

The appropriate sized Storm Catch GPT unit should be installed to accommodate the required surface area that the stormwater unit will be servicing in relation to flow rates and surface water. When considering the appropriate size of GPT, rainfall intensity of 1:100 year event should be considered for the location of where it will be installed and the captured surface area.

INSTALLATION

- 1.** The prepared excavation should allow the Storm Catch GPT unit to be seated firmly on a layer of firmly compacted bedding sand with the upper surface of the steel grate at the proposed final surface level.
- 2.** Mark and cut the pit walls to accept the outlet pipe on the GPT unit at the required level.
- 3.** All outlet pipes should fitted through the pit wall and sealed using either a rubber fitting such as Uniseal or pour a base of concrete around the pipe penetration.
- 4.** Insert the SQID basket into the unit with the top of the basket resting in the pit rim. For larger Pits, it is recommended to insert bracing between the walls of the unit below the SQID basket prior to backfilling.
- 5.** Place the appropriate grate into the unit for the required Class loading requirement on top of the SQID basket.
- 6.** Pour mass concrete at the pipe penetrations outside of the unit wall to provide support to the pipe existing the unit.
- 7.** Backfill around the unit with compacted clean soil and sand.
- 8.** Depending on the Class loading of the grate selected, ensure sufficient concrete is poured around the unit inlet and under the rim. For Class A applications, 100mm depth below the top of the rim, Class B applications 150mm depth below the top of the rim. This is to be on all sides of the rim of the unit to provide adequate support for loading.
- 9.** Ensure the concrete or bitumen surrounding the rim of the unit is level with the top of the unit to allow for water to flow into the unit.