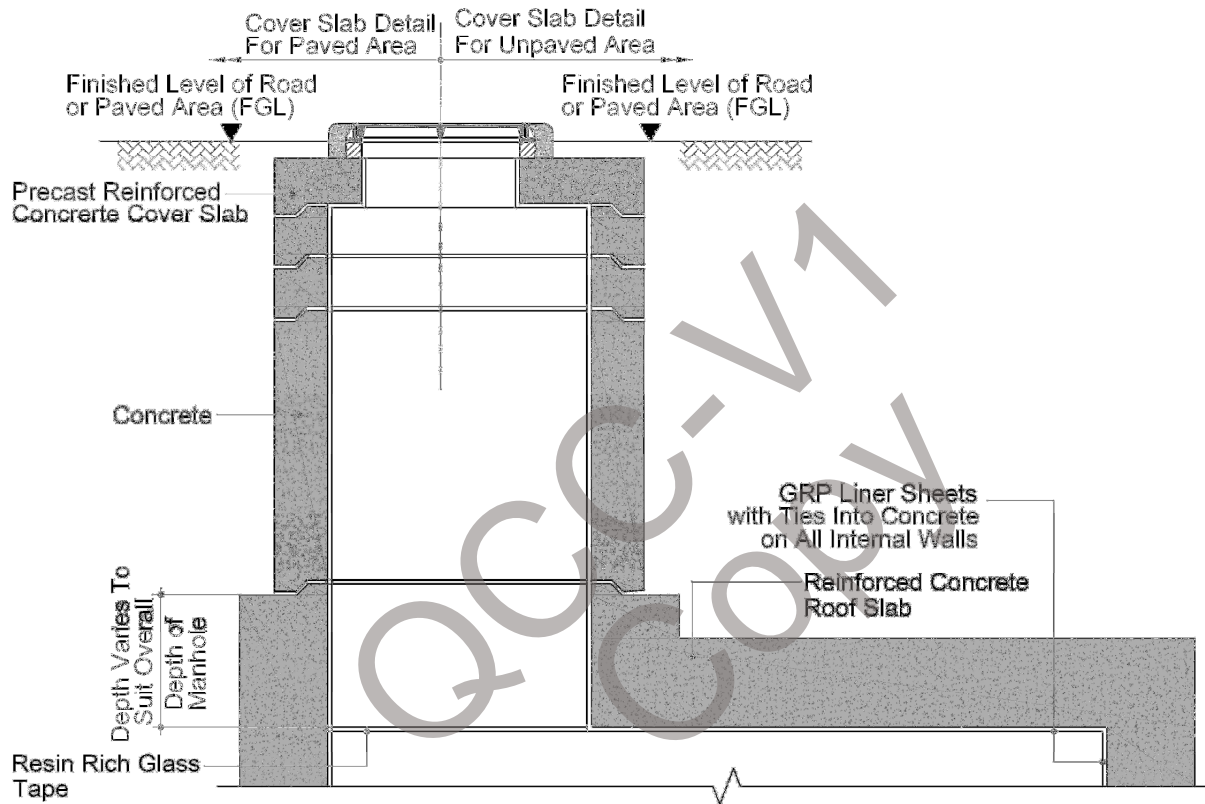


Figure 19: Typical Details of a Manhole



4.4.8 Telecommunication System

The design details of the telecommunication service corridors shall be based on the design standards provided by ETISALAT and/or du. One of the main component of the design is corridor width, which depends on the cable duct and its associated appurtenances requirements.

The design of the duct corridor is determined by the number of telecom ducts to be accommodated; and the outer dimensions of telecom manholes determine the manhole corridor width.

The telecommunication corridor width for Main roads is 2.0m each for ETISALAT and du. The cables for any of these service providers can be laid at a depth of 0.6m to 1.2m.

The minimum clearance required from other service is 0.3m all around and the duct protection under the carriageway should be a 0.1m concrete protection slab (1.2m wide) with requisite warning tapes.

The horizontal and vertical distance between consecutive ducts installed within the same trench shall be 0.12m centre to centre leaving 0.02m of free space between ducts to allow for filling.