5 PROJECT CONSTRUCTION

5.1 INTRODUCTION

The information presented in this Supplementary EIS chapter discusses refinements/modifications to the Project, and responds to submissions made on the EIS. This chapter builds on the EIS, Volume 2, Chapter 5 Project Construction and should be read in conjunction with the EIS chapter.

5.2 CONSTRUCTION PROGRAM

As previously stated in the EIS Volume 2, Chapter 5 Project Construction, section 5.2, the commencement date for construction is dependent upon the timing of the Project approvals process, and the EIS and Supplementary EIS will not quote specific years for early works, construction and operation. Ultimately, the feasibility and progression of pre-construction and construction activities of the Project will be determined by a number of factors including the economic climate, thermal coal market outlook and resolution of infrastructure plans and costs, particularly the Surat Basin Rail, QR Network upgrades to Gladstone and export coal terminals. Taking these factors into consideration the indicative Project timing is now as provided in Table 5-1.

Table 5-1: Indicative Project timing

Year	Explanation	Indicative dates
Year -3	Early works	2010
Year -2	1st Year of construction	2011
Year -1	2nd Year of construction	2012
Year 1	Commencement of operations	2013

The schedule of activities for pipeline construction is as described in the EIS Volume 2, Chapter 5 Project Construction, section 5.2. Notwithstanding the revised northern portion of the proposed pipeline as described in Chapter 2 Project Need and Alternatives and Chapter 6 Project Operations, the schedule of construction activities for the pipeline is generally the same as described in the EIS.

5.3 SITE PREPARATION AND PRELIMINARY WORKS

5.3.5 ACCOMMODATION

Workforce accommodation for the construction of the proposed pipeline was covered in the EIS Volume 2, Chapter 5 Project Construction, section 5.3.5. Any temporary facilities to accommodate the workforce during pipeline construction will be located to ensure an appropriate separation distance from any existing feedlots or other intensive agricultural industries in accordance with the '*Reference manual for the establishment and operation of beef cattle feedlots in Queensland*' (Department of Primary Industries and Fisheries 2005) and '*Separation guidelines for Queensland piggeries*' (Department of Primary Industries and Fisheries 2001).

5.3.6 CONSTRUCTION SERVICES REQUIREMENTS AND INSTALLATION

5.4 CONSTRUCTION ACTIVITIES

5.4.1 SITE CLEARANCE

Progressive clearing and grading of the construction corridor

The WJV has committed to undertaking trenchless construction of permanent creek crossings when water is present, such as by horizontal directional drilling, thereby minimising the amount of disturbance and clearing adjacent to and through a permanent water course.

5.4.4 SITE DEMOBILISATION

Based on a 20 m clearing width, following construction, commissioning and testing of the proposed pipeline, a proposed easement approximately 20 m wide (10m wide access track, will remain adjacent to the pipeline included). The 10 m wide access track will be maintained in a stable condition suitable for security and maintenance vehicle access, with the remaining disturbed area rehabilitated as described in Chapter 17 Ecology of the EIS and Supplementary EIS.

5.5 CONSTRUCTION WORKFORCE

5.6 MATERIALS QUANTITIES, SOURCING, TRANSPORTATION AND STORAGE

5.7 SAFETY, HEALTH AND ENVIRONMENT

5.8 SITE MANAGEMENT AND SECURITY

5.9 CONSTRUCTION PHASE POTENTIAL IMPACT ASSESSMENT

Sensitive receptors in the vicinity of the revised pipeline alignment are shown in Figure 5-1-SV2.3. The revised alignment has resulted in additional sensitive receptors being in close proximity to the proposed pipeline along the revised alignment north of Giligulgul. The potential impacts and proposed mitigation measures related to these sensitive receptors will essentially be the same as the information provided in the EIS, as are discussed in the following sections of the EIS:

- potential air quality potential impacts and mitigation measures – refer to the EIS, Volume 2, Chapter 13 Air Quality
- potential noise impacts and mitigation measures – refer to the EIS, Volume 2, Chapter 15 Noise
- potential vibration impact and mitigation measures – refer to the EIS, Volume 2, Chapter 16 Vibration
- potential visual amenity impacts and mitigation measures – refer to the EIS, Volume 2, Chapter 19 Visual amenity.

5.10 SITE PREPARATION AND CONSTRUCTION PHASE MITIGATION MEASURES

5.11 REFERENCES