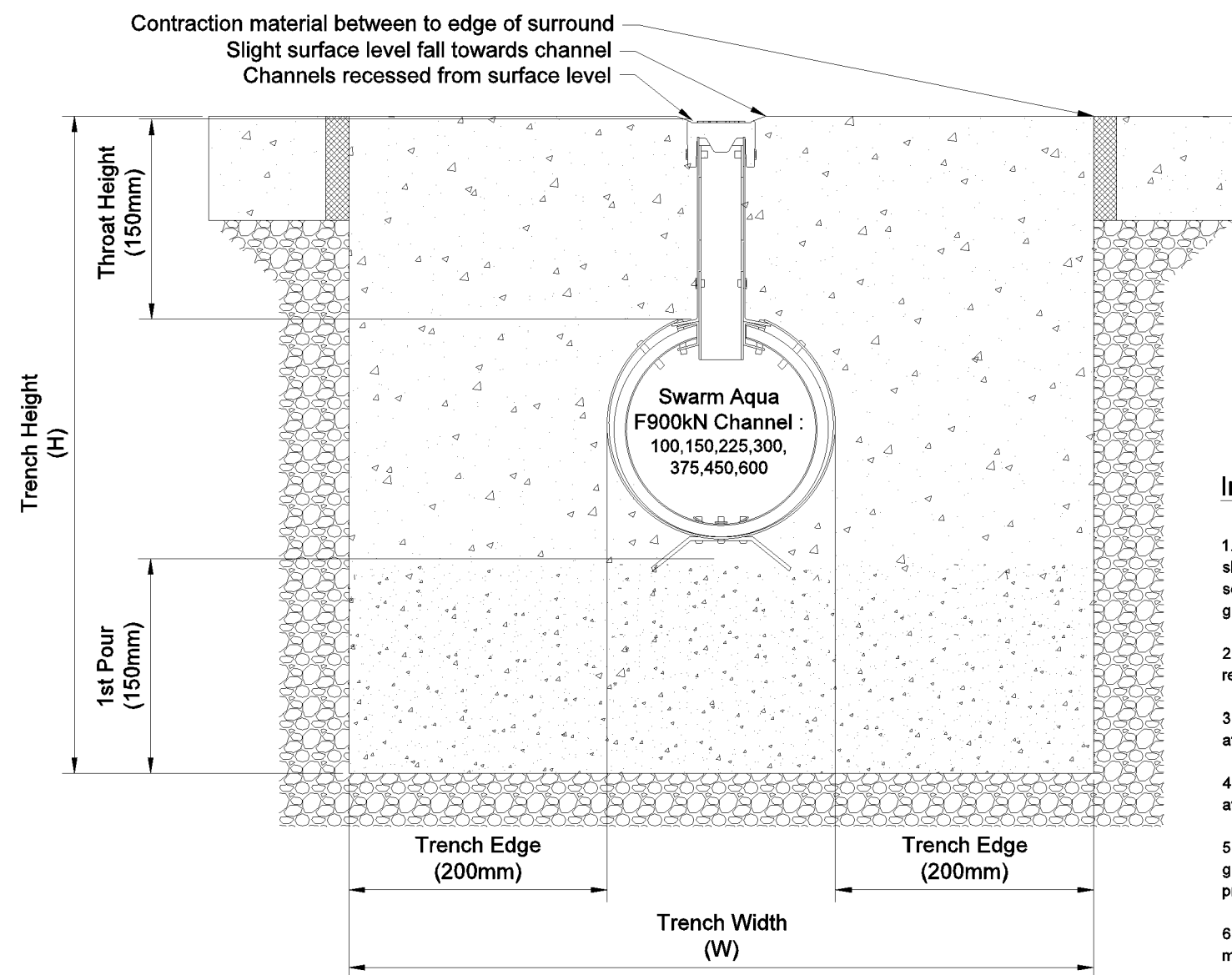


Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Risks that may not be immediately apparent are listed below.

Unknown services

Groundwater

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

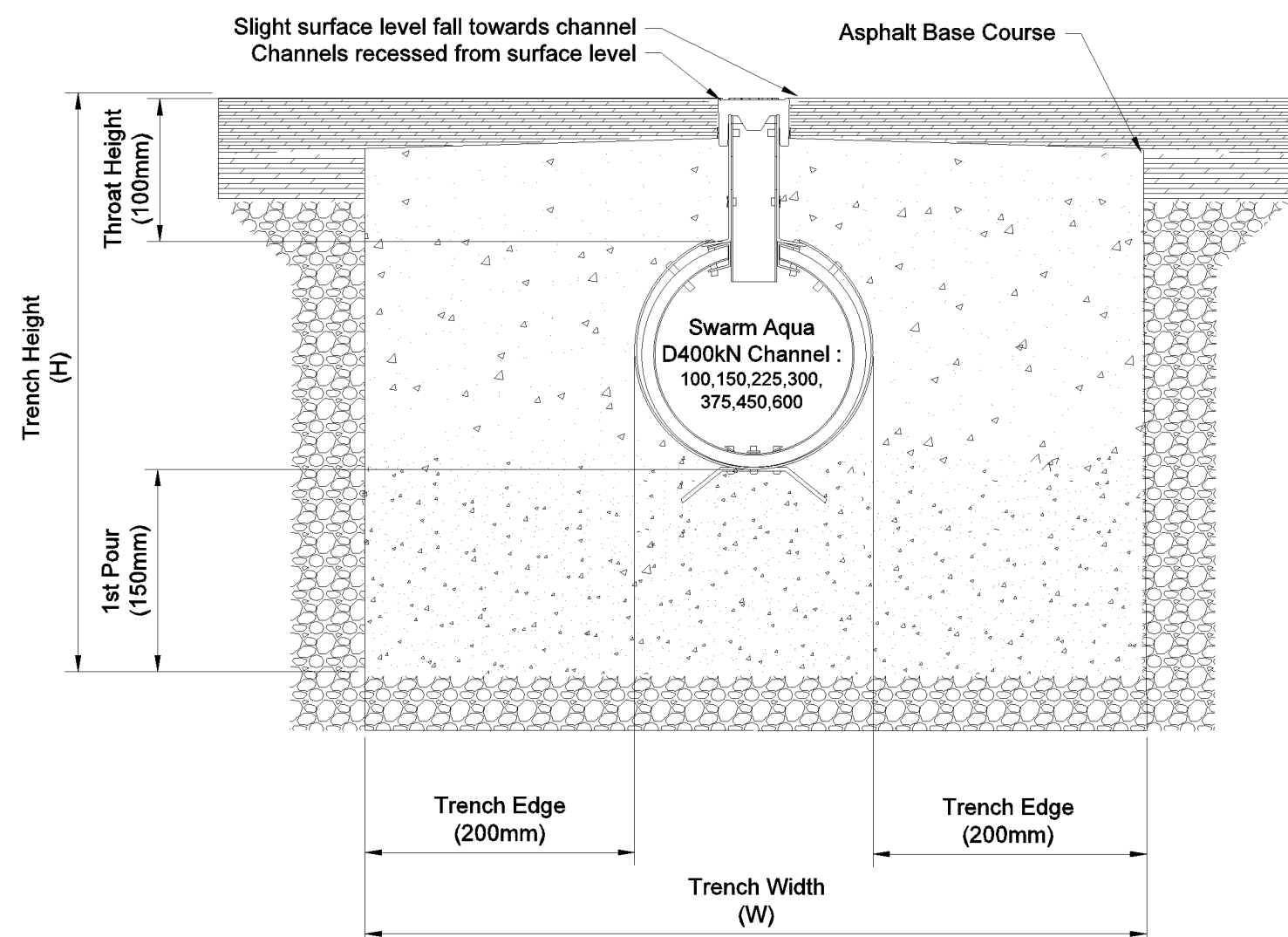


Important Notes:

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.

Product Information								Trench Information	
Code	Description	Loading	Length	Width	Height	Invert	Opening	Width (W)	Height (H)
SA100F	100mm Swarm Aqua	F900	2.0m	112mm	282mm	262mm	14490mm2	512mm	412mm
SA150F	150mm Swarm Aqua	F900	2.0m	178mm	346mm	328mm	14490mm2	578mm	478mm
SA225F	225mm Swarm Aqua	F900	2.0m	265mm	435mm	415mm	14490mm2	665mm	565mm
SA300F	300mm Swarm Aqua	F900	2.0m	354mm	524mm	504mm	14490mm2	754mm	654mm
SA375F	375mm Swarm Aqua	F900	2.0m	426mm	596mm	576mm	14490mm2	826mm	726mm
SA450F	450mm Swarm Aqua	F900	2.0m	512mm	682mm	662mm	14490mm2	912mm	812mm
SA600F	600mm Swarm Aqua	F900	2.0m	680mm	850mm	830mm	14490mm2	1080mm	980mm

SWARM AQUA CAST F900kN Concrete Installation Details

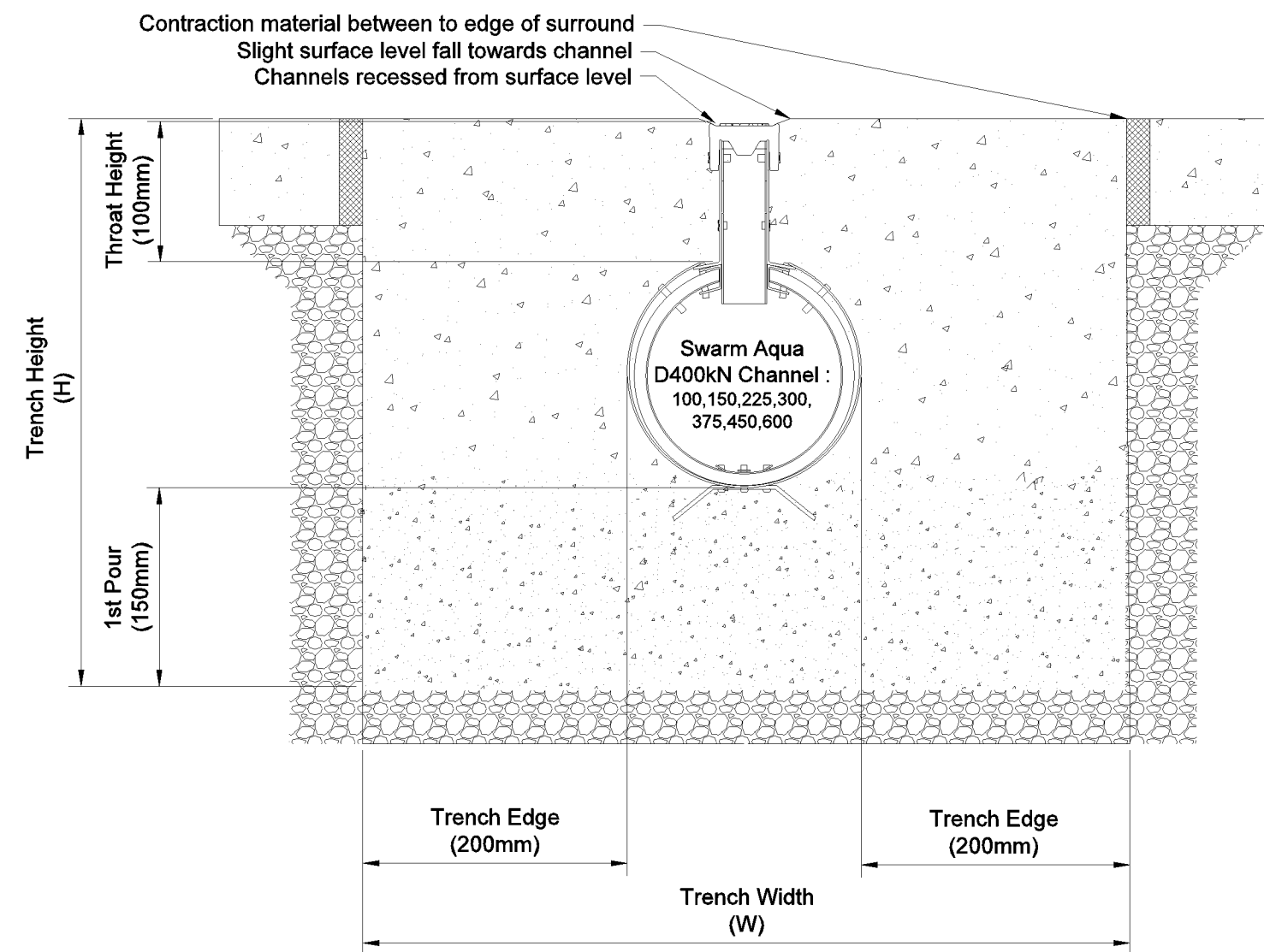


Important Notes:

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 D400 to EN1433. This may be subject to concrete reinforcement.

Product Information								Trench Information	
Code	Description	Loading	Length	Width	Height	Invert	Opening	Width (W)	Height (H)
SA100D	100mm Swarm Aqua	D400	2.0m	112mm	232mm	212mm	14490mm2	512mm	362mm
SA150D	150mm Swarm Aqua	D400	2.0m	178mm	298mm	278mm	14490mm2	578mm	428mm
SA225D	225mm Swarm Aqua	D400	2.0m	265mm	385mm	365mm	14490mm2	665mm	515mm
SA300D	300mm Swarm Aqua	D400	2.0m	354mm	474mm	454mm	14490mm2	754mm	604mm
SA375D	375mm Swarm Aqua	D400	2.0m	426mm	546mm	526mm	14490mm2	826mm	676mm
SA450D	450mm Swarm Aqua	D400	2.0m	512mm	632mm	612mm	14490mm2	912mm	762mm
SA600D	600mm Swarm Aqua	D400	2.0m	680mm	800mm	780mm	14490mm2	1080mm	930mm

SWARM AQUA CAST D400kN Asphalt Installation Details

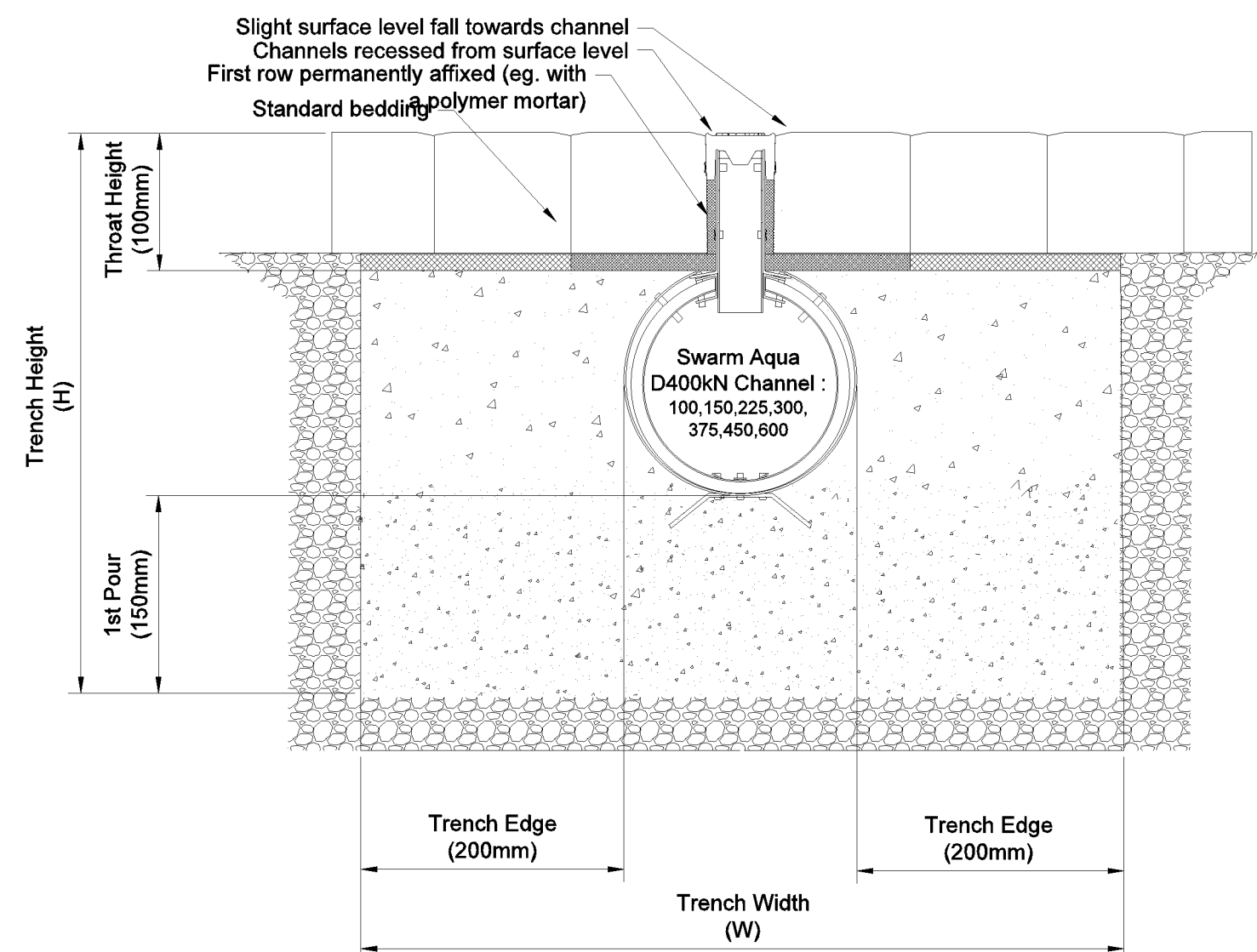


Important Notes:

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 D400 to EN1433. This may be subject to concrete reinforcement.

Product Information								Trench Information	
Code	Description	Loading	Length	Width	Height	Invert	Opening	Width (W)	Height (H)
SA100D	100mm Swarm Aqua	D400	2.0m	112mm	232mm	212mm	14490mm2	512mm	362mm
SA150D	150mm Swarm Aqua	D400	2.0m	178mm	298mm	278mm	14490mm2	578mm	428mm
SA225D	225mm Swarm Aqua	D400	2.0m	265mm	385mm	365mm	14490mm2	665mm	515mm
SA300D	300mm Swarm Aqua	D400	2.0m	354mm	474mm	454mm	14490mm2	754mm	604mm
SA375D	375mm Swarm Aqua	D400	2.0m	426mm	546mm	526mm	14490mm2	826mm	676mm
SA450D	450mm Swarm Aqua	D400	2.0m	512mm	632mm	612mm	14490mm2	912mm	762mm
SA600D	600mm Swarm Aqua	D400	2.0m	680mm	800mm	780mm	14490mm2	1080mm	930mm

SWARM AQUA CAST D400kN Concrete Installation Details



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 D400 to EN1433. This may be subject to concrete reinforcement.

Product Information								Trench Information	
Code	Description	Loading	Length	Width	Height	Invert	Opening	Width (W)	Height (H)
SA100D	100mm Swarm Aqua	D400	2.0m	112mm	232mm	212mm	14490mm2	512mm	362mm
SA150D	150mm Swarm Aqua	D400	2.0m	178mm	298mm	278mm	14490mm2	578mm	428mm
SA225D	225mm Swarm Aqua	D400	2.0m	265mm	385mm	365mm	14490mm2	665mm	515mm
SA300D	300mm Swarm Aqua	D400	2.0m	354mm	474mm	454mm	14490mm2	754mm	604mm
SA375D	375mm Swarm Aqua	D400	2.0m	426mm	546mm	526mm	14490mm2	826mm	676mm
SA450D	450mm Swarm Aqua	D400	2.0m	512mm	632mm	612mm	14490mm2	912mm	762mm
SA600D	600mm Swarm Aqua	D400	2.0m	680mm	800mm	780mm	14490mm2	1080mm	930mm

SWARM AQUA CAST D400kN Paving Installation Details

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 PRODUCTS
ARE SHOWN - SIMILAR
PRODUCTS CAN BE USED
FROM OTHER
MANUFACTURERS

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



ROLTON GROUP
ENGINEERING THE FUTURE™

www.rolton.com

01933 410909

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

Drawing Title:
Proposed Drainage
Construction Details
Sheet 2

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

Drawing Number:
230466-RGL-ZZ-XX-DR-D-140-0002
Project-Originator-Zone-Level-Type-Role-Classification-Number
Issue Purpose:
TENDER
Status:
D2-P01
Suitability-Revision