TYPICAL CROSS SECTION THROUGH JUNCTION BOX AND MANHOLE

1. MANHOLE
   1.1 All precast sections shall comply with the relevant requirements of SANS 1294.
   1.2 No step downs shall be required unless otherwise specified.
   1.3 Dimensions of precast manhole sections are approximate and may vary slightly according to different manufacturer's specifications.
   1.4 Positions of manholes should be directly above the PI of adjoining deterministic pipes.
   1.5 The function of the combination precast concrete and cast iron covers, unless otherwise specified.
   1.6 All concrete cover slabs shall have the letters "SW" formed or engraved on top. Each letter shall be letter waxed, where high and low flow lines.
   1.7 Where the total depth of the junction box/manhole combination exceeds production levels of precast concrete in accordance with SANS 1294, a structural design must be submitted for professional engineers.
   1.8 The combination precast concrete section as specified in Table D and shall be used.
   2. CAST IN-SITU COVER SLABS
      2.1 Measurement shall always be taken on the face of the precast element.
      2.2 Concrete to be class 25/19.
      2.3 Concrete to be cured for a minimum period of 7 days.
      2.4 Minimum cover to reinforcement is 20mm.
      2.5 Type, bar and spacing of reinforcement as specified in Table D.
      2.6 Main reinforcement to be shape code 38, with hook in Table D when no hooks are required.
      2.7 Position of manholes shall be directly above the PI of adjoining deterministic pipes.
      2.8 All precast manhole sections shall comply with the relevant requirements of SANS 1294.
      3. MANHOLE
         3.1 The function of the combination precast concrete and cast iron covers, unless otherwise specified.
         3.2 Main reinforcement to be shape code 38, with hook in Table D when no hooks are required.
         3.3 Minimum cover to reinforcement is 20mm.
         3.4 Type, bar and spacing of reinforcement as specified in Table D.
         3.5 All concrete cover slabs shall have the letters "SW" formed or engraved on top. Each letter shall be letter waxed.