

09 August 2017

Mr Adam O'Connor
Department of Planning and Environment
GPO Box 39
Sydney NSW 2001

Dear Mr O'Connor

RE: Sydney Metro City and Southwest (Chatswood to Sydenham) (SSI 7400) EIS Modification 4

Thank you for the opportunity to comment on Modification 4 of the Environmental Impact Statement for the proposed Sydney Metro City and Southwest (Chatswood to Sydenham) project. We have reviewed the provided documentation and have identified that there are potential impacts to Sydney Water assets by the proposed modification.

Sydney Water has been actively engaged with the Sydney Metro project in respect of the new location for the train stabling yard, which is within a low-lying flood prone area. The construction of the stabling yards at this location has the potential to increase the stormwater flows that are being diverted into Sydney Water's Sydenham Pit. To resolve this, Sydney Water will be required to pump out higher volumes from the pit into the Eastern Channel. This raises two key issues for Sydney Water and the Council in respect of stormwater management for the surrounding area, including:

- Possible reduction in the existing stormwater network capacity. The Sydenham Pit is currently the only mitigation against storm water flooding in the area. Increased flow into the pit may also reduce capacity in the stormwater network and limit the ability to add further flows from surrounding urban development.
- An increase to the pump out rate required from the Sydenham Pit will require the pump station to be upgraded to ensure higher reliability and reduce potential for flooding if the pit fills in a downpour.

The existing Sydenham Pit was built in 1935 and while some parts of the walls and floors have been repaired it is likely that the proposal to modify the pit will raise significant structural issues which will need to be addressed. Additionally, the pit in its current location is not publicly accessible. Providing pedestrian access would require consideration of the future cleaning and maintenance requirements to ensure the pit provides visual amenity for the public traversing the area. Consideration also needs to be given to future proofing the stormwater culverts leading into the pit as the construction above them will prevent future changes.

As the works around the stabling yards and the Sydenham Pit are being conducted by two separate contractors (TSE and SSJ) care needs to be taken to ensure that works are congruent and coordinated. Staging of the works will also need to be carefully considered to ensure that there is no increased flooding risk while works are being undertaken. The

stormwater network will be required to be fully operational at all times and as such access to Sydney Water assets will need to be maintained during construction and subsequent operations of the Metro.

The information provided in the EIS is of a high level and greater detail is required for Sydney Water to accurately assess the impact on our assets and the potential flooding in the area.

If you require any further information, please contact me on 02 8849 5231 or e-mail renee.ingram@sydneywater.com.au

Yours Sincerely,

A handwritten signature in blue ink, appearing to read "Renee Ingram".

Renee Ingram
Manager Development Partnerships
Sydney Water