

Download Guide To In Situ Manhole Base Construction

The Engineer to set out the manhole position and carry out a CAT scan of area and dig trial holes in areas of any known services and location pegs installed with warning tape. Excavate the area to the required depth for the chamber in accordance with the issued construction drawings. A manhole box to be used for shoring the excavation.

Manhole Types. General – Manhole Types A manhole is the name given to the construction of an access point to pipes in both sewage drains (foul) and surface water drains (storm). These access points are usually situated at the beginning, end, or change of direction, diameter, level or at intermediate points in a long straight line of pipe.

Concrete Manhole Construction. Traditionally, manhole construction has required the base to be formed in-situ where building of the channel, connections and benching occurs in the trench, often in wet and unpleasant conditions. The process can take around 40 hours per manhole and is not always successful, particularly in terms...Reinstatement. However, under some specifications, a concrete surround is required where the depth from ground level to the base of the concrete chamber ring exceeds 4.5m. In this case, the surround should be of 150mm thickness. Backfilling should take place as each precast manhole section is placed.