



DESIGN STATEMENT

Ag drainage is a preference for inclusion in playspaces to reduce water bogging after rain events, especially where the given site does not have significant natural fall away from the play areas or where the soil is predominately clay.

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

APPLICABLE LOCATION

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

COUNCIL STANDARD DRAWINGS

A140.21 Park Ag Drainage.

CROSS REFERENCE DOCUMENT

- C200.05 Playground Edges (various)
- A140.22 Park Sump Pit.

STANDARD SPECIFICATION

90-100mm diameter corrugated ag pipe laid in 150mm depth screenings layer with no fines.

Enclose the ag pipe in geotextile sock in a geotextile layer.

Connect to capped inspection chambers with solid UPVC risers wherever there are junctions in the ag pipe, for maintenance purposes.

Provide solid pipe connections when connecting drainage below impermeable surfaces (including textured rubber and other rigid attenuation surfaces).

All solid pipes to be UPVC sewer-grade.

Divert storm water runoff from ag pipes to adjacent garden bed, sump pit or storm water pit, whichever is closest.

SUPPLIER

Varies provided from accredited plumbing supplier

MAINTENANCE

Periodically flush fresh water through ag drainage via inspection chambers to ensure ag drainage system is still working as intended. Repair or replace any failed sections and retest.

C140.21 Park Ag Drainage

Note:

- Agricultural drainage is required under softfall mulch areas in playspaces. Connect ag drainage to sewer-grade solid uPVC pipe when under textured rubber. Refer to Drawings for drainage layout.
- Typically drainage layout to be herringbone form with each ag drainage segment laid in a drainage layer 100mm wide x 100-150mm deep. Drainage is to be graded at min. 1% fall towards adjacent garden bed, sump pit or drainage pit (whichever is closest).
- The ag drainage can be laid in a geotextile sock or a geotextile layer can be used.

