

DESIGN STATEMENT

A sump pit can be provided in reserves as a drainage outlet for ag pipes where there are no adjacent connections to storm water drainage or garden beds.

A sump pit allows for storm water runoff to percolate through to the ground (typically from a playspace ag drainage).

The sump pit should be positioned away from typical vehicular or foot traffic in the reserve and be connected to the ag drainage at a typical 1% fall.

Provide sufficient cut or fill to the site to ensure that a minimum of 1% fall can be achieved for drainage runoff to enter the sump pit.

APPLICABLE LOCATION

Merri-bek open space including conservation areas, parks, playspaces and reserves.

COUNCIL STANDARD DRAWINGS

A140.22 Park Sump Pit.

CROSS REFERENCE DOCUMENT

- A140.21 Park Ag Drainage.

STANDARD SPECIFICATION

Although a sump pit can be constructed with concrete walls, it is typically an earthen pit filled with scoria or screenings with no fines.

A permeable geotextile layer is provided on top of the sump pit. Grass with its soil subbase or organic mulch (if concealed in a garden bed) is then reinstalled on top of it.

SUPPLIER

N/A

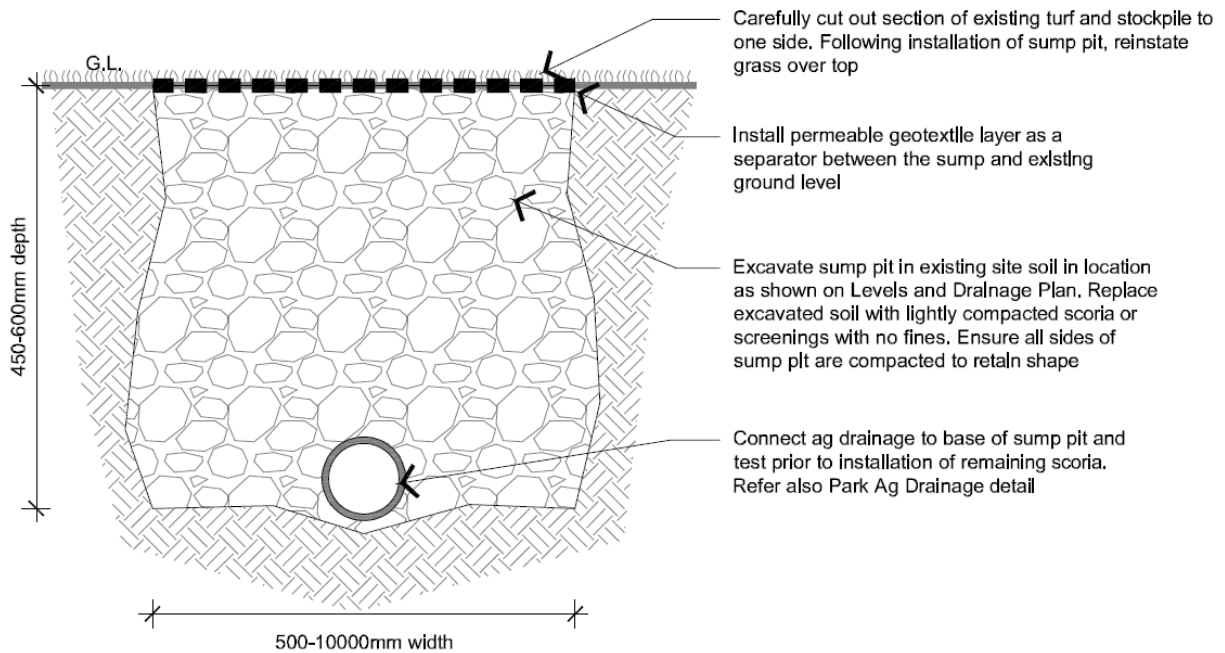
MAINTENANCE

Periodically flush fresh water through the ag drainage system to ensure that the ag drainage outlet is still connected to the sump pit and the sump pit is still filling up with runoff and slowly dissipating through the ground as intended.

A140.22 Park Sump Pit

Notes:

- Sump pits can only be provided in reserves as approved by Council's Superintendent.
- Drainage runoff to be diverted to sump pit where connection to stormwater drainage or adjacent garden bed is not possible and as confirmed by Superintendent.
- Sump pit to be positioned away from typical vehicular and foot traffic to avoid its compaction.



01 TYPICAL PARK SUMP PIT
Detail 1:10