

MELBOURNE METRO RAIL PROJECT ENVIRONMENT EFFECTS STATEMENT
INQUIRY AND ADVISORY COMMITTEE

MMRA TECHNICAL NOTE

TECHNICAL NOTE NUMBER: 048

DATE: 25 August 2016

PRECINCT: Western Portal and CBD North Station
Precincts

EES/MAP BOOK REFERENCE: Map 2 (Horizontal Alignment Plans –
Construction Phase); Map 7 (Horizontal
Alignment Plans – Construction Phase)

SUBJECT: Access ramp to the Lloyd Street Business
Park

Dimensions of the Franklin Street adit

NOTE:

Lloyd Street Business Park access

1. Technical Note 009 advised of a proposal to install an access ramp to the Lloyd Street Business Park to maintain access during construction of the Western Portal Option A. On 23 August 2016, the IAC asked for more information about how this would be constructed.
2. This ramp could be constructed by piling the eastern and western walls followed by compacting crushed rock back fill, and appropriate road surfacing. Alternatively, the ramp could be constructed by installing a reinforced earth retaining wall to enable removal once surplus to Project requirements. While this would be a matter for detailed design, a reinforced earth wall may only be required on the eastern side of the ramp, as the Contractor may tie-in the existing batter on the western side of the ramp, thereby removing the need to have two piled structures.
3. The final design of the ramp will be determined by the PPP Contractor, in the event that Western Portal Option A is to be developed.

Franklin Street adit

4. Technical Note 011 advised of a proposal to install an adit approximately 25 metres beneath the City Baths for 'a high voltage electrical cable.'
5. The proposed adit has an excavation span of about 8m and an excavation height of about 5m. The reason for the adit being of this size is because it is to accommodate a large number of high voltage power cables and DC Traction Power cables to supply power for train operations. The exact number of cables is to be determined, but the conceptual design assumes 80-90 such cables. The adit also needs to be large enough for workmen to access the adit for the purpose of installing, repairing and replacing damaged cables.

CORRESPONDENCE:

No correspondence.

ATTACHMENTS:

No attachments.