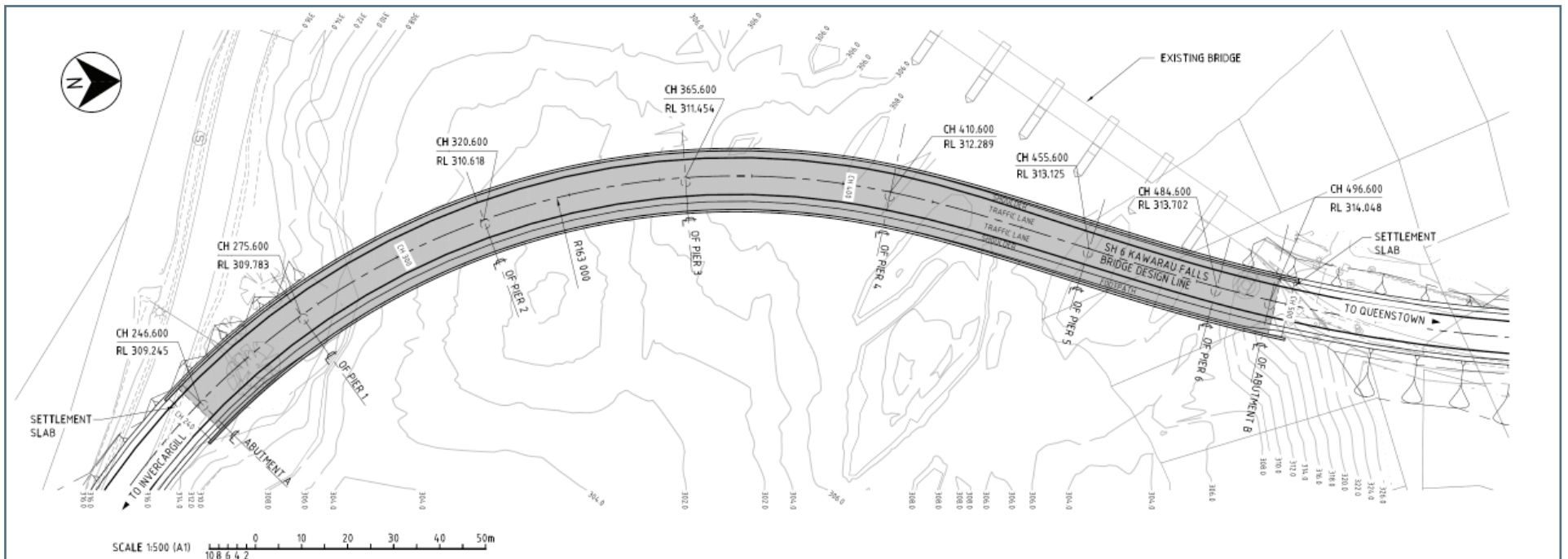


# 6

## 8. Engineering considerations



- Geotechnical investigations were carried out in March 2007. These showed that there is bedrock available for the bridge piers and abutments to be built on. The bridge will, however, need to be designed to avoid weak areas of land along the river banks.
- **Construction method:** Temporary staging will be established off the existing SH6 road at both sides of the river to allow access to pile and crane lifting locations. The bridge then will be constructed in the following stages;
  - Foundation works established for the first piers
  - The Steel beam will be slid into place along the length of the new bridge on top of the piers
  - bridge details, including abutments, furniture, and finishes will then be completed
  - temporary staging access will be removed after completing these works
- The bridge will be built to the latest earthquake standards
- The bridge will be built to the latest safety standards for cyclists, pedestrians, and vehicles that comply with Australasian Roads Standards.

