

Slight crossfall on concrete surround to direct surface water to Swarm Aqua® channel openings & prevent ponding or pooling.

Expansion / Contraction joint at edge of channel trench. This is to allow for thermal expansion of surrounding detail without impacting the Swarm Aqua® surround.

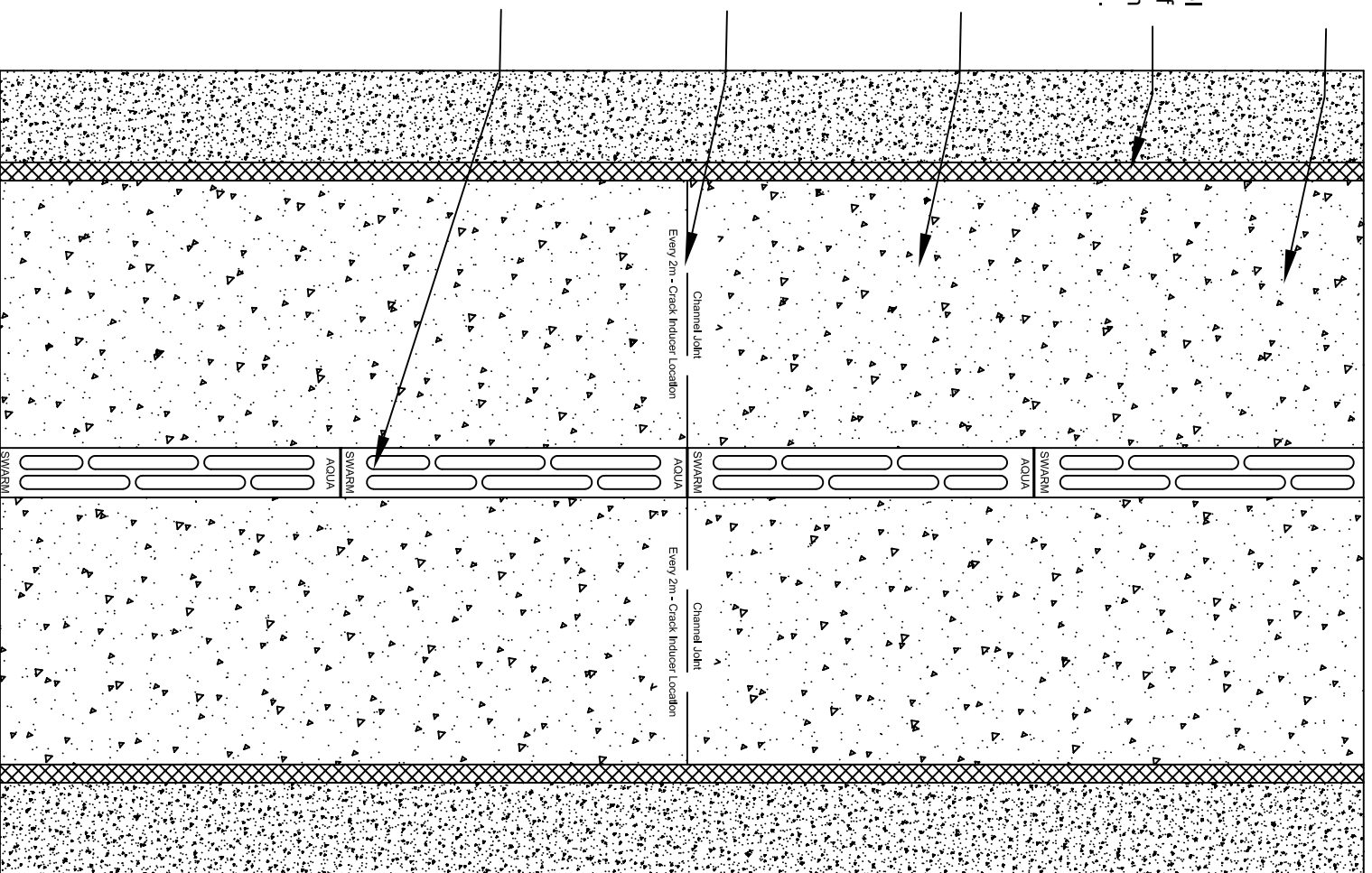
Minimum grade of concrete to be 32/40 to achieve stated load ratings. For more details on concrete grading and reinforcement detail where required please contact Swarm on 01227 39 22 99

At each channel joint (usually every 2m unless special parts have been supplied), concrete crack inducers should be used in order to form a controlled, straight lined crack.

During installation it is important not to allow excess concrete to enter the channel openings. This can be prevented by using a durable construction tape until the channel has set.

Once the channels have been installed and the concrete set, small amounts of debris can be cleaned from the channel body and collected at one end via a combined access box. The maximum direct pressure that the Swarm Aqua® channels can withstand for cleaning is 180 Bar or 2500PSI.

Swarm Aqua® channels achieve their load ratings as a function of the concrete surround.



Important Notes:

1. First concrete pour to affix feet to trench base, a gap of 20mm should be left between cured pour and channel base to allow for second pour to flow underneath the channel. Minimum concrete grade should be 32/40.
2. Do not scale from this drawing. Some dimensions are representations.
3. The contractor is responsible for maintaining structural integrity at all times and for providing adequate temporary works.
4. A drawing showing reinforcement requirements and detail is available upon request.
5. The concrete surround, surface finish and reinforcement guidelines are suggestions and ultimately the responsibility of the project engineer, as site conditions can vary.
6. The load class of swarm aqua is up to F900 to EN1433. This may be subject to concrete reinforcement.

Revision Notes: NA

Drawing No: SA-S-010

Revision: -

Drawn By: DAL

Date: 02/02/2021

Checked By: JC

Part No: SA0*

Title:

Swarm Aqua Cast F900
Concrete Installation Plan View



Swarm Water Management LTD
41 Wheatfields
Aldington,
Ashford
Kent TN25 7GF
www.swarmwm.co.uk

Disclaimer: This drawing and its contents are not to be copied or reproduced in any form without the written consent of Swarm Water Management Ltd. It is the property of Swarm Water Management Ltd and shall remain their property. It is not to be used for any other purpose than those provided by Swarm.

Scale: DNS