

16 October 2017

[REDACTED]  
Senior Planner – Transport Assessments  
Department of Planning and Environment  
320 Pitt Street  
Sydney NSW 2000

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

**Ref: SSI 8256**

Dear [REDACTED]

Thank you for the opportunity to review and comment on the Environmental Impact Statement (EIS) 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 and review of the EIS 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.

**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 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 Project should address any current or potential impacts it may have on the social and economic costs to the community as consequence of flooding.

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 project designers 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 due to the challenging existing conditions at Marrickville station:

- Confirmation of ownership for the proposed Detention basin.
- The review of discharges to the Malakoff tunnel in minor flood events.
- The 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**

Sydney Water recommends that it be a condition of approval that the water quality and reuse targets in Table 4.4 of the EIS be achieved for both the rail corridor and station areas. It is not acceptable to only maintain existing conditions as the proposed changes to the rail corridor will fundamentally change catchment conditions. Any discharges to Sydney Water stormwater systems must meet or exceed Sydney Water's stormwater quality targets.

### **Heritage**

Sydney Water must be consulted early and throughout the project in relation to any 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 me on 0407 702 994 or e-mail [fernando.ortega@sydneywater.com.au](mailto:fernando.ortega@sydneywater.com.au).

Yours Sincerely



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