

Transport for NSW (TfNSW) is constructing a new, architecturally designed substation within the existing rail corridor along Lindfield Avenue, Lindfield. The project also includes installing new overhead wires in the rail corridor between Killara Station and Clanville Road, Roseville. Laing O'Rourke has been appointed to undertake these works on behalf of TfNSW.

Work that was undertaken over the last six months has included:

- Construction of basement floor and wall structures
- Roof installation and internal services
- Permanent drainage installations
- Installation of stormwater storage and treatment devices
- Relocation of rail aerial services

The Lindfield Substation Project is subject to Conditions of Approval (CoA) and Sydney Trains Environment Protection Licence (EPL) 12208. The site operates and maintains general compliance with these and all relevant environmental legislation.

Works over the last six months have been completed with no environmental incidents and minimal impact to surrounding residents, road users and businesses..

With the majority of ground works being completed, the focus has shifted on the substation structure and associated services. As such, the risk of construction water collecting in excavations during inclement weather, has been greatly reduced. Water can still be captured via onsite rainwater tanks and, during dry conditions, water is treated to a set criterion prior to being released slowly onto adjacent grassed patches within the site boundary.

The project has undertaken works during the last six months outside the standard working hours detailed in the project CoAs. Approval to undertake these works was granted by TfNSW as the consent authority for the project. No public concerns have been raised regarding these out-of-hour works. The achievement of an effective environmental outcome has been supported by a series of regular community notifications and by effectively managing potential impacts associated with construction activities.

The project's waste management strategy ensures that all risks associated with managing waste, associated issues, licensing and monitoring activities are considered and managed effectively during construction. The project continually aims to reduce waste to landfill by 90%. All waste is recorded and tracked, and waste data is collected and analysed against the set objectives on a monthly basis.

Future works will include substation fit-out, car park completion, stormwater and sewer installation and landscaping. Monitoring of all environmental risks and the ongoing management and maintenance of the onsite environmental controls will continue until the site is commissioned and works completed.



Figure 1 - Substation structure being erected and louvers installed



Figure 2 – Construction of the stormwater storage device and substation car park