

13 July 2018

Naomi Moss
Senior Planner – Transport Assessments
Department of Planning and Environment
320 Pitt Street
Sydney NSW 2000

PIR comments - Sydney Metro City and Southwest (Sydenham to Bankstown)

Ref: SSI 8256

Dear Ms Moss,

Thank you for the opportunity to review and comment on the Preferred Infrastructure Report for the proposed Sydney Metro City and Southwest (Sydenham to Bankstown) Project.

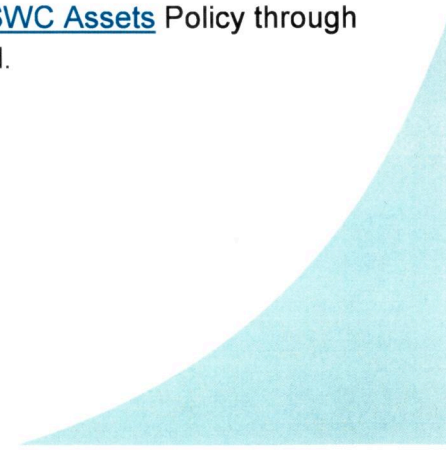
Sydney Water have actively engaged with the Sydney Metro Project regarding the mitigation of impacts to our assets before and during construction, and operations. During this engagement, review of the EIS and review of the PIR we confirm that there are impacts to Sydney Water assets due to the proposed Sydney Metro City and Southwest Project. We provide the following comments and requirements for inclusion in your conditions.

Sydney Water assets crossing the rail corridor

The EIS identifies that numerous Sydney Water culverts and pipes, including several critical assets, cross the rail corridor. Prior to design commencing for the Sydney Metro Project many of these assets will require relocation, adjustment, protection or upsizing to accommodate future growth. Sydney Water will continue to work with the Sydney Metro Project team to address these impacts early in the process.

Utilities Management Framework

Sydney Water does not accept the Utilities Management Framework (Appendix A) assessment of whether our assets are impacted or not until the detailed design of works can be shown. The Utilities Management Framework doesn't identify all potentially impacted assets. Sydney Water will work with the proponent to assess all works to determine the level and extent of impact and any action required. All potential impacts must be assessed in line with Sydney Water's [Building Over / Adjacent to SWC Assets](#) Policy through the process described in the Sydney Metro Program – SWC Interface Deed.

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Flood management

The project should address in detail both the existing flood risk and anticipated flood management system requirements to service future catchment conditions. The scope of flood management required at each station should be assessed in terms of risk to the public and property. The proposal to simply maintain drainage systems at stations may be unreasonable if the project will increase the exposure of the public to flooding hazards. The flood management system for the Project should be designed so that the residual flood risk to people and property is socially acceptable. Flood management should not rely on existing informal flood storages. The flood management plan for the project should address any current or potential impacts, in terms of social and economic costs, that flooding may have on the community.

Project designers should use any existing catchment flood management plan as design context. If there is no existing flood management plan which considers future conditions then Sydney Metro must develop a strategy for the broader catchment in consultation with Sydney Water and Council.

Flood Mitigation Services

Any works which will increase demand for, reduce availability of or impede provision of flood mitigation services must be agreed to by Sydney Water and Council.

Flood Models

Any flood models used should be independently reviewed to verify the suitability of the model assumptions.

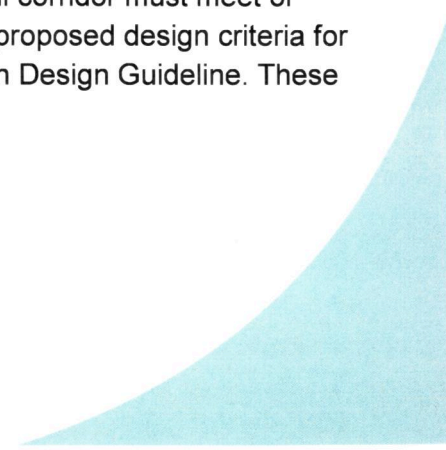
Marrickville Station

The following should be considered if drainage works are to be undertaken at Marrickville station:

- The review of discharges to the Malakoff tunnel in minor flood events.
- Any proposal to pipe additional stormwater flows from the southern side of Marrickville Station to the northern side of the railway line will have a negative impact which will cause flooding to the low-lying properties near the intersection of Byrnes and O'Hara Streets.
- The overall flood management plan should investigate a controlled overland flow path along the southern side of the railway line at Station Street.
- Water quality improvement measures should be incorporated into the design of the basin.

Water Sensitive Urban Design

Any discharges to Sydney Water stormwater systems from the stations or rail corridor must meet or exceed Sydney Water's stormwater quality targets. This is in addition to the proposed design criteria for water quality and water reuse presented based on the Water Sensitive Urban Design Guideline. These targets and criteria should be included in the conditions of approval.

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Heritage

Sydney Water must be consulted early and throughout the project in relation to any change of scope resulting in works taking place which may impact the State Heritage listed Marrickville Sewage Pumping Station (SP271).

Sydney Water will continue to engage with the Sydney Metro Project team to discuss designs, constraints and solutions for the benefit of the project and the community. If you require any further information, please contact Stefan Morvillo on 0466 334 027 or e-mail stefan.morvillo@sydneywater.com.au.

Yours Sincerely

Luke Camilleri
Acting Manager, Development Partnerships

A handwritten signature in black ink, appearing to read "L. Camilleri".

13/07/2018

