Constraints Analysis

This section is an assessment of the constraints within the precinct. The physical characteristics of the precinct have been mapped and analysed to identify constrained and unconstrained sites for renewal. These characteristics include: transport and movement; open space; topography; flooding; vegetation; bushfire risk; heritage; recent residential development; land ownership; and social infrastructure.

The combination of these elements reveal the overall level of development constraint within the precinct. However, not all constraints that are identified are necessarily barriers to change, often they are opportunities for renewal in the future.

Figure 6: Images demonstrating the existing character and built form of the Macarthur precinct.
**Site Context**

**Transport and Movement**
Blaxland Road and Moore Street serve as the primary north-south access ways in the precinct, while the Hume Motorway and Campbelltown Road provide the main regional routes for through traffic in the area. The main access points include Narellan Road and Menangle Road.

The southern half of the precinct from Menangle Road contains a poorly connected local road network, largely due to Macarthur Square Shopping Centre that creates a barrier to vehicular and pedestrian movement, particularly in an east-west direction. Traffic signalisation is limited to intersections along Kellicar Road and Narellan Road.

**Walking Catchment**
Figure 8 below demonstrates the 5, 10 and 20 minute walking catchments from Macarthur station. Pedestrian and cycling accessibility is greatly restricted by a number of factors, including the rail corridor and the lack of dedicated and signalised crossings along Narellan Road.

There are also a number of local streets with limited street lighting and pedestrian footpaths that further restrict active modes of transport.
Open space network

Macarthur has a good supply of passive and recreational open space. There are a number of local community parks, as well as large tracts of natural vegetation and surrounding bushland.

Local parks in the precinct include Marsden Park, Gilchrist Oval and Barber Reserve.

The Mount Annan Botanic Gardens border the precinct to the west is a regionally significant open space that has both recreational, botanical and landscape value.

Figure 9 identifies the types of open space found in the precinct.

Figure 9(a): Existing open space network in the Macarthur precinct, University of Western Sydney Campus

Figure 9(b): Open space network in the Macarthur precinct