Shaft 2 early-works construction

Shaft 2 will be located approximately 100 metres northeast of Shaft 1. Shaft 2, with an internal diameter of 10 metres, will be lined with concrete and sunk to a planned, final depth of more than 1,100 metres below surface. It will be equipped with two 40-tonne rock-hoisting skips with a capacity to hoist a total of six million tonnes of ore a year – which will be the single largest hoisting capacity at any mine in Africa. The headgear for the permanent hoisting facility was designed by South Africa-based Murray & Roberts Cementation.

The early works for Shaft 2 will include the excavation of a surface box cut to a depth of approximately 29 metres below surface and the construction of the concrete hitch (foundation) for the 103-metre-tall concrete headgear (headframe) that will house the shaft’s permanent hoisting facilities and support the shaft collar. The early works are planned to commence in Q2 2017 and will take approximately 12 months to complete.

Figure 3: Illustration shows two perspectives of Shaft 2’s 103-metre-tall concrete headgear, the hitch (foundation) and internal permanent hoisting facilities.