

Root Barriers

- Root barriers are only to be installed when and where required by utility providers and approved by the City's Representative
- Any root barriers recommended by ATCO Gas spotters on site must be approved by the City's Representative prior to installation
- Sheet root barriers are to be HDPE installed as per the Design and Construction Notes below.
- Rigid root barriers are to be PVC or high strength concrete, installed as per CoP details and AS4678:2002 Earth Retaining Structures.
- High strength concrete panel and post retaining is the preferred rigid barrier required by ATCO. Refer to CoP details.

Geotextile Fabric

- Preferred product Bidim Green A49G by Geofabrics Australia or similar approved by City's Representative
- Fibergrid for structural cells to be 100Kn

Storm Water Harvesting Systems:

- A Stormwater harvesting system should be installed as per CoP details on all trees where it is practical and useful.
- Practical meaning where there is sufficient space, depth and condition of kerbs or asphalt is not compromised by installation.
- Useful meaning there is a sufficient catchment area to provide substantial water flow into the system.
- Standard inlets to be utilised wherever kerb height allows (min 50mm). Alternative inlets may be proposed. Design must be reviewed and approved by the City's representative prior to works commencing.
- Pipes and connectors to be 65mmØ UPVC.
- Inlet pipes to have a minimum fall of 5% to allow water flow.
- Watering Rings to be 100mm slotted agricultural pipe wrapped in nylon sock.
- Watering ring layout should be modified to cover maximum area within soil zone and work around existing infrastructure or services.
- Two watering rings should be installed if soil zone is greater than 5m³ - one in close proximity to rootball and one close to the edge of excavation / soil zone.
- Inlet alignment - preferred alignment is central to tree grate, directly adjacent and perpendicular. Location of inlet may be shifted to avoid existing services or retaining required for grates at the back of kerb.
- Vertical riser preferred product - Citygreen Snorkil™ Root Rain Urban or similar approved.
- Photographic evidence must be submitted showing the completed stormwater system installed, prior to backfilling.