

# High Street Upgrade Stirling Highway to Carrington Street

## Horrie Long Reserve - Drainage infiltration installation works commencing in mid-October

The storm water drainage network is being upgraded as part of the High Street Upgrade project.

Original designs involved building two new open sumps, and storage underneath the new roundabout to filter and store stormwater. An alternative, more sustainable design has been developed, where an ecoAID infiltration basin will be installed underneath nearby Horrie Long Reserve. This initiative will also allow us to improve connectivity for pedestrians and cyclists and increase landscaping opportunities to the north-east of the new High Street/Stirling Highway roundabout.

### What is the alternative drainage solution

The ecoAID technology is designed to be installed under public open spaces. Water will first be treated, then distributed to the new double-stacked ecoAID storage cells underneath the reserve.

### Benefits

The Horrie Long Reserve solution has a number of benefits, including:

- Increasing landscaping opportunities north-east of the intersection, and in the roundabout.
- Enabling path connectivity between underpasses by removing drainage sumps north-east of the roundabout
- Upgrading the aging reticulation system and turf in Horrie Long Reserve
- Recharging the ground water aquifer.

### Construction

The new infiltration and storage system will be installed in several phases:

1. Site investigations, including service locating in the surrounding area is currently underway. The drainage solution has been designed to avoid removing mature vegetation.
2. To safely commence works, the perimeter of the works area will be fenced from mid-October.
3. Excavation and ecoAID installation – processing tank and infiltration cells to be installed once excavation is complete.
4. Connection to the Stirling Highway and High Street drainage network – trenching the northern verge of Holland Street.
5. Park remediation – Reticulation, cricket pitch and re-turfing. Temporary fencing to remain in place while the new turf establishes.



*Example of ecoAID structures to be installed underneath Horrie Long Reserve*

## Park access

To safely install the new drainage, **access to the cricket pitch and the centre of park will be closed from mid-October**. Fencing will be installed progressively, commencing during the week of **12 October 2020**. See the map overleaf for further details.

The works are expected to take approximately three to four months to complete. Updates and more specific re-opening dates will be provided during the construction phase.

The amenity blocks, and basketball court will remain accessible from Forrest Street.

Once the ecoAID system construction is complete, new reticulation will be installed and the area will be re-turfed. Temporary fencing will remain for several weeks after the area is re-turfed to enable grass to establish.

## Traffic and parking changes

When the connection of Horrie Long Reserve drainage and the Stirling Highway drainage network commences, a closure of the eastbound lane on Holland Street will be required between Amherst Street and Wood Street. The street will remain open to local traffic travelling westbound only.

Street parking on Holland Street between Amherst Street and Wood Street will not be available during this time. Limited parking will be available on the northern verge in front of the reserve, west of the site fencing.

Timeframes and further information will be provided closer to the commencement of the connection work.

See the map overleaf for further information about traffic and parking changes.

## Construction traffic and machinery

Works will involve excavators, bobcat, loaders, compactors and light vehicles. Hiab trucks and semi-trailers will deliver materials to site and remove excess soil from site. An increase in construction traffic during daytime working hours is expected.

Trucks and light vehicles will access the reserve via a gate on Forrest Street. Intermittent light vehicle access may be required from Holland Street.

## Community engagement

Main Roads and its contractor Georgiou have worked with the City of Fremantle to develop this alternative drainage solution. Members of the project's Resident Reference Group, Gibson Park and White Gum Valley Precinct Groups have been briefed. Project updates have included details about the Horrie Long Reserve solution, and the community in the vicinity of the Horrie Long Reserve has also been notified.

Signage will be posted at the park with information about access changes prior to the establishment of site fencing.

## Managing construction impacts

During construction, equipment and vehicle movements may create some noise, vibration and dust. To minimise disturbance as much as possible, ongoing monitoring and testing will be undertaken and where necessary, additional controls will be implemented including modification of construction activities. Water trucks will regularly water down the works area, and apply dust suppressant materials where possible. Noise and vibration levels will also continue to be monitored.

## Contact us

If you have any questions or concerns regarding the High Street Upgrade, please phone 138 138 or email [enquiries@mainroads.wa.gov.au](mailto:enquiries@mainroads.wa.gov.au). For more project information, or to subscribe for regular updates, please visit <https://www.mainroads.wa.gov.au/projects>.

## Map - Horrie Long Reserve works area

