

Appendix 13: Building Siting Study

BUILDING SITING STUDY

EXPLORED OPTIONS - MENTAL HEALTH UNIT

RED HATCH REPRESENTS INDICATIVE NOISE SOURCE IMPACT ON SJOG MURDOCH SITE FROM SOUTH ST & MURDOCH DR



PROPOSED MHU SITING OPTION

- Proximity, connection and outlook to Quenda Wetlands
- Outlook and connection to hospital lake and landscaped gardens
- Corner location offers MHU its own precinct/character
- Links to main hospital while affording privacy
- Takes advantage of northern aspect, without risk of it being compromised in the future
- Acoustic challenge to be addressed by design



SITING OPTION 1

- Dislocated and impacts on centrally located public parking
- Disconnection from landscaped lake and gardens
- Located within busy portion of site = loss of serenity
- Proposed ring road will create bustling internal traffic in close proximity to MHU
- Within noise source impact zone - acoustic challenge needs to be addressed



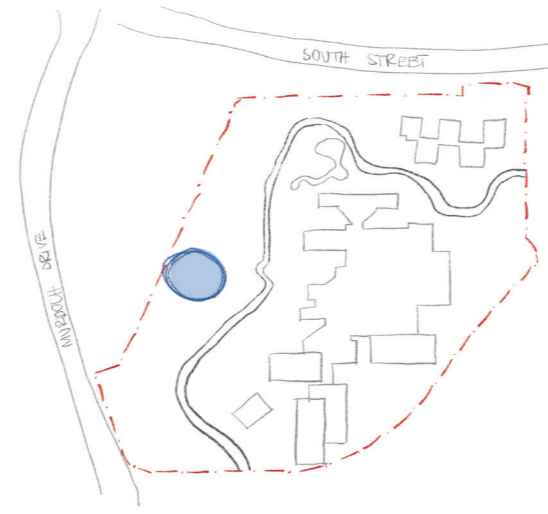
SITING OPTION 2

- Inappropriate use of prominent street front site, which is earmarked for future commercial building with activated street frontage
- Located on busiest portion of site - next to busy street intersection and main site entry, which will create lots of bustling surrounding traffic and loss of privacy
- Disconnection from landscaped lake and gardens
- Fails to take advantage of connection and outlook to wetlands
- Within noise source impact zone - acoustic challenge needs to be addressed

SUMMARY

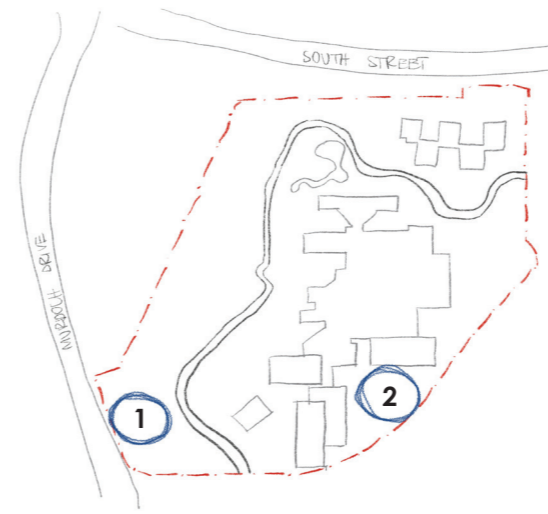
- Proposed MHU option prioritises outlook and connection to nature
- Corner location maximises privacy and creates own precinct
- SJOG Murdoch site proximity to major roads means a significant portion of the site has acoustic challenges to consider in the design - all options face the same challenges

EXPLORED OPTIONS - CARPARK



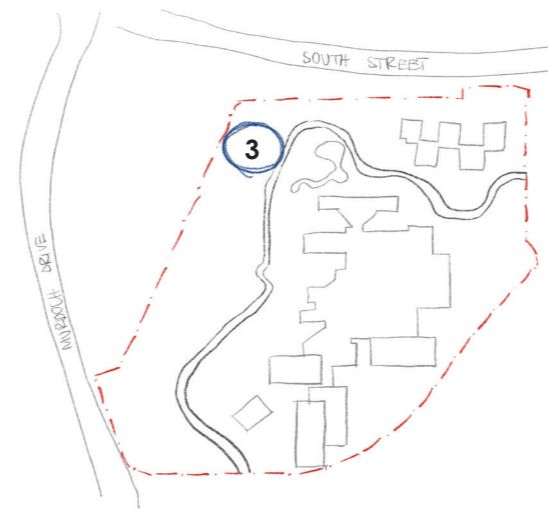
PROPOSED CP SITING OPTION

- Centrally located carpark provides convenient access to multiple hospital entries
- Adaptable footprint/expandable for future development
- Appropriate to clinical functional planning/masterplanning
- Location away from site entries allows for efficient traffic flow through proposed internal ring road/site



SITING OPTION 1 & 2

- Inappropriate use of prominent street front site, which is earmarked for future commercial building with activated street frontage
- Located adjacent to site entries, with potential to create build up of traffic onto Barry Marshall/Murdoch Dr
- Non-central and inconvenient to access hospital entries
- Dislocated from main hospital



SITING OPTION 3

- Non-central and inconvenient to access hospital entries
- Dislocated from main hospital
- Occupies portion of site zoned for non-acute use, potentially detracting from a more appropriate future function

- Proposed CP option prioritises central location for convenient access to hospital entries
- Central masterplanned carpark zone allows for future growth while retaining other portions of the site for their earmarked use