



#### FOUNDATION RATIONALE

From investigation of the trial holes, it appears that the site is underlain by a uniform layer alluvial sand and gravel to a depth below 1200mm. As such the engineer believes this soil has sufficient bearing capacity to sustain the domestic loading from the walls above.

For the foundations, the engineer recommends 450mm wide trench fill in Grade 15 concrete with maximum cement replacement to a depth of at least 1200mm. The top of the trench fill to be approximately 350mm below T.O.S. If necessary the foundation should be 600mm wide to suit the wall above.

Above the trench fill, the engineer suggests using 150 dense concrete block inner skin, 100 concrete block outer skin with 100mm infill with lean mix concrete as indicated on the attached details. If appropriate the outer skin above ground can be in facing brick with a chamfered header course.