

## Sewer Pump Stations

### Pump Stations

Rocla® precast sewer pump stations are available in a wide range of diameters. Pump station components are designed and manufactured in accordance with OPWS drawing ST407A and are approved for use in Sydney Water applications.

#### Top & Bottom Units

Pump stations designed in accordance with drawing ST407a are required to have top and bottom units. The first chamber in a pump station must be a “bottom” unit. Subsequent chambers may be “top” units. Bottom units are specially designed with extra cover to the reinforcement as well as additional reinforcing. Top units can be manufactured to special lengths for project specific applications. Contact Rocla for more information.

#### Installation Procedure

Rocla® pump station components should be installed in accordance with general notes shown on drawing ST407a.

After the joints are cleaned and prepared, both surfaces should be epoxy coated with Epirez 633 or equivalent.

Epoxy mortar, consisting of 1 part approved epoxy to 3 parts quartzite aggregate, by volume, should then be applied to the bottom joint prior to the next chamber being placed.

Backfill consisting of select permeable material is then backfilled around the pump station in accordance with ST407a.

### Pump Stations

Nominal Diameter	External Diameter (mm)	Internal Diameter (mm)	Wall Thickness (mm)	Available Chamber Heights	
				Bottom Unit (m)	Top Units (m)
1500	1689	1461	114	2.44	2.44 + 1.20
1650	1854	1638	108	2.44	2.44 + 1.20
1800	2019	1791	114	2.44	2.44 + 1.20
1950	2184	1936	124	2.44	2.44 + 1.20
2100	2336	2066	135	2.44	2.44 + 1.20
2400	2718	2438	140	2.44	2.44 + 1.20
2700	2980	2700	140	2.50	2.50 + 1.22
3000	3310	3000	155	2.50	2.50 + 1.22

