

REF 5 West Campus Medical Gas - Civil Report

RPA Hospital

Prepared for Health Infrastructure / 15 February 2024 – Revision 5

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1. Introduction

TTW has been engaged by Health Infrastructure to provide civil documentation to support the proposed REF 5 package of works on the West Campus at the Royal Prince Alfred Hospital (RPAH). These works relate to the Medical Gas storage compound location off Rochester Street. The location of the development site can be seen in Figure 1.

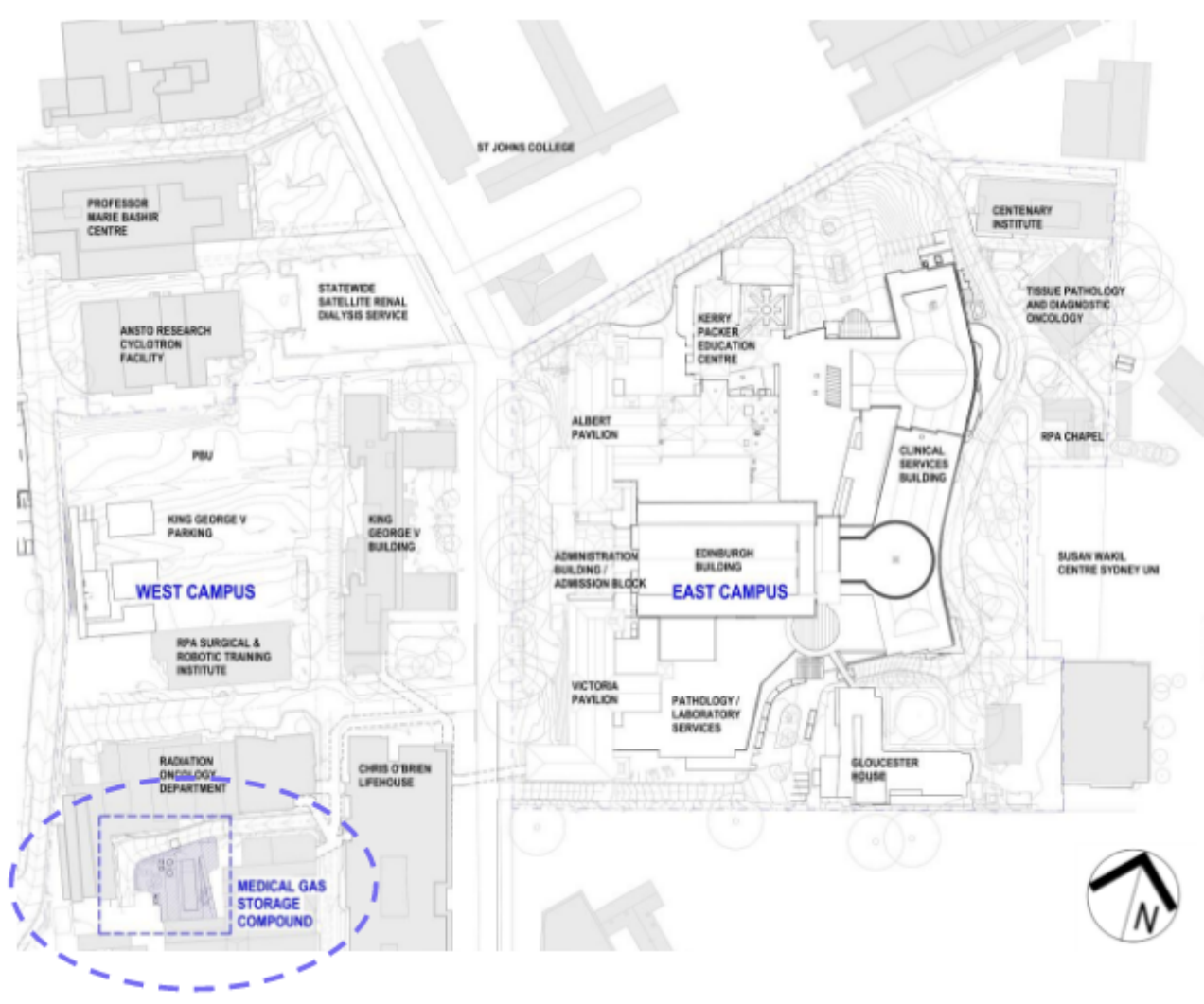


Figure 1 - Location of Medical Gas storage compound

The demolition work includes:

- Existing landscape area to be demolished to 300mm below existing ground level in preparation for new works.
- Existing fences to be removed.
- Existing trees to be removed.
- Existing walls to be removed to extent required for new works.
- Existing diesel tank proposed to be removed.
- Existing fence and door to be removed to extent required for new works.
- Existing railings to be removed to extent required for new works.

The new construction work includes:

- New Vaporisers.
- New 30kl Primary Tank.
- New Natural Finish RC Slab.
- Fire Rated Walls to be provided for compliance with Fire Rating Requirements.
- New Ramp.
- New Security Fencing & Access Gate to New Store Area.
- New Landing Flush with Existing Storage Level.
- New Flammable Gas Cylinder Storage Bays

The existing filling point hardstand is to be retained to serve the proposed works and there are no changes to the existing stormwater infrastructure.

2. Filling Point Hard Stand

Figure 2 shows the existing filling point hard stand on Rochester Street. This will be retained to serve the proposed works. The proposed works fall outside of the flood affected parts of the wider hospital site and will not impact existing flood behaviour. The works will not impact existing levels or stormwater drainage. No Council stormwater assets will be affected by the proposed works. Erosion and sediment control will be installed during the works to protect downstream waterways.



Figure 2 - Existing filling point hard stand

3. Conclusion

The proposed REF 5 works are to facilitate the Medical Gas storage compound required to serve the existing hospital. The proposed works will not adversely impact the existing pavement, levels or stormwater drains. The works are minor in nature and will not involve modification to any stormwater layouts. No Council stormwater assets will be affected by the proposed works. The proposed construction methodology and phasing will be critical to ensuring the operation of the hospital is not adversely impacted during the works.

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