d. Lining shall have bonding lugs consisting of 100mm long GRP strips or GRP round studs bonded to the concrete, adjacent to the face of each GRP panel. Lugs shall be spaced in a grid pattern not exceeding 500 mm x 500 mm approximately.

e. The shape of each bonding lug shall be such that it produces a secure bond in the cast-in-situ concrete such that the lining is held firmly in place and in contact with the concrete surface, alleviating any tendency of the lining to become debonded from the concrete.

f. All bonding lugs shall be orientated in the vertical direction to allow the concrete to easily flow around or through the anchors.

10.2.5.3 In-situ GRP lamination.

1. Field joints shall be at least 150 mm wide by 7 mm thick and shall be constructed with similar materials and in a similar fashion to the preformed GRP lining, except that all resin used at site shall be vinylester.
2. In-situ GRP lamination shall be constructed with similar materials and in a similar fashion to the preformed GRP lining, except that all resin used at site shall be vinylester.

10.2.5.4 Pipe connections.

1. GRP benching shall be fitted with pipe sockets or spigots suitable for connection to the designated pipes.
2. GRP benching for connection to PVC-u pipes shall utilize PVC-u sockets, couplers or spigots manufactured by the same PVC-u manufacturer as the pipes to which they will connect.
3. GRP benching for connection to GRP pipes shall utilize GRP sockets, couplers or spigots manufactured by the same GRP manufacturer as the pipes to which they will connect.
4. Backdrops for connection to PVC-u pipes shall be made with long radius non-pressure PVC-u fittings manufactured by the same PVC-u manufacturer as the pipes to which they will connect.
5. Backdrops for connection to GRP pipes shall be made with long radius non pressure GRP fittings manufactured by the same GRP manufacturer as the pipes to which they will connect.
6. Any GRP lamination to PVC-u sockets, couplers or spigots shall comply with the following: