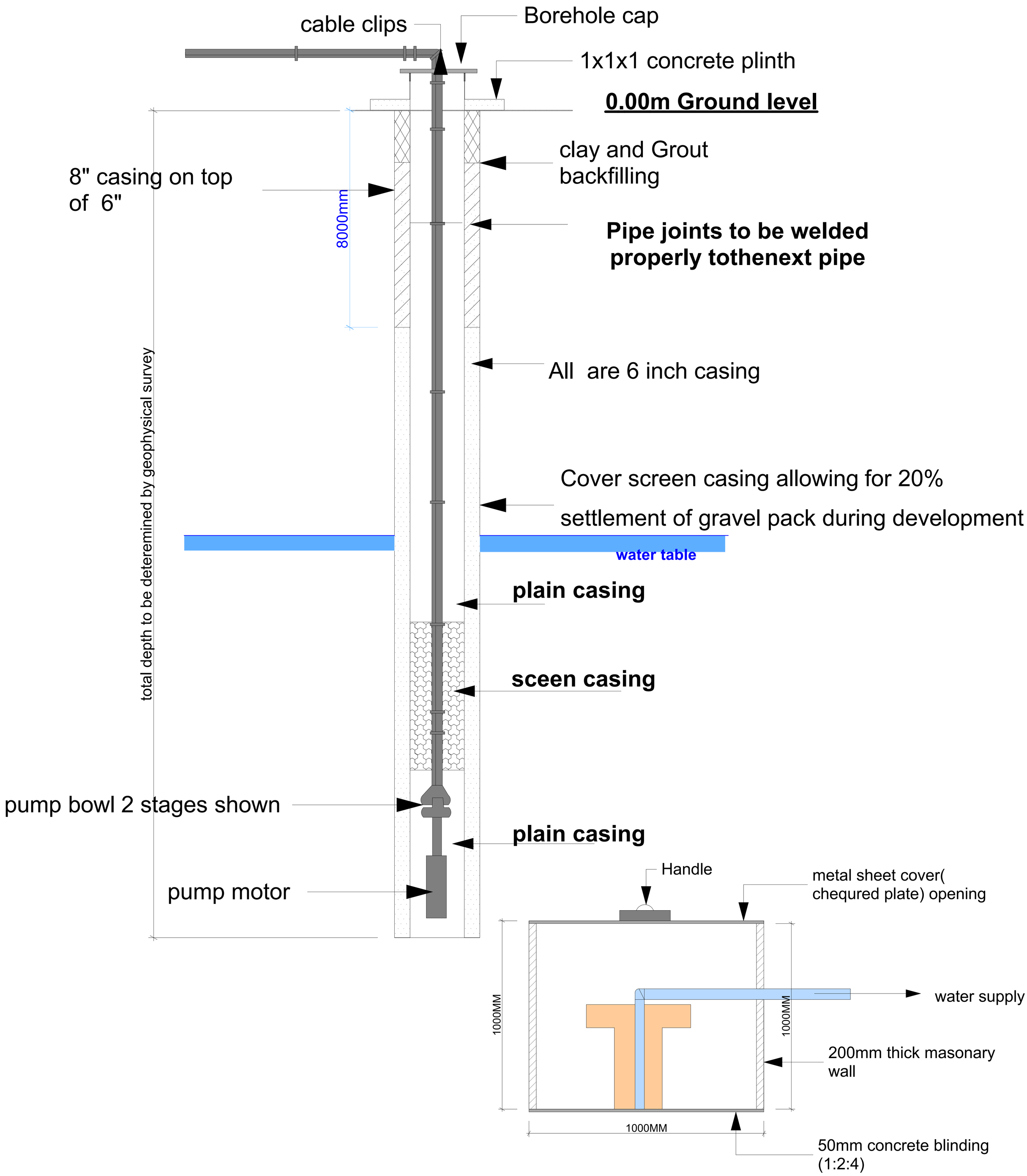DEEP BOREHOLE DESIGN SPECIFICATION