

# Newcastle Light Rail Construction notification

18 January 2018

## Deep sewer upgrades starting from 22 January 2018

The NSW Government is investing over \$650 million through the Revitalising Newcastle program to transform Newcastle's city centre. Light rail is an important part of the Revitalising Newcastle program and will deliver frequent and reliable connections to key activity precincts in the city centre. Downer EDI is delivering light rail on behalf of Transport for NSW.

Work includes upgrading sewer infrastructure on Hunter and Scott streets. The existing sewer, which is six metres below the road, was installed in 1909 and needs to be replaced.

Deep sewer upgrades will be completed in the following areas:

- Hunter Street between Burwood and Crown streets (zones 4 and 5)
- Scott Street between Newcomen and Pacific streets (zones 8 and 9)

### What's involved?

Work involves digging large pits and trenches to install new deep sewer infrastructure. Up to 10 days will be required to establish each pit, and sheet piles will be installed at each pit location. Sheet piles are sheets of steel with interlocking edges that are driven into the ground to provide structural support to excavated areas.

Deep sewer infrastructure including customer connections will then be installed. A combination of microtunnelling and open trenches will be used to complete this work.

Due to the depth of the pits and trenches required, pumps will be used to remove groundwater and ensure the safety of our workers and the wider community. Water removed by the pumps will be tested and treated, if required, before being discharged back into Newcastle City Council's stormwater system.

### How long will it take?

Work will start from Monday 22 January 2018. Deep sewer upgrades are expected to take up to four months, subject to weather and other unforeseen circumstances.

**Water pumps will run 24 hours a day, seven days a week during this work.**

### What you may notice

Excavation work and installation of sheet piles will be noisy and will cause vibration in nearby buildings. This is a common technique used in urban areas and if you feel vibration in your building due to this work, there is no immediate cause for concern. Vibration monitoring will be in place to ensure there is no cosmetic or structural risk to nearby buildings.

To minimise the impact of noise and vibration on the community, there will be a one hour break for every three hours of sheet piling work.

We will also aim to minimise noise by:

- Noise barriers will be placed around pumps to help minimise noise
- Scheduling the noisiest activities during the day, where possible
- Using non-tonal reversing beepers on all machinery (excluding delivery vehicles).

We will aim to minimise dust by:

- Using water carts
- Installing hoarding mesh
- Avoiding dust generating work on windy days, wherever possible.

We will aim to minimise vibration by:

- Minimising the number of plant operating at any one time

We recognise noisy, dusty and vibration generating work is inconvenient for the community. We apologise for the disruption and assure you we are committed to minimising noise, dust and vibration from our work wherever we can.

### **Will there be any service outages during this work?**

There may be short-term service outages due to deep sewer work. Hunter Water will provide further information to affected businesses and residents before work takes place.

### **Pedestrian and traffic changes**

All work will be carried out in existing construction zones, so there will be no further changes for pedestrians or traffic.

### **What equipment will be used?**

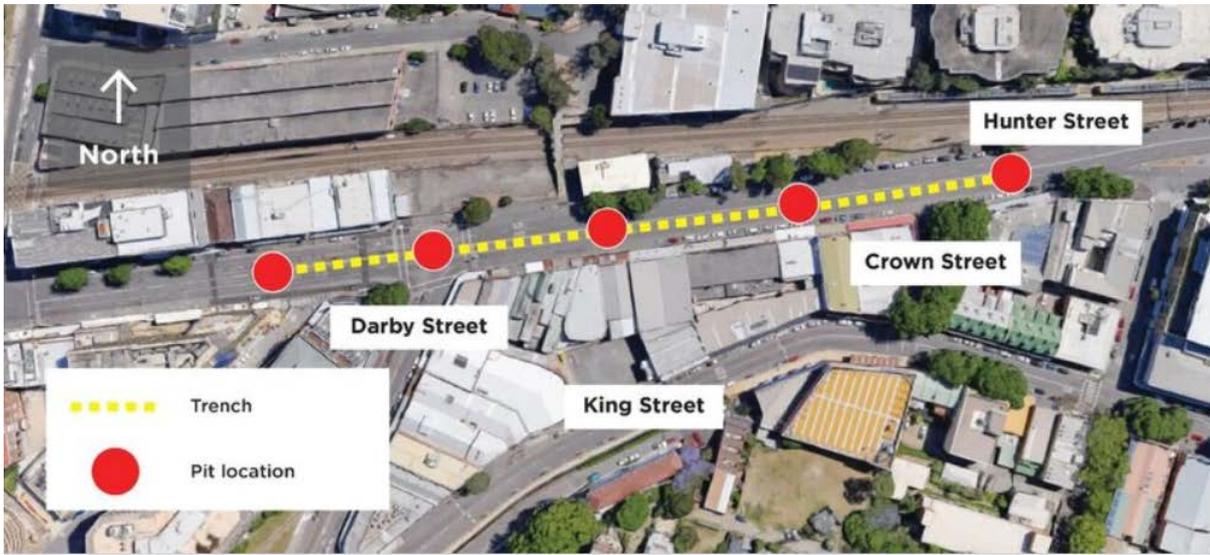
Equipment to be used includes, but is not limited to, excavators, cranes, trucks, light vehicles, piling equipment, hand tools, shoring boxes, treatment and pumping systems and generators.

### **Thank you for your support**

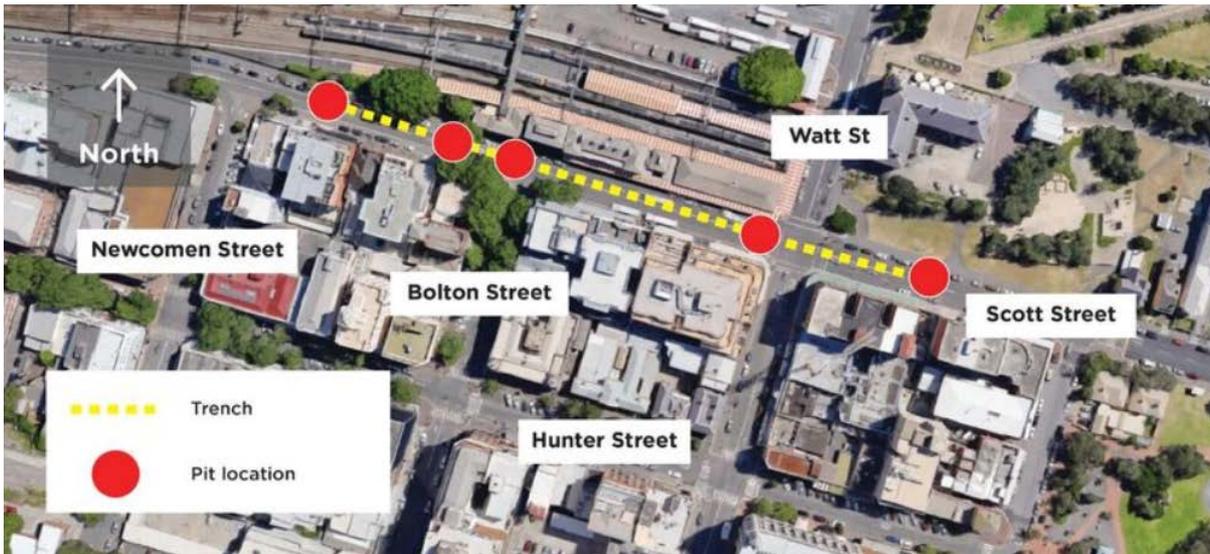
We are committed to keeping you updated and will continue to work with you as Newcastle Light Rail construction progresses. Thank you for your patience during this important work. We are looking forward to the long-term benefits Newcastle Light Rail is set to deliver to you and our city once in operation.

### **The Newcastle Light Rail project team**

## Deep sewer upgrade locations



Zone 5



Zones 8 and 9