Max. Permissible Allowable impact load speed Impact Loads based on:-Slope - 15 degrees MAX. 800 Vehicle (Maximum operating weight 20t) <--- 0.6mph Total allowable deflection -100mm. NOTE:-Max Scrap Metal Ht = 2500 <--- 0.9mph Impact loads are the expected loads 芏 imposed on the wall by loading General Waste 3200 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 800 vehicle driving over or on top of the retained material.

Important Note - The retained material should be allowed to naturally fall against the wall as it is stacked. Do not allow the retained material to stand up on its own as this could lead to a catastrophic failure of the material and the wall.

The wall has not been designed to withstand the impact of the retained material suddenly falling against the wall due to incorrect loading.

Retained Material 1:-General Waste & Wood AoR = 30 degrees Maximum Density 6 kN/m3 (600 kgs/m3)

Retained Material 2:-Scrap Metal AoR = 30 degrees Maximum Density 11 kN/m3 (1100 kgs/m3)

It is up to the client to parameters are not correct.

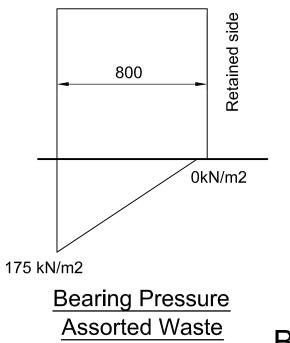
It is up to the client to advise if these parameters are not correct.

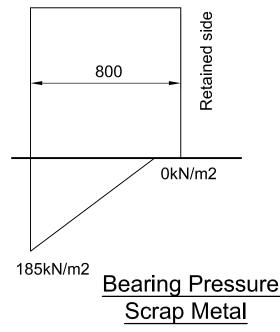
advise if these

Design Parameters (1:50)

NOTE:-

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





Bearing Pressures

NOTES:-

- 1. The contractor should take all necessary measurements on site.
- 2. All dimensions shown on this drawing are approximate and for structural calculation purposes only.
- 3. Dimensions on this drawing should not be used for fabrication purposes.
- 4. Do not scale this drawing.
- 5. This drawing should be read in conjunction with the calculations.

IMPORTANT NOTE

The existing slab and ground have not been investigated by CLP structures, the pressures exerted on the ground and slab are shown on this drawing, however it is up to the client to satisfy himself that the existing ground and slab are adequate to support these loads.

IMPORTANT NOTE

The wall has been designed to retain a specific material with a specific density and angle of repose. It is up to the client to ensure that the material retained on site does not exceed these designed parameters, failure to do so may result in he collapse of the wall.

