if used inappropriately.

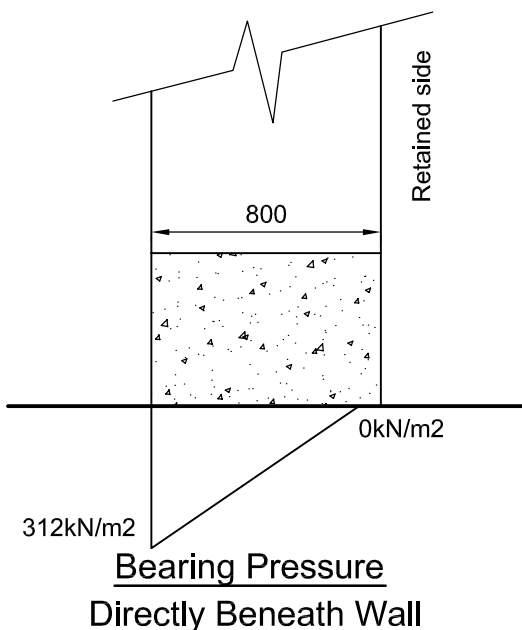


Design Parameters

(1:50)

NOTE:-

The bearing pressure beneath the wall is shown below. It is up to the client to ensure the ground is adequate, alternatively a foundation or slab may be designed to suit allowable ground bearing pressures if required.



NOTE:-
A minimum RC35 concrete slab with 2 layers of A393 mesh on 300mm of Type 1 (thoroughly compacted in 150mm layers) is assumed.

