Expansion Joint to Engineers Specification. (See Note 3)

250mm

(See Note 2)

Concrete Encasement (See Note 1)

280mm

80mm

100mm

100mm

Notes
1. Concrete encasement dimensions and/or reinforcement changes may be required for specific site conditions. Minimum concrete strength of 25MPa is recommended. Ensure concrete is vibrated. Always seek engineering advice.
2. The finished level of the concrete encasement should be 3-5mm above the channel edge.
3. Expansion control joints are recommended for protection of the concrete encasement.

SABdrain water drainage systems

952 200mm x 200mm - Load Class A10
FOR ASPHALT

Specification Clause
The surface drainage system shall be SABdrain 952 200 200 polypropylene plastic channel, fitted with marine grade stainless steel heel guard anti-slip grating Load Class – A10

Properties
SABdrain 952 200200 polypropylene plastic channels shall meet the following properties:-

COMPRESSIVE STRENGTH	$58N/mm^2$
TENSILE STRENGTH	$14N/mm^2$
DENSITY	$0.960\ g/cm^2$
WATER ABSORPTION	<0.05%
THERMAL EXPANSION COEFFICIENT	$15x12^{-5}\ mm/°C$
FROST PROOF	YES
MELTING POINT	162 – 168 °C
CO EFFICIENT OF ROUGHNESS	N=0.010
CHEMICAL RESISTENCE	YES
NON FLAMMABLE	YES

for detailed chemical resistance, refer to https://sabdrain.com.au/chemical-resistance/
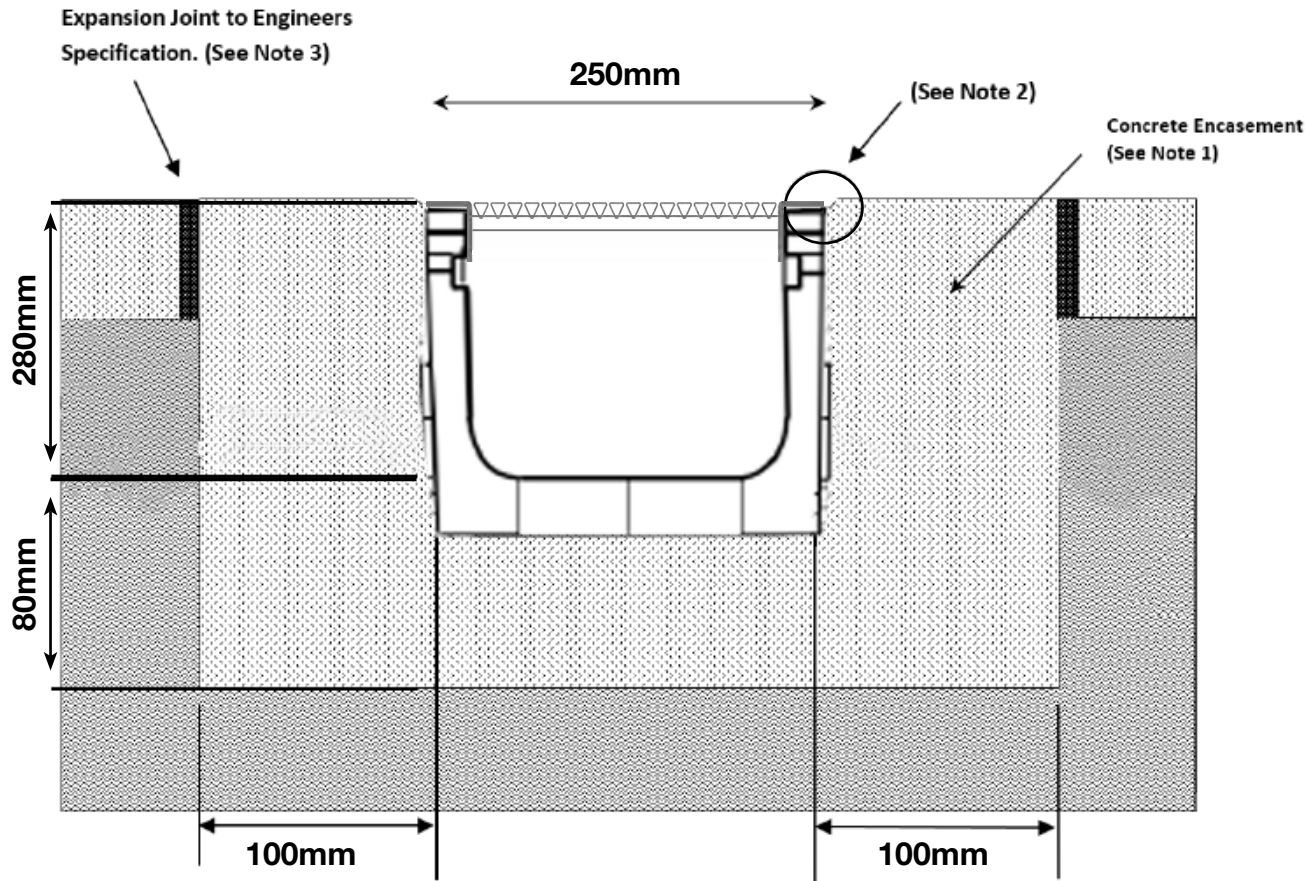
Dimensions
SABdrain 952 200200 channels dimensions shall be an internal height of 200mm with an internal width of 200mm and an overall height of 280mm and width of 250mm, with Male/Female interlocking joints, the channels shall have provision to create a 2° (17M) Radius.

Grates
Refer to the relevant specification sheet for the selected grate.

Installation
The SABdrain 952 200200 Drainage system shall be installed for its intended purpose. Any improper installation and usage could result in product failure.