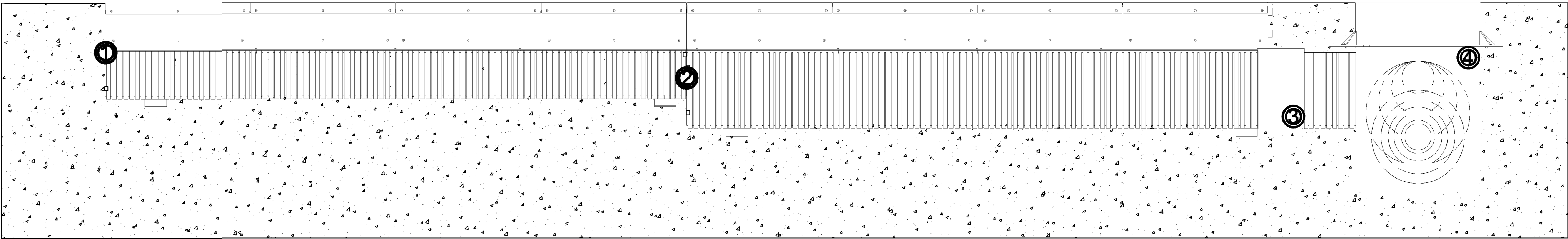
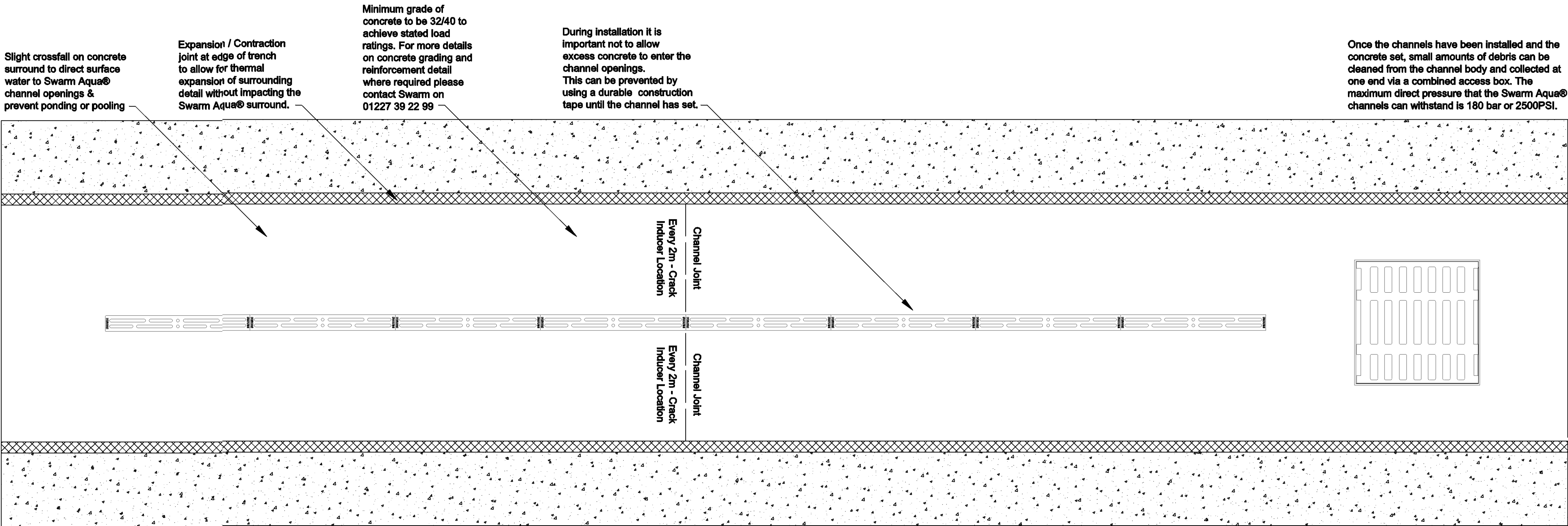


Notes

1. This drawing is to be read in conjunction with all the relevant contract documentation.
2. This drawing and its contents shall not be reproduced or reused in whole or in part without Rolton Group's express permission in writing and Rolton Group accepts no liability for any damages, costs, losses, claims, proceedings or expenses arising from such use.
3. All dimensions are in mm unless otherwise stated. Dimensions to be checked on site prior to construction and any discrepancies reported to the Rolton Group Engineer.
4. Only drawings that indicate CONSTRUCTION as the issue purpose should be used for construction.
5. Any CONSTRUCTION status issue does not provide or imply approval or validation of any third party information.
6. Revision clouds are shown for assistance only, the whole drawing is to be checked for new/amended information.
7. Not all hatches and linetypes shown on legends and keys may be present on this drawing. Drawings to be printed in colour by default, typical material colours are for clarity only.



SWARM AQUA®
Accessories & Plan View

1 End Cap

A simple flat end cap designed to fit over the end of the Swam Aqua® channel section. This piece can be held in place with construction tape prior to the concrete pour to keep it in place. Universal to all Swam Aqua® systems.

Code - Channel

SB01 - 100mm
SB02 - 150mm
SB03 - 225mm
SB04 - 300mm
SB05 - 375mm

Code - Channel

SB06 - 450mm
SB07 - 600mm

3 Chamber Connector

The Chamber Connector is standard twinwall pipe. A minimum length of 300mm provides sufficient concrete to set around the combined box, however the length can be increased to meet any length of run. Universal to all Swam Aqua® systems.

Code - Channel

SS01 - 100mm
SS02 - 150mm
SS03 - 225mm
SS04 - 300mm
SS05 - 375mm

Code - Channel

SS06 - 450mm
SS07 - 600mm

2 Transition Piece

The transition piece is used to connect Swam Aqua® channels of differing sizes together in order to create an average gradient over the length of a channel run. This piece can be held in place with construction tape prior to the concrete pour to keep it in place. Universal to all Swam Aqua® systems.

Code - Channel

SC01 - 100/150mm
SC02 - 150/225mm
SC03 - 225/300mm
SC04 - 300/375mm
SC05 - 375/450mm
SC06 - 450/600mm

4 Combined Box

The combined boxes can be used for both outlet and inlet as well as rodding access. For channel sizes up to 300mm, a small box can be used, for channel sizes 375 & 450 a large box should be used.

SD01 - Small Combined Box

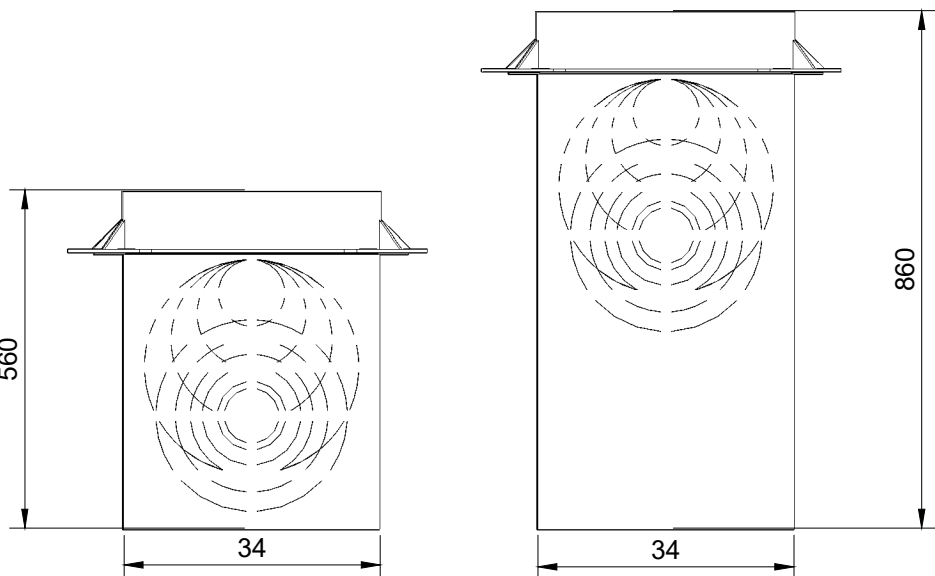
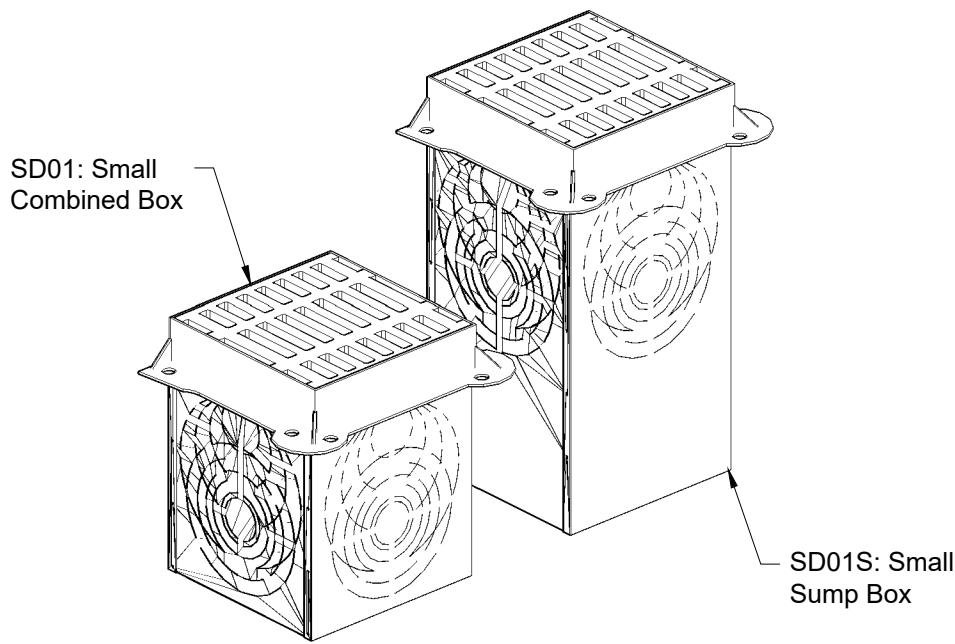
H: 650mm W: 420mm
Suitable for up to 300mm Channel
Pipe Knockouts for outlet: 92 115 165 205 255 320

SD02 - Large Combined Box

H: 800mm W: 625mm
Suitable for up to 450mm Channel
Pipe Knockouts for outlet: 320 360 440

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 swam aqua is up to D400 to EN1433. This may be subject to concrete reinforcement.



SD01: Small Combined Box
SD01S: Small Sump Box

Notes:

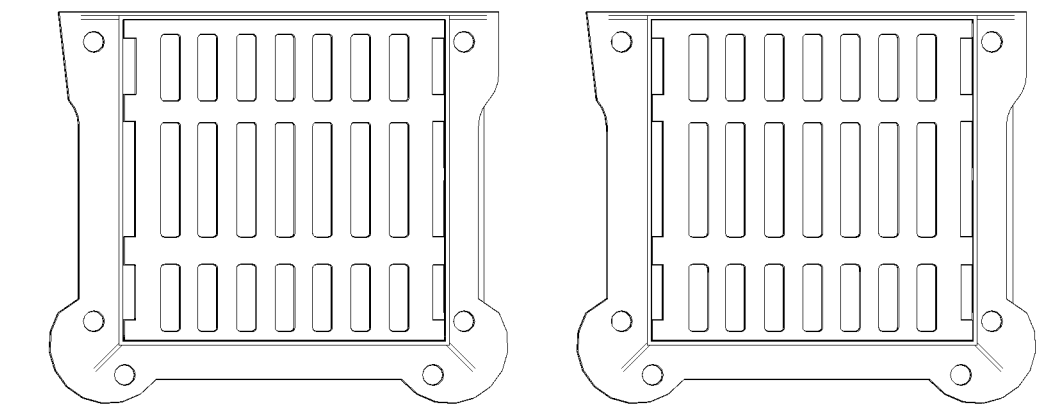
These units are manufactured from galvanised steel sheet to be cut on site to suit requirements. Perforated guides are provided to aid in cutting.

The gratings shown are ductile iron and rated at D400kN. These gratings are 100mm deep. Upon request, F900kN gratings can be supplied at an additional cost. These gratings will add an additional 50mm on to the depth of each box.

To achieve the load rating of the given gratings, a suitable concrete surround must be in place to support the frame in any surface finish.

Guides are supplied to suit Swam Aqua® channels up to 300mm wide inclusive.

Outlet guides are provided to cut at (mm) 92, 115, 165, 205, 255, 320 diameters.



SWARM AQUA
Small Sump/Combined Box
Indicative

DO NOT SCALE

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Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Risks that may not be immediately apparent are listed below.



Unknown services



Groundwater

Status	Date	Description	Dwn	Eng	Chkd	Veri
D2-P01	13.12.23	Issued for tender				
			CB	Bo	OP	Rho

**SWARM AQUA PRODUCTS
ARE SHOWN - SIMILAR
PRODUCTS CAN BE USED
FROM OTHER
MANUFACTURERS**

**DRAINAGE CHANNELS TO
BE INSTALLED IN
ACCORDANCE WITH
MANUFACTURERS
RECOMMENDATIONS AND
SPECIFICATION**



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Project:
Sytner Group Porsche
Mid Sussex
New Dealership & Workshop Facility

Drawing Title:
Proposed Drainage
Construction Details
Sheet 3

RGL Project Ref: 23-0466	Scale@A1 Varies	Scale@A3 Varies
Specification(s):		

Drawing Number: 230466-RGL-ZZ-XX-DR-D-140-0003 Project-Originator-Zone-Level-Type-Role-Classification-Number	Status: D2-P01 Suitability-Revision
Issue Purpose: TENDER	