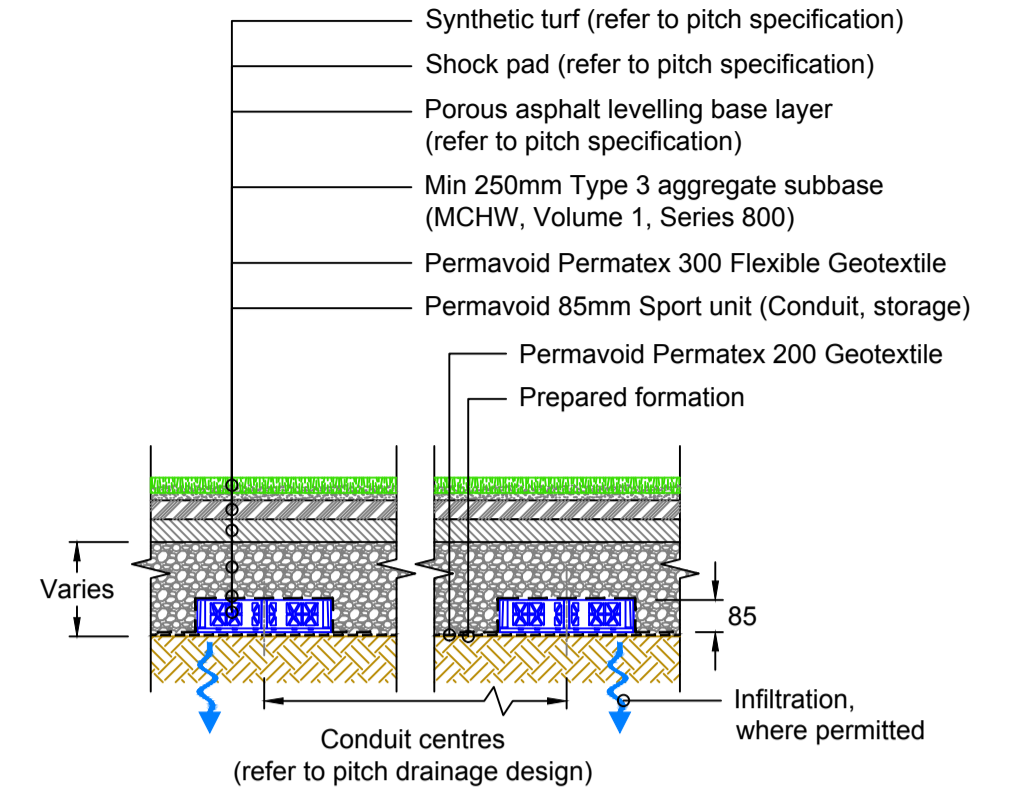
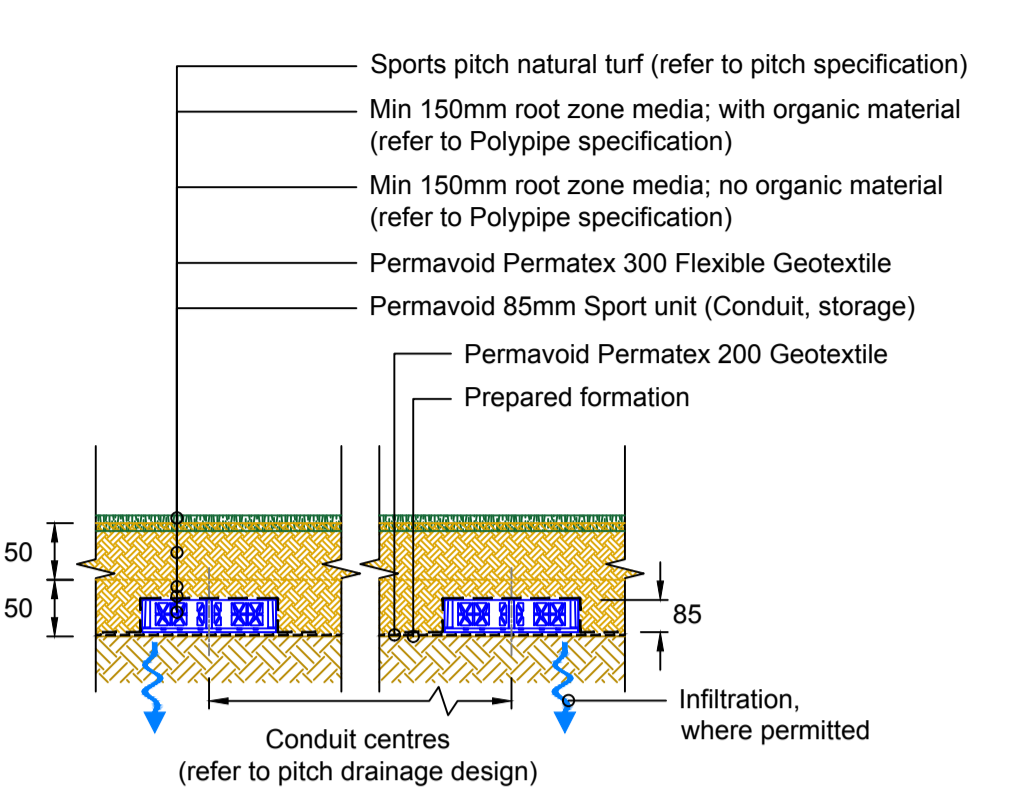


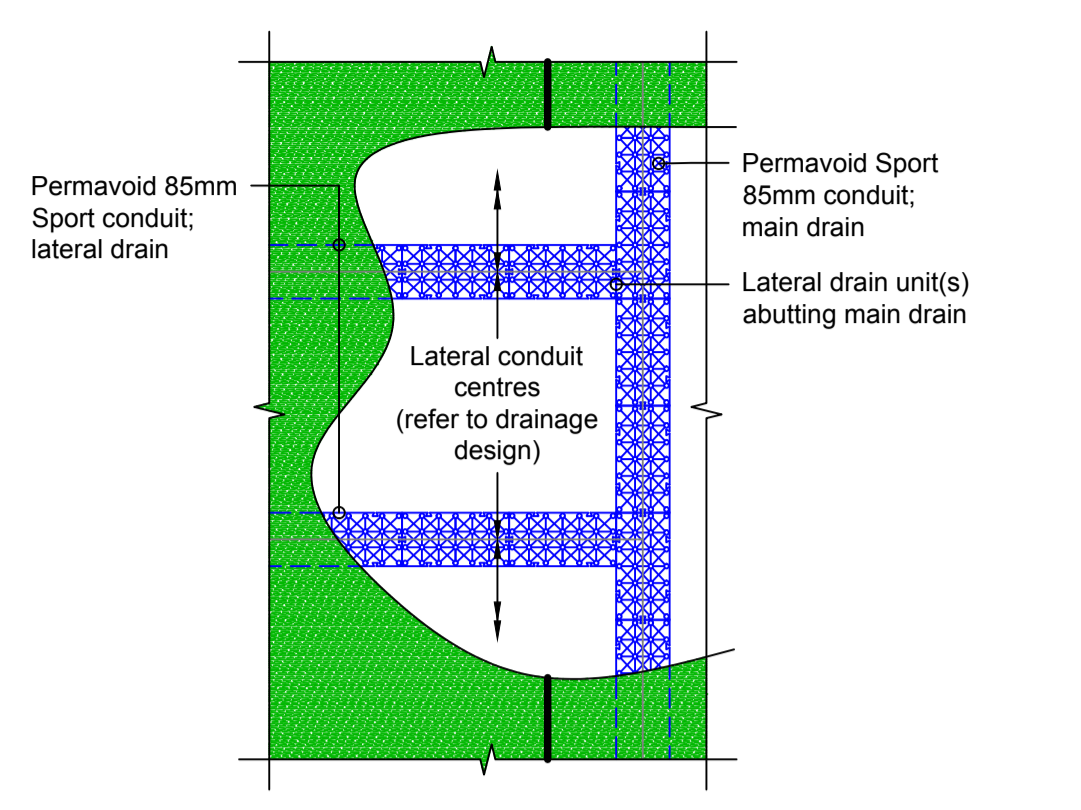
**PERMAVOID 85mm SPORT CONDUITS (354mm WIDE) POROUS ASPHALT SURFACING SURFACE WATER INFILTRATION**  
Scale 1:20



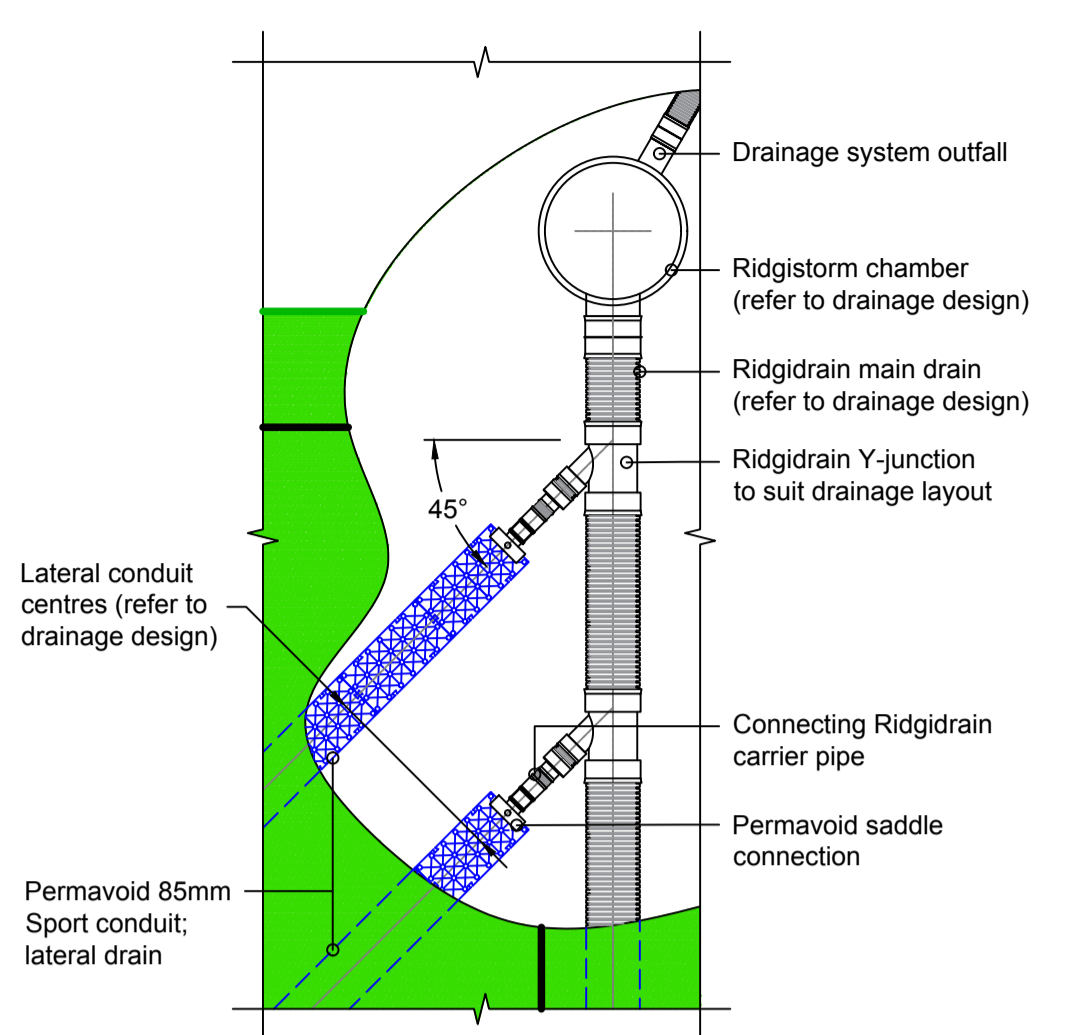
**PERMAVOID 85mm SPORT CONDUITS (354mm WIDE) SYNTHETIC TURF SURFACING SURFACE WATER INFILTRATION**  
Scale 1:20



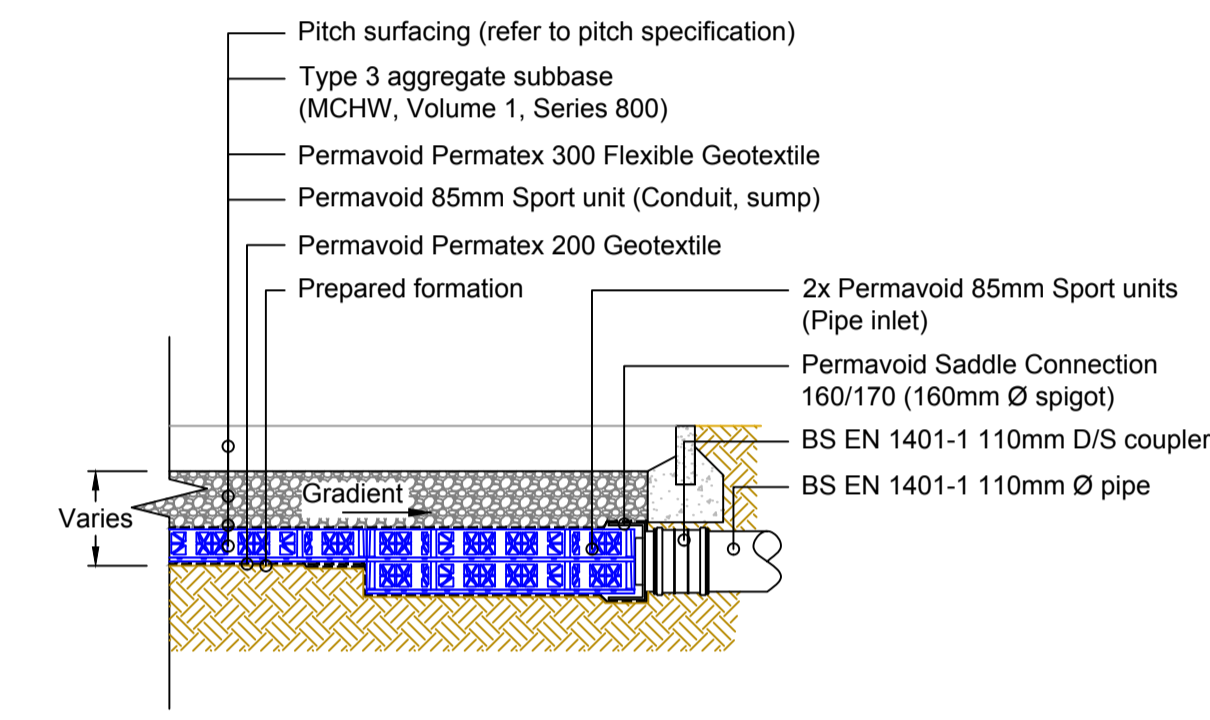
**PERMAVOID 85mm SPORT CONDUITS (354mm WIDE) NATURAL TURF SURFACING SURFACE WATER INFILTRATION**  
Scale 1:20



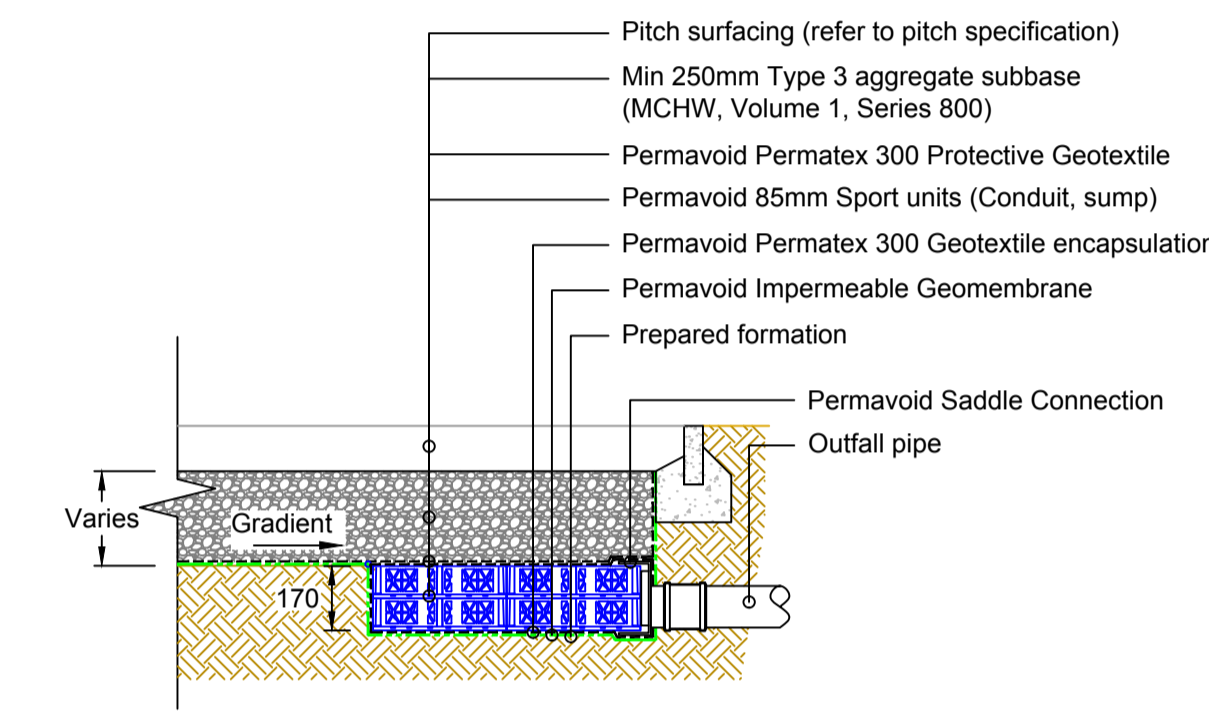
**PERMAVOID 85mm SPORT CONDUIT LATERAL OUTFALL TO PERMAVOID MAIN DRAIN OPTION - ABUTTING CONNECTION**  
Scale 1:50



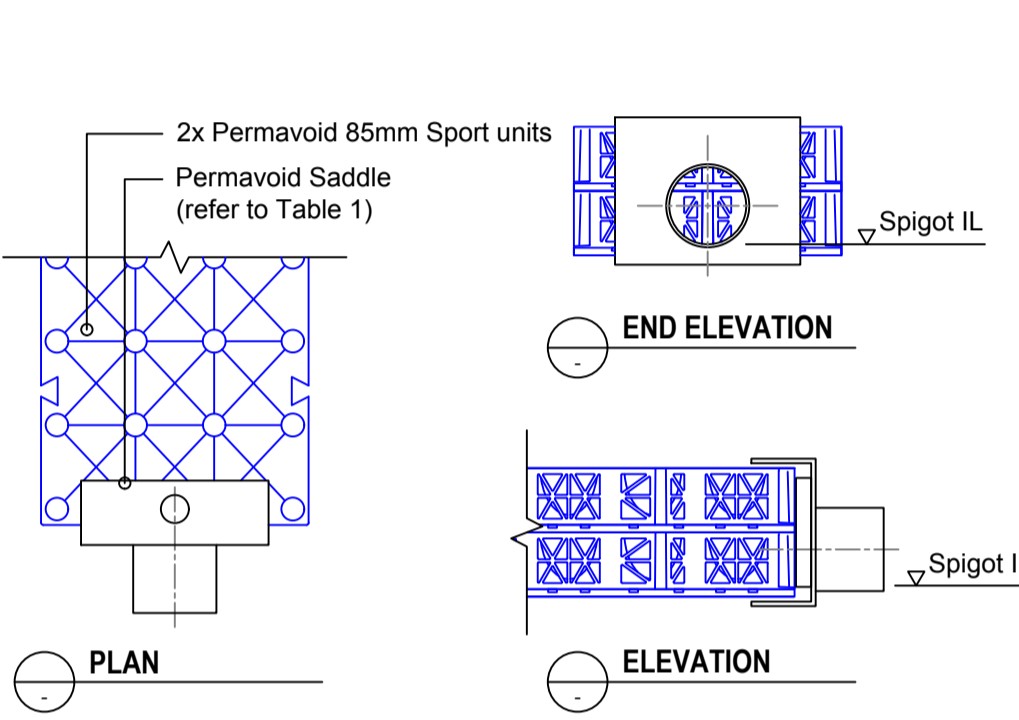
**PERMAVOID 85mm SPORT CONDUIT LATERAL OUTFALL TO RIDGIDRAIN MAIN DRAIN OPTION - ABUTTING CONNECTION**  
Scale 1:50



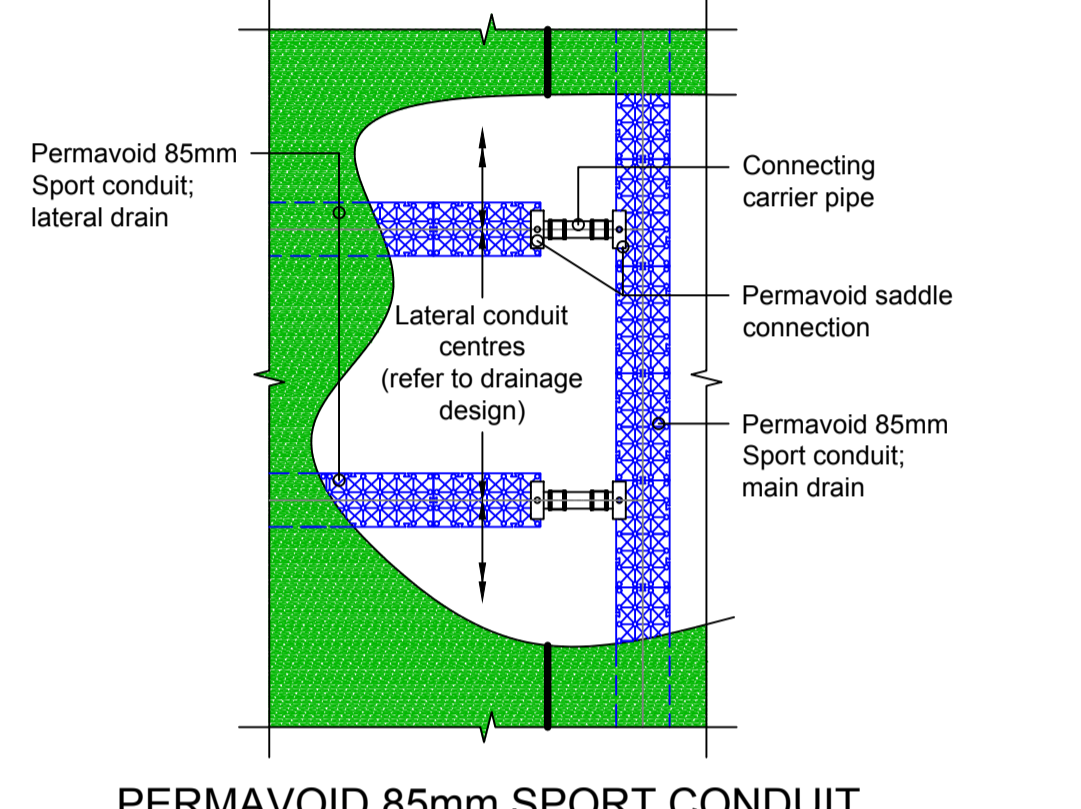
**PERMAVOID SPORT LATERAL CONDUIT PIPE OUTFALL**  
Scale 1:20



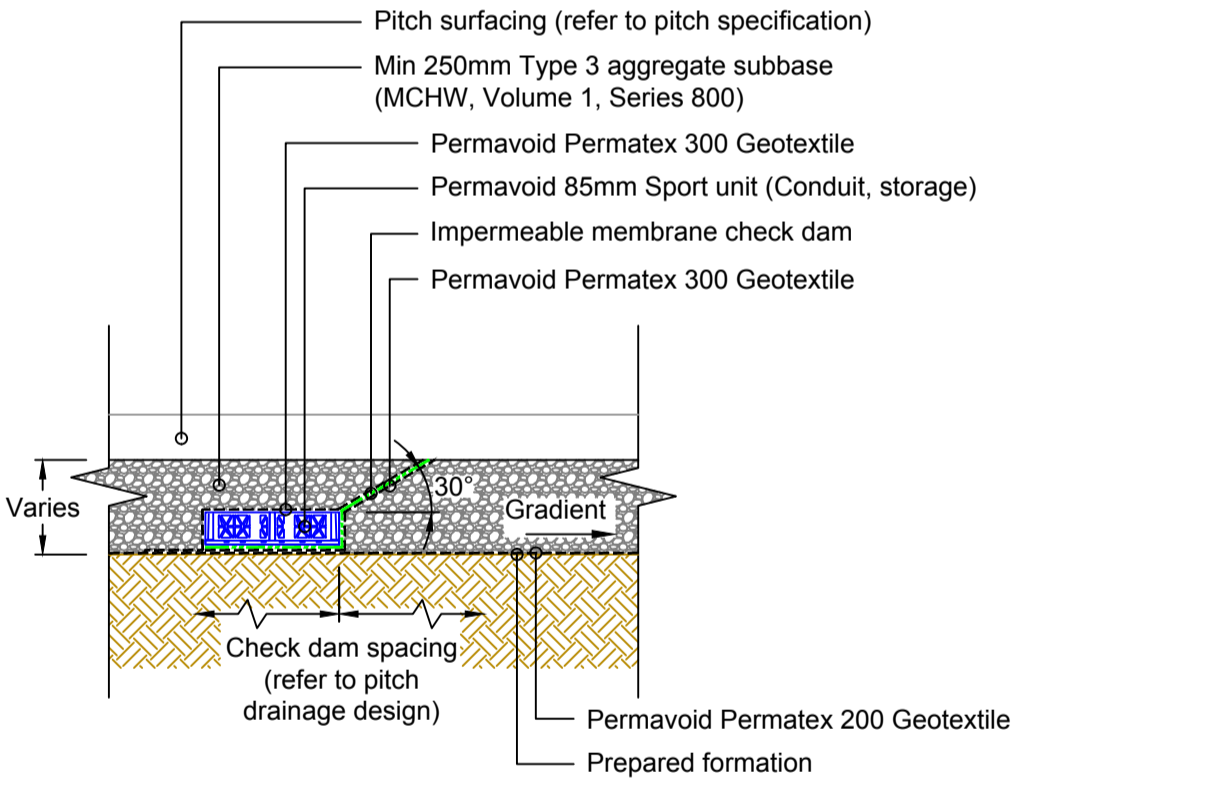
**PERMAVOID SPORT PERIMETER COLLECTOR DRAIN WITH PIPE OUTFALL**  
Scale 1:20



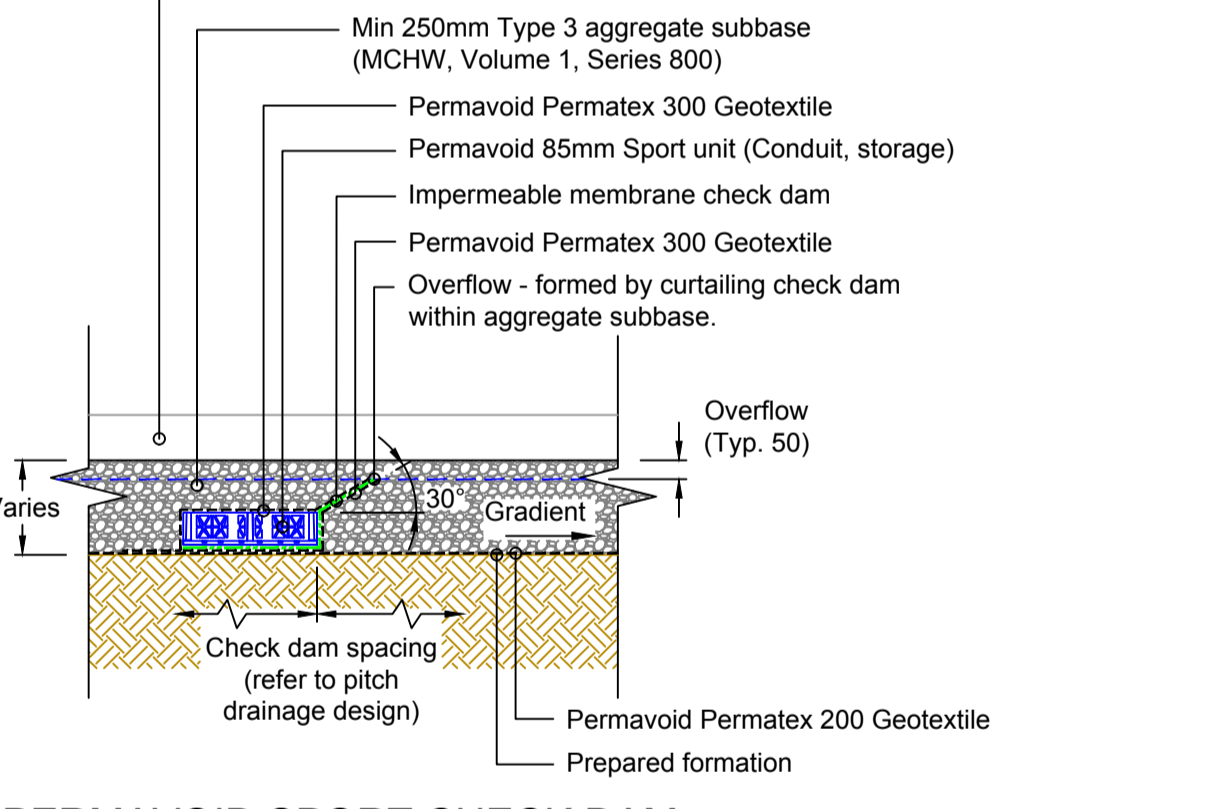
**PERMAVOID 85mm SPORT CONDUIT SADDLE CONNECTION**  
Scale 1:10



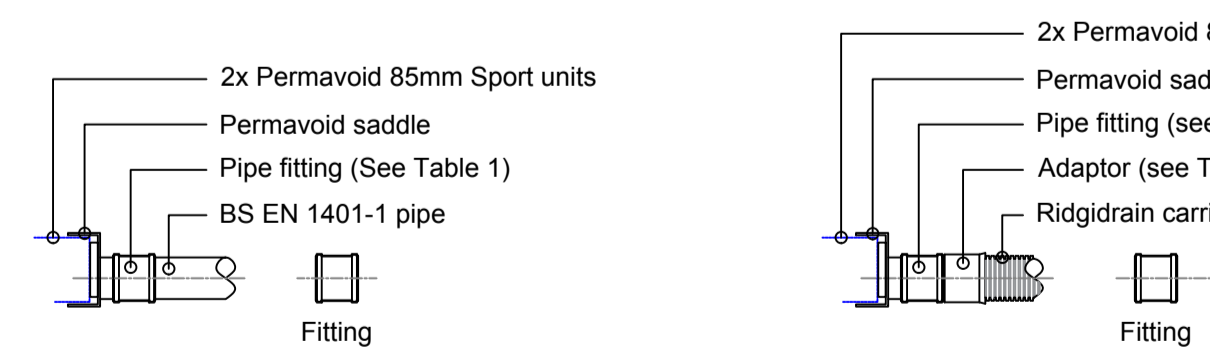
**PERMAVOID 85mm SPORT CONDUIT LATERAL OUTFALL TO PERMAVOID MAIN DRAIN OPTION - PIPE CONNECTION**  
Scale 1:50



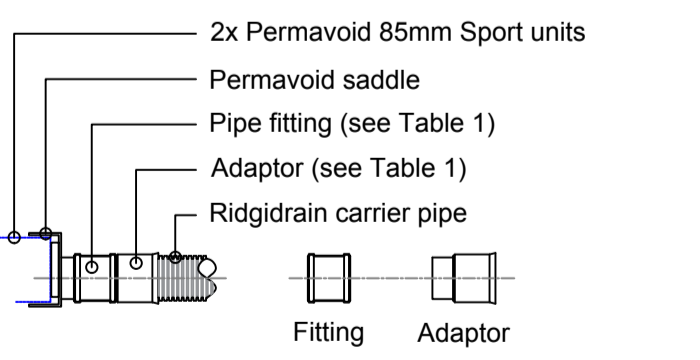
**PERMAVOID SPORT CHECK DAM**  
Scale 1:20



**PERMAVOID SPORT CHECK DAM WITH OVERFLOW**  
Scale 1:20



**PERMAVOID 85mm SPORT UNIT SADDLE CONNECTION BS EN 1401-1 PIPE**  
Scale 1:20

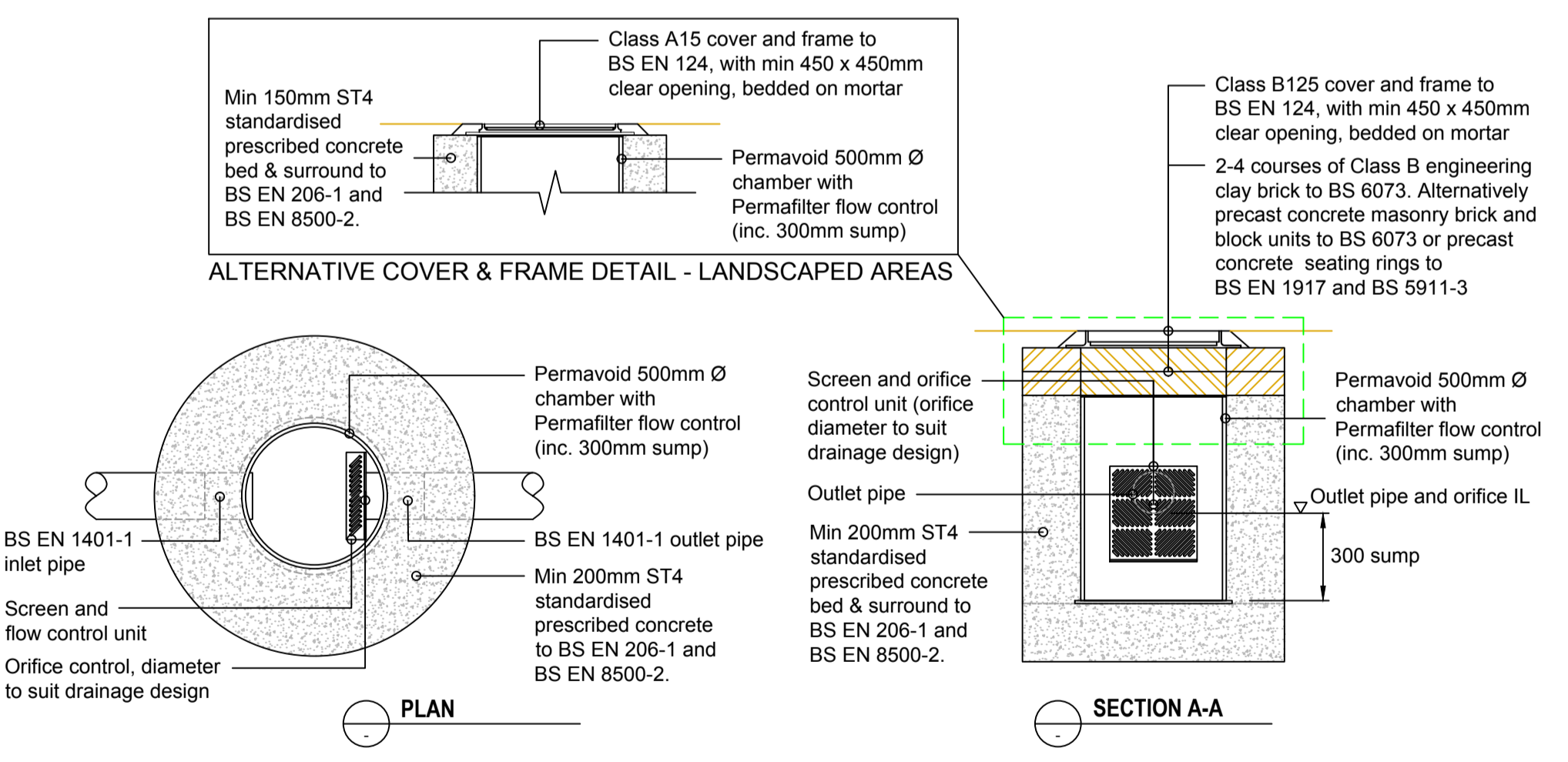


**PERMAVOID 85mm SPORT UNIT SADDLE CONNECTION RIDGIDRAIN PIPE**  
Scale 1:20

**Table 1) Permavoid Unit Saddle Connection and Adaptor Options**

Permavoid Saddle		Fitting		Adaptor		Outfall Pipe
Description	Product Code	Description	Product Code	Description	Product Code	
170/110 (110mm Ø spigot)	PV06531	110mm BS EN 1401-1 D/S coupler	UD401	N/A	N/A	110mm Ø BS EN 1401-1
170/160 (160mm Ø spigot)	PV06535	160mm BS EN 1401-1 D/S coupler	UD601	N/A	N/A	160mm Ø BS EN 1401-1
170/110 (110mm Ø spigot)	PV06531	110mm BS EN 1401-1 D/S coupler	UD401	100mm Ridgidrain socket to 110mm BS EN 1401-1 spigot	ARD100110	100mm Ø Ridgidrain
170/160 (160mm Ø spigot)	PV06535	160mm BS EN 1401-1 D/S coupler	UD601	150mm Ridgidrain socket to 160mm BS EN 1401-1 spigot	ARD150160	150mm Ø Ridgidrain

**Note**  
1) To be read in conjunction with detail A1 and A2



**PERMAVOID SPORT 500mm Ø PERMAFILTER FLOW CONTROL TYPICAL UNIT INSTALLATION**  
Scale 1:20

- NOTES**
- To be read in conjunction with architect's / engineer's / sports pitch consultant's specification.
  - Typical installation details shown. A site specific assessment of the proposed pitch construction should be undertaken by suitably qualified personnel, considering the underlying ground conditions and overall site drainage plan. Contact Polypipe Civils' technical office for further information.
  - All dimensions in millimetres, unless otherwise stated.
  - All dimensions are nominal and may vary within manufacturing or construction tolerances.
  - All site temporary and enabling works by others.
  - Polypipe products to be installed in accordance with Polypipe Civils recommendations, giving due consideration to the requirements of the approving organisation(s) and the ultimate owner of the installation.
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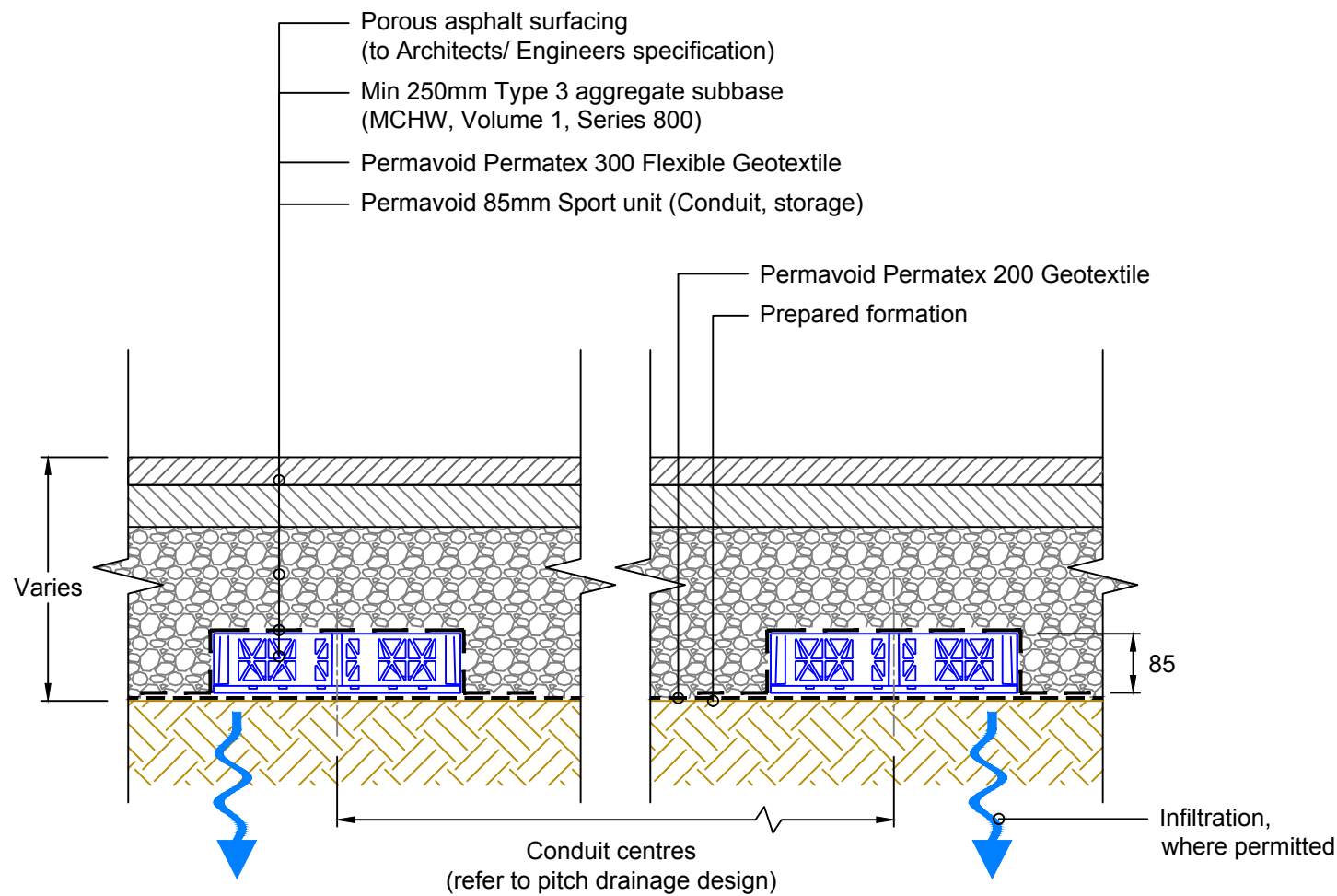
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www.polypipe.com/civils

**PROJECT** POLYPIPE PERMAVOID SPORTS SYSTEM  
**DRAWING TITLE** PERMAVOID 85mm SPORT CONDUIT TYPICAL CONSTRUCTION DETAILS

**STATUS** FOR INFORMATION  
SHEET NO. 1 of 1  
DRAWN BY SH  
SCALE NTS  
DATE 01/03/2019  
DRAWING NO. IG-PVS-SD-CONDUIT-001

REV	AMENDMENT	DATE



**TYPICAL SECTION**  
Scale 1:10

**NOTES**

1. To be read in conjunction with architect's / engineer's / sports pitch consultant's specification.
2. Typical installation details shown. A site specific assessment of the proposed pitch construction should be undertaken by suitably qualified personnel, considering the underlying ground conditions and overall site drainage plan. Contact Polypipe Civils' technical office for further information.
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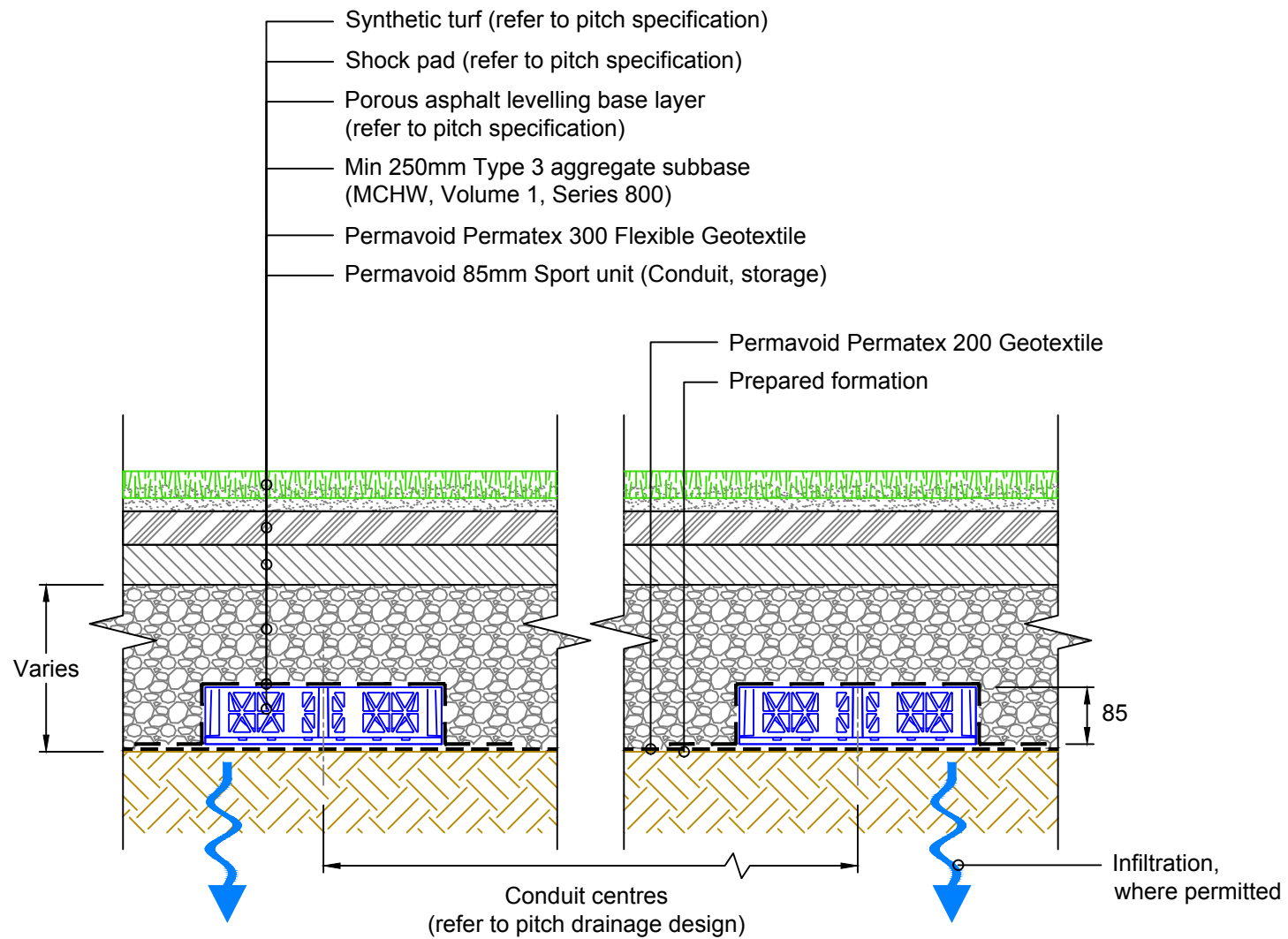
REV	AMENDMENT	DATE

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PROJECT	POLYPIPE PERMAVOID SPORTS SYSTEM TYPICAL CONSTRUCTION DETAIL	
DRAWING TITLE	PERMAVOID 85mm SPORT CONDUIT (354mm WIDE) POROUS ASPHALT SURFACE WITH INFILTRATION	

STATUS FOR INFORMATION		
SHEET SIZE A3	SHEET NO. 1 of 1	DRAWN BY SH
SCALE As Shown	DATE 01/03/2019	
DRAWING NO. IG-PVS-SD-I-85-C-PA		REV.



**TYPICAL SECTION**  
Scale 1:10

**NOTES**

- To be read in conjunction with architect's / engineer's / sports pitch consultant's specification.
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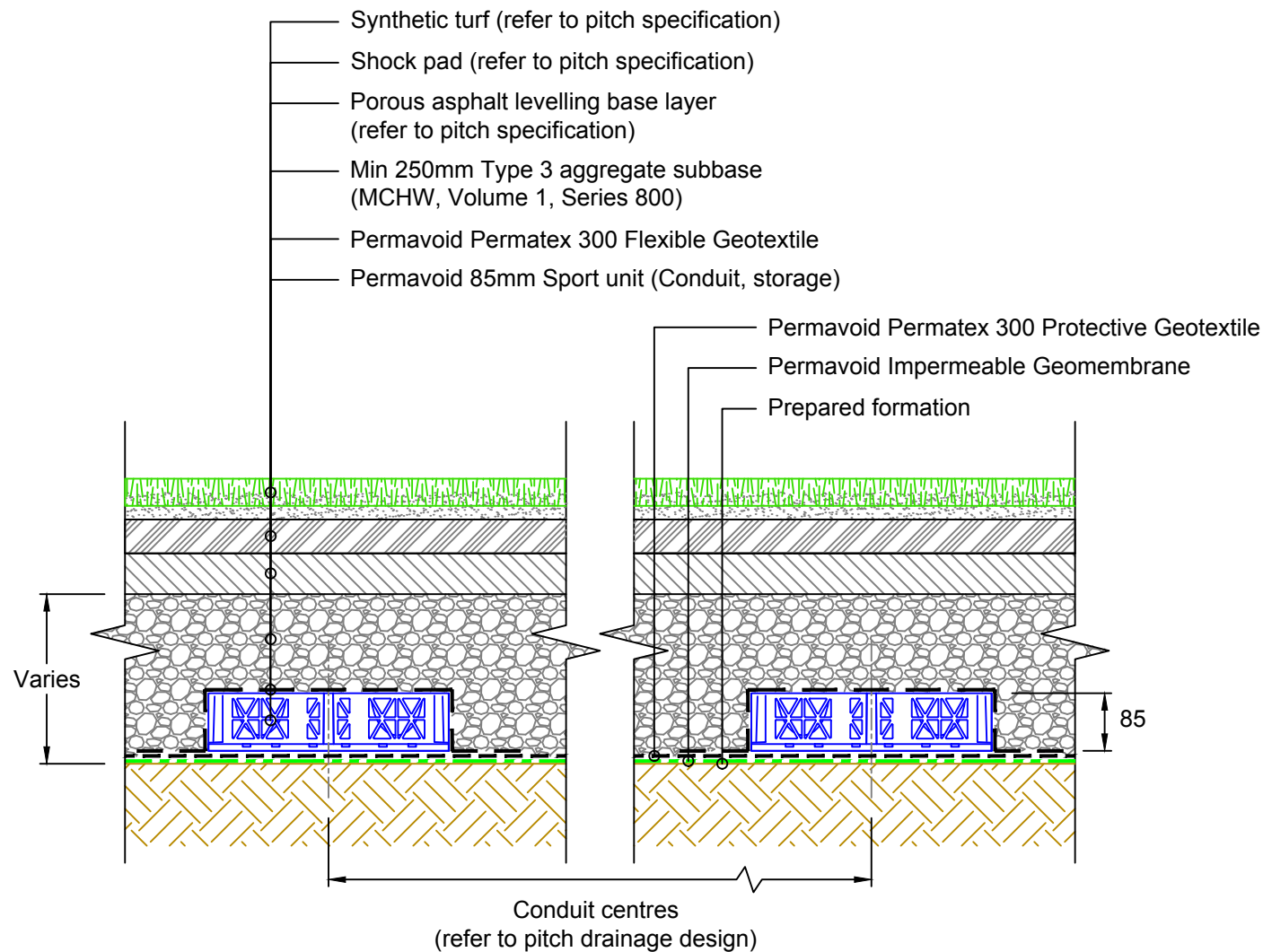
REV	AMENDMENT	DATE

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PROJECT	POLYPIPE PERMAVOID SPORTS SYSTEM TYPICAL CONSTRUCTION DETAIL	
DRAWING TITLE	PERMAVOID 85mm SPORT CONDUIT (354mm WIDE) SYNTHETIC TURF WITH INFILTRATION	

STATUS FOR INFORMATION		
SHEET SIZE A3	SHEET NO. 1 of 1	DRAWN BY SH
SCALE As Shown	DATE 01/03/2019	
DRAWING NO. IG-PVS-SD-I-85-C-ST		REV.



**TYPICAL SECTION**  
Scale 1:10

**NOTES**

1. To be read in conjunction with architect's / engineer's / sports pitch consultant's specification.
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4. All dimensions are nominal and may vary within manufacturing or construction tolerances.
5. All site temporary and enabling works by others.
6. Polypipe products to be installed in accordance with Polypipe Civils recommendations, giving due consideration to the requirements of the approving organisation(s) and the ultimate owner of the installation.
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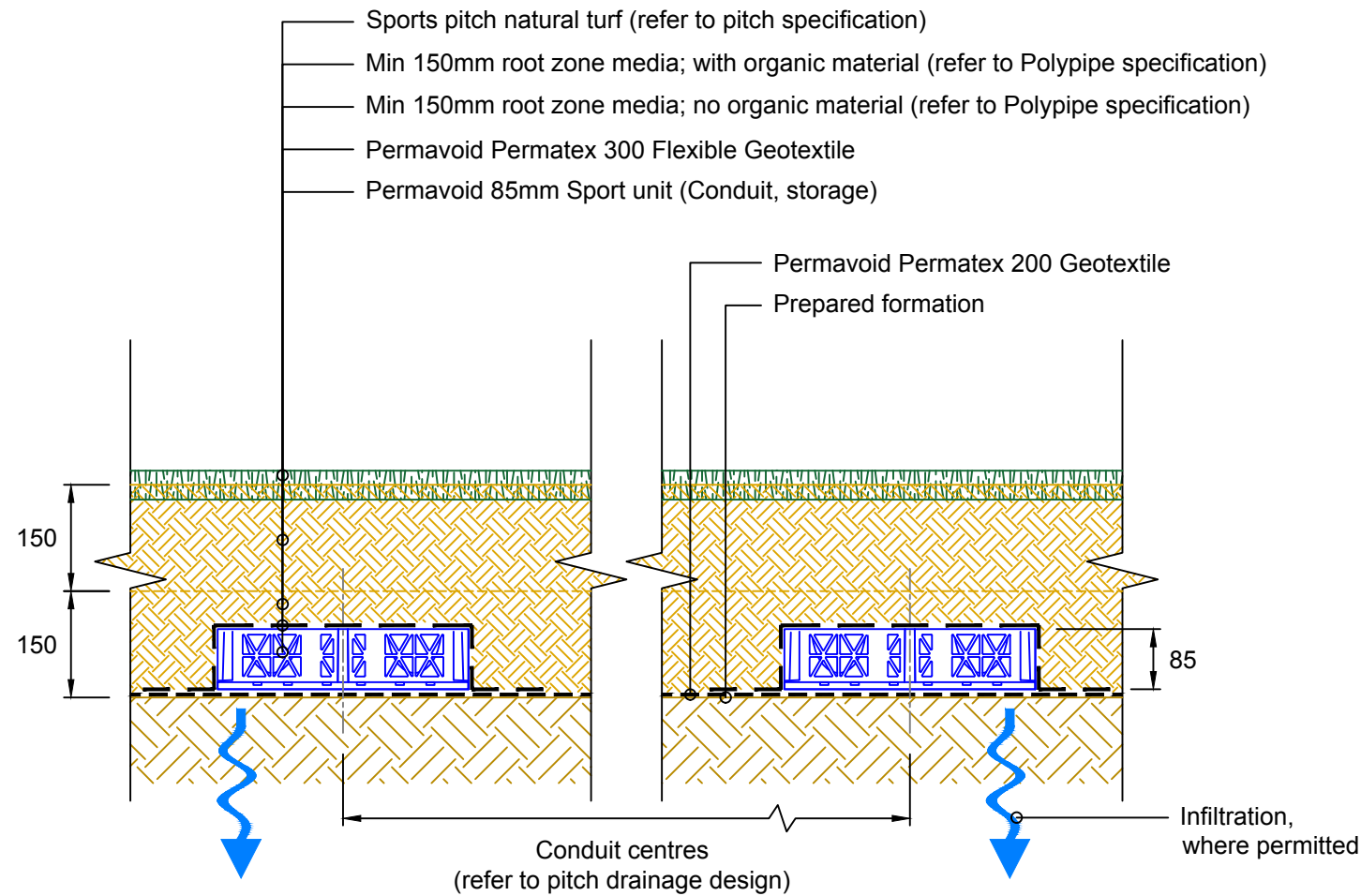
REV	AMENDMENT	DATE

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PROJECT	POLYPIPE PERMAVOID SPORTS SYSTEM TYPICAL CONSTRUCTION DETAIL	
DRAWING TITLE	PERMAVOID 85mm SPORT CONDUIT (354mm WIDE) SYNTHETIC TURF WITH ATTENUATION STORAGE	

STATUS FOR INFORMATION		
SHEET SIZE A3	SHEET NO. 1 of 1	DRAWN BY SH
SCALE As Shown	DATE 01/03/2019	
DRAWING NO. IG-PVS-SD-A-85-C-ST		REV.



**TYPICAL SECTION**  
Scale 1:10

**NOTES**

- To be read in conjunction with architect's / engineer's / sports pitch consultant's specification.
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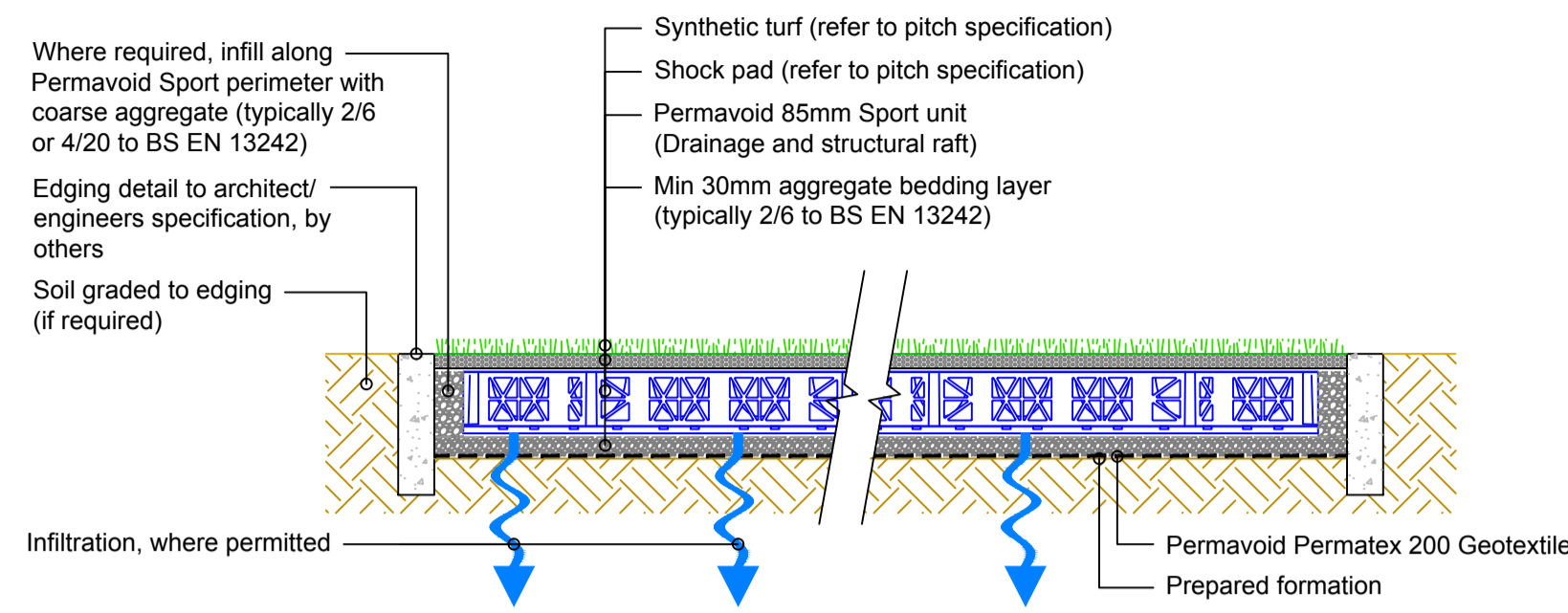
REV	AMENDMENT	DATE

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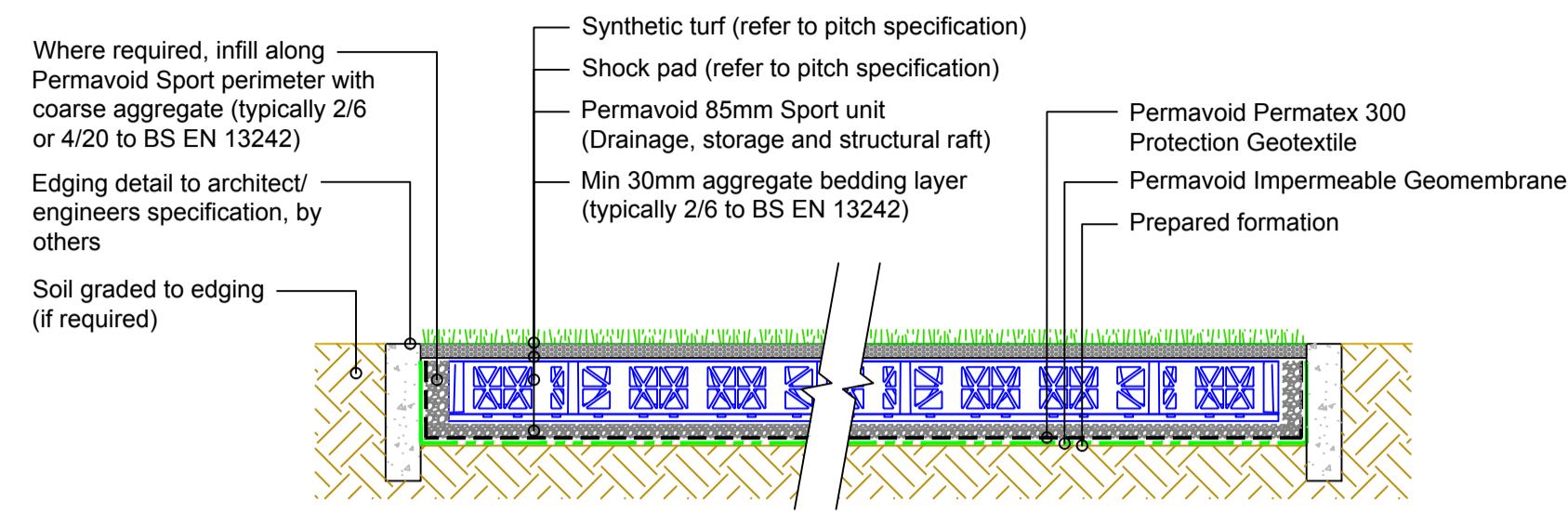
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PROJECT	POLYPIPE PERMAVOID SPORTS SYSTEM TYPICAL CONSTRUCTION DETAIL	
DRAWING TITLE	PERMAVOID 85mm SPORT CONDUIT (354mm WIDE) NATURAL TURF WITH INFILTRATION	

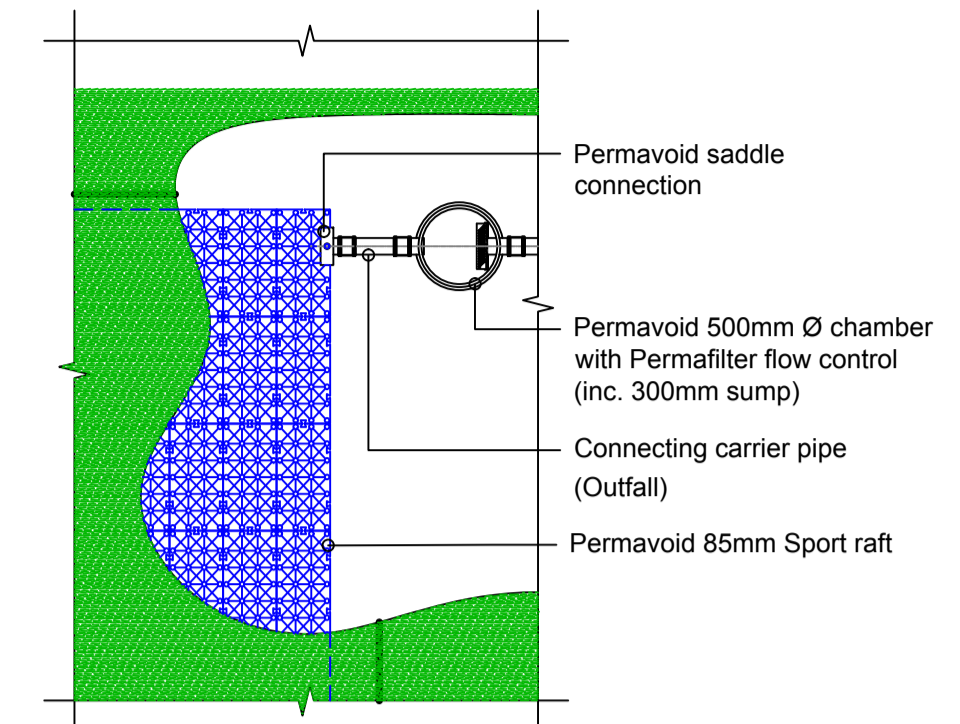
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SHEET SIZE A3	SHEET NO. 1 of 1	DRAWN BY SH
SCALE As Shown	DATE 01/03/2019	
DRAWING NO. IG-PVS-SD-I-85-C-NT		REV.



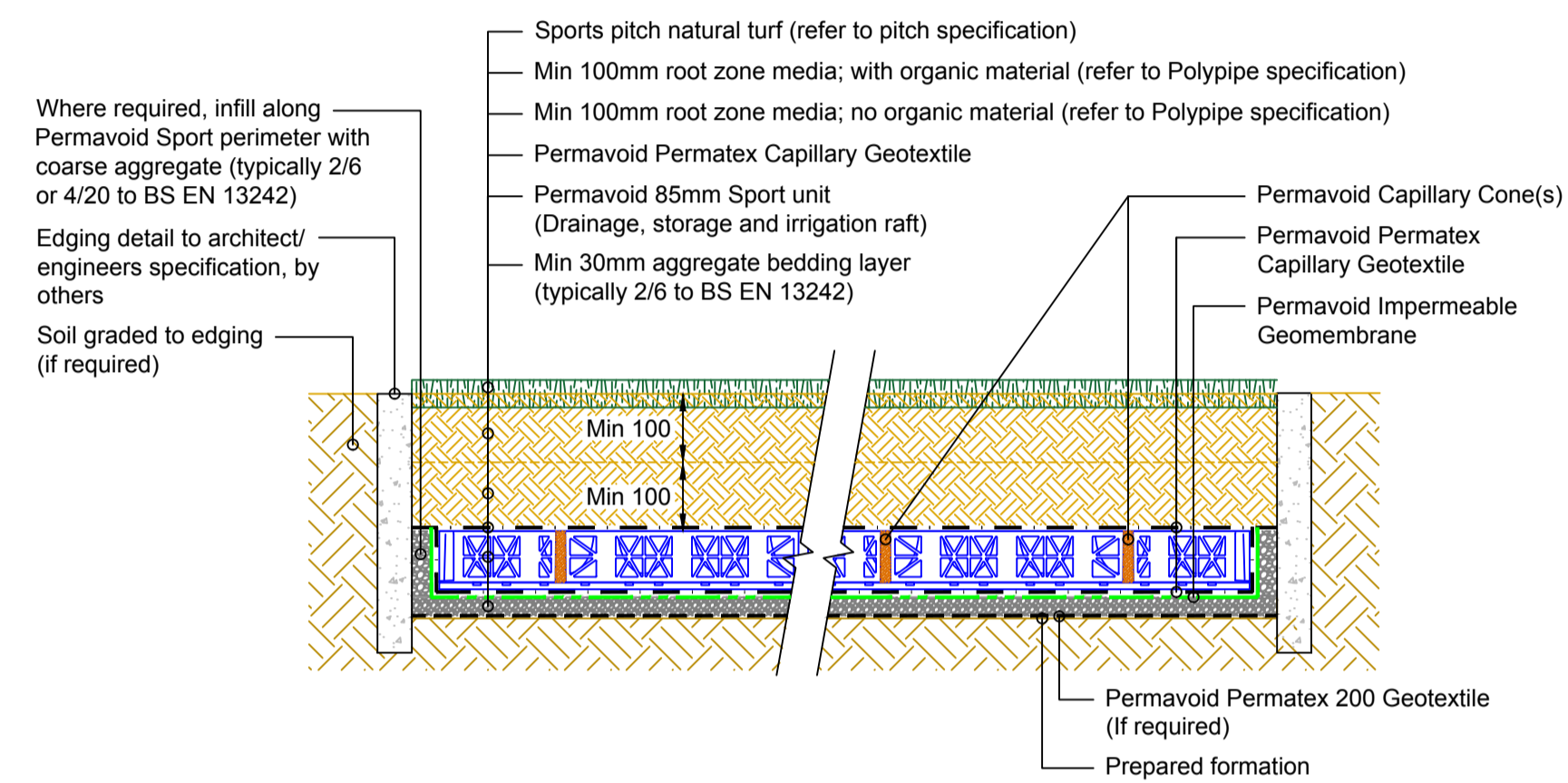
**1** PERMAVOID 85mm SPORT RAFT  
SYNTHETIC TURF SURFACING  
SURFACE WATER INFILTRATION  
Scale 1:10



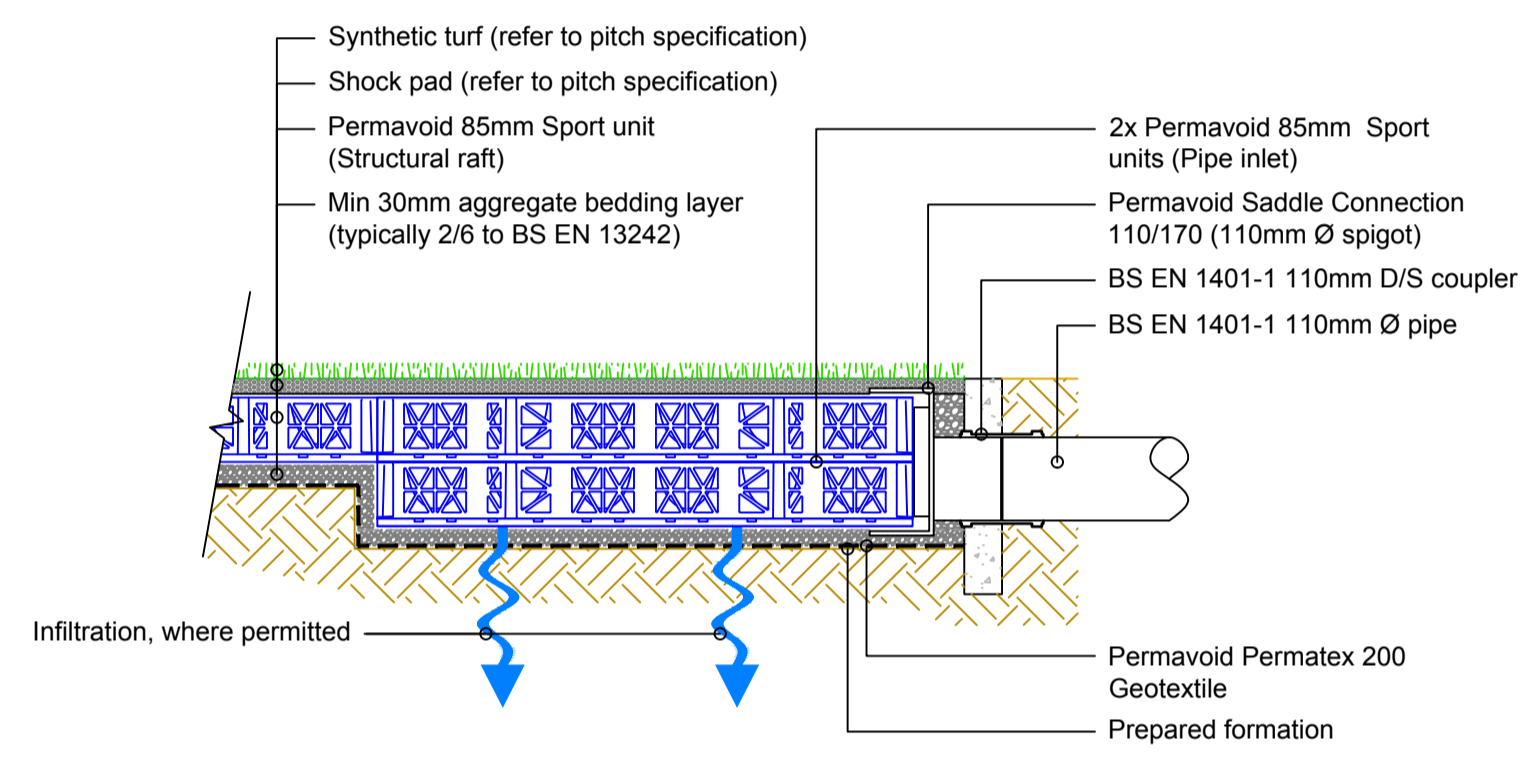
**2** PERMAVOID 85mm SPORT RAFT  
SYNTHETIC TURF SURFACING  
SURFACE WATER ATTENUATION  
Scale 1:10



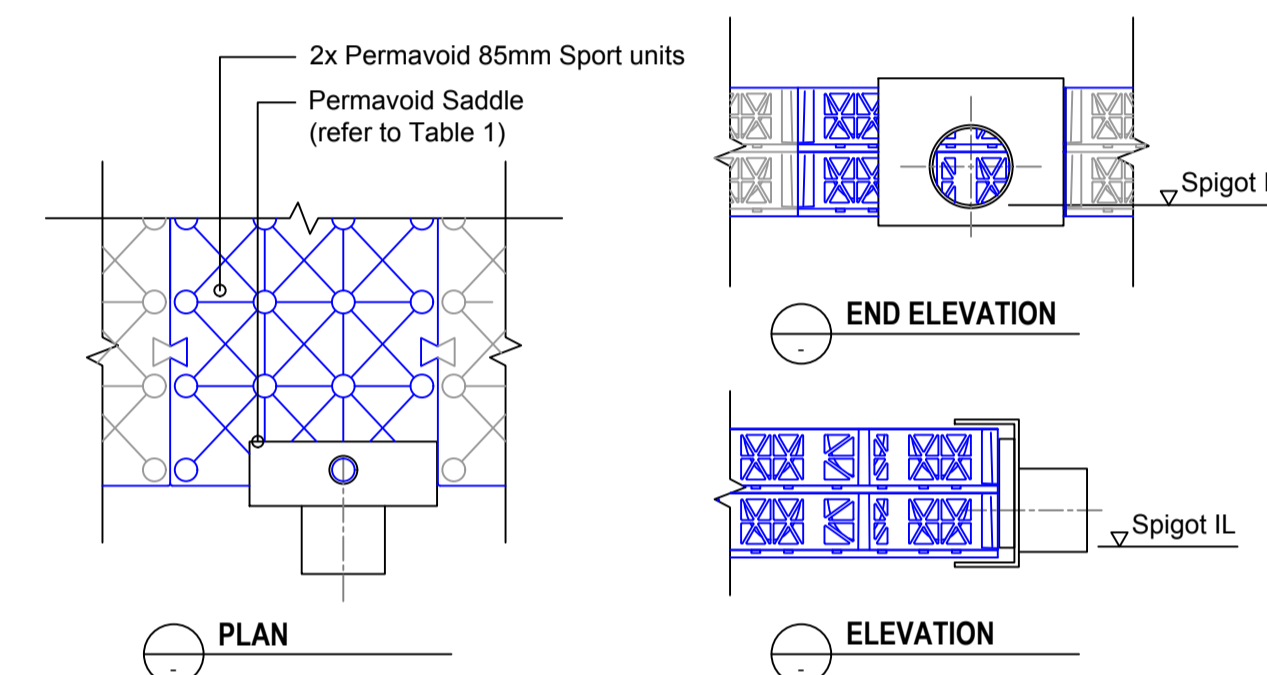
**GA1** PERMAVOID 85mm SPORT RAFT  
TYPICAL OUTFALL  
OPTION - PERMAVOID FLOW CONTROL CHAMBER  
Scale 1:50



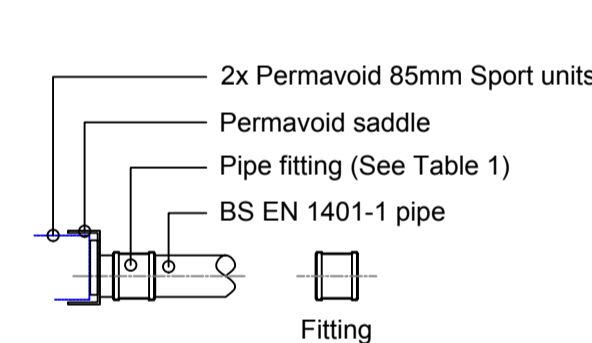
**3** PERMAVOID 85mm SPORT RAFT  
NATURAL TURF SURFACING  
PASSIVE IRRIGATION  
Scale 1:10



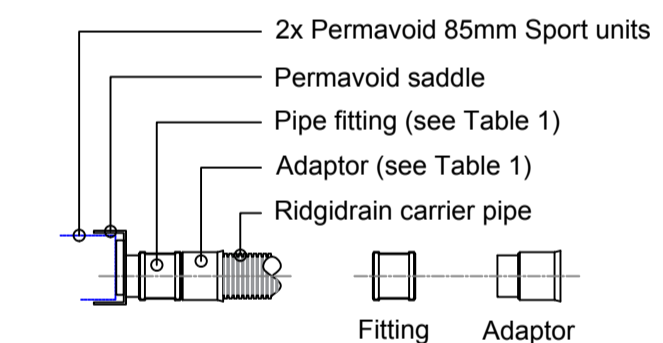
**4** PERMAVOID 85mm SPORT RAFT WITH INLET/ OUTLET SADDLE  
SYNTHETIC TURF SURFACING  
SURFACE WATER INFILTRATION  
Scale 1:10



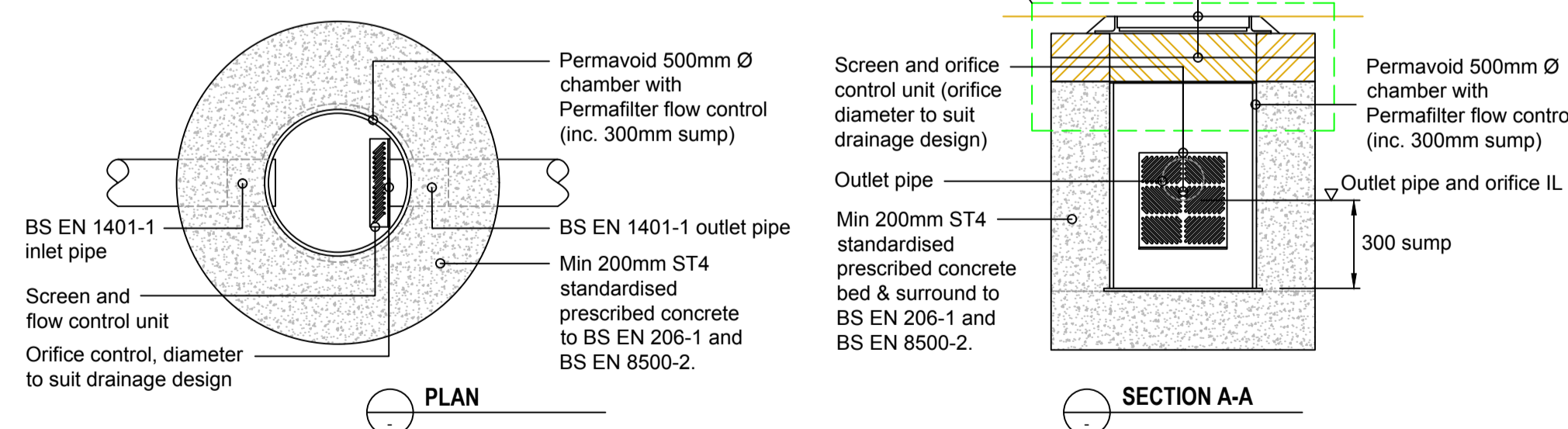
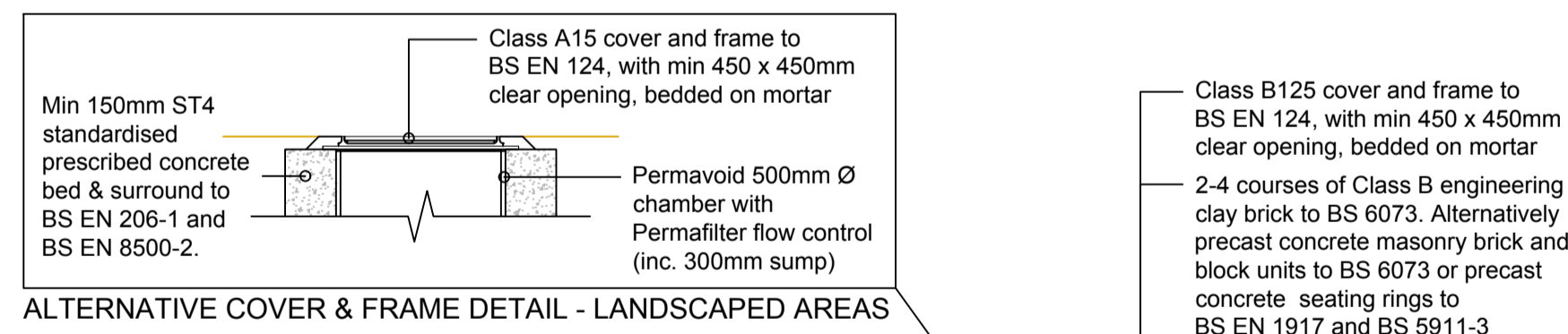
**S1** PERMAVOID 85mm SPORT RAFT  
110mm Ø SADDLE CONNECTION  
Scale 1:10



**A1** PERMAVOID 85mm SPORT UNIT  
SADDLE CONNECTION  
BS EN 1401-1 PIPE  
Scale 1:20



**A2** PERMAVOID 85mm SPORT UNIT  
SADDLE CONNECTION  
RIDGIDRAIN PIPE  
Scale 1:20



**C1** PERMAVOID SPORT  
500mm Ø PERMAFILTER FLOW CONTROL  
TYPICAL UNIT INSTALLATION  
Scale 1:20

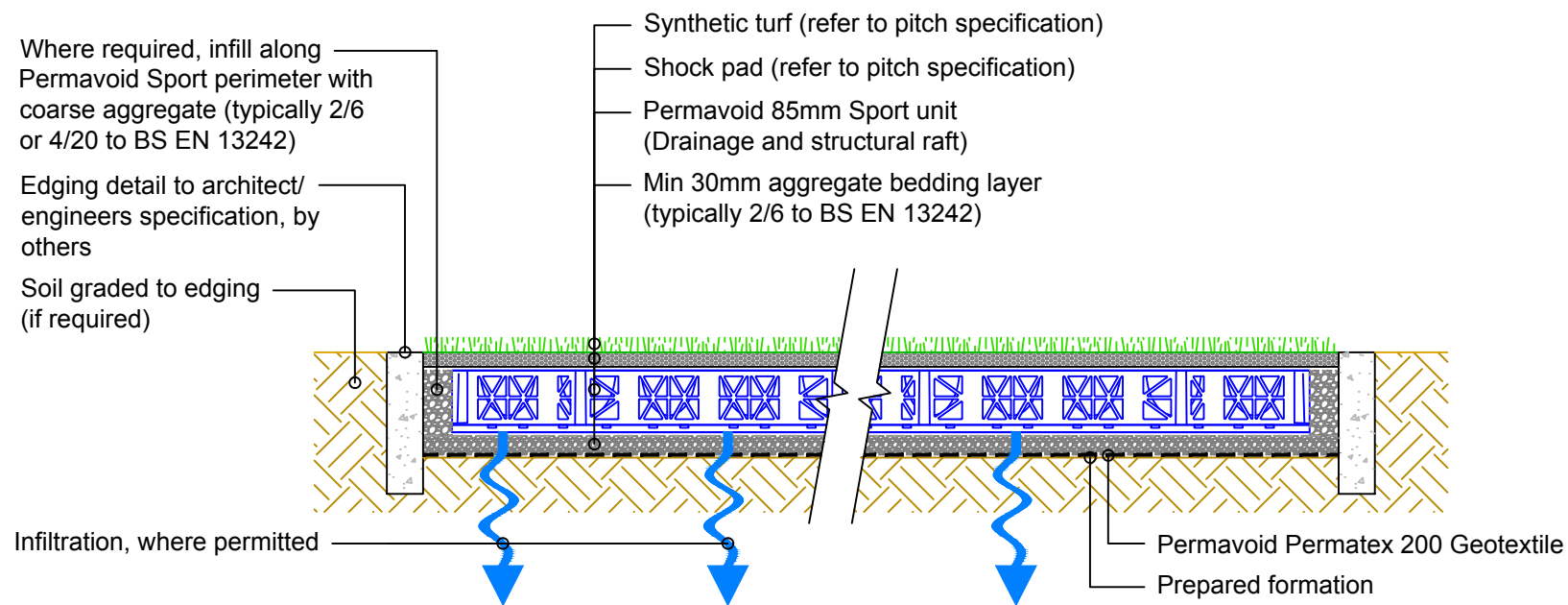
Table 1) Permavoid Unit Saddle Connection and Adaptor Options						
Description	Permavoid Saddle Product Code	Fitting		Adaptor		Outfall Pipe
		Description	Product Code	Description	Product Code	
170/110 (110mm Ø spigot)	PV06531	110mm BS EN 1401-1 D/S coupler	UD401	N/A		110mm Ø BS EN 1401-1
170/160 (160mm Ø spigot)	PV06535	160mm BS EN 1401-1 D/S coupler	UD601	N/A		160mm Ø BS EN 1401-1
170/110 (110mm Ø spigot)	PV06531	110mm BS EN 1401-1 D/S coupler	UD401	100mm Ridgidrain socket to 110mm BS EN 1401-1 spigot	ARD100110	100mm Ø Ridgidrain
170/160 (160mm Ø spigot)	PV06535	160mm BS EN 1401-1 D/S coupler	UD601	150mm Ridgidrain socket to 160mm BS EN 1401-1 spigot	ARD150160	150mm Ø Ridgidrain

**Note**  
1) To be read in conjunction with detail A1 and A2

**NOTES**

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REV	AMENDMENT	DATE



**TYPICAL SECTION**  
Scale 1:10

**NOTES**

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REV	AMENDMENT	DATE

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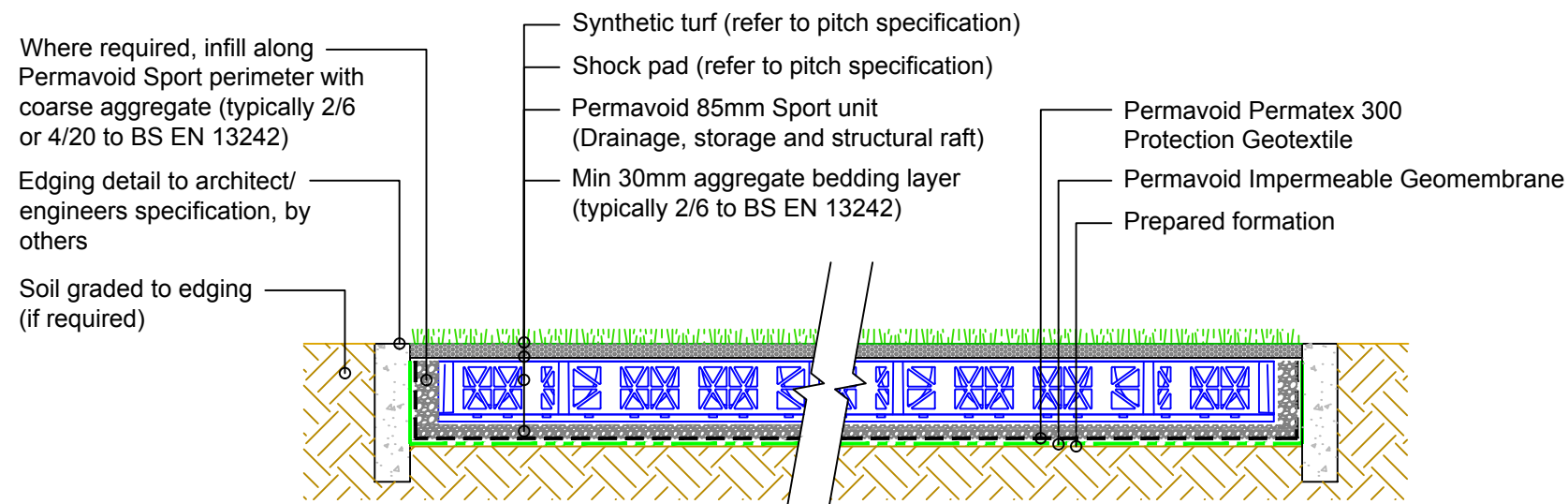
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www.polypipe.com/civils

PROJECT  
**POLYPIPE PERMAVOID SPORTS SYSTEM  
TYPICAL CONSTRUCTION DETAIL**

DRAWING TITLE  
**PERMAVOID 85mm SPORT RAFT  
SYNTHETIC TURF WITH INFILTRATION**

STATUS FOR INFORMATION		
SHEET SIZE A3	SHEET NO. 1 of 1	DRAWN BY SH
SCALE As Shown	DATE 01/03/2019	
DRAWING NO. IG-PVS-SD-I-85-R-ST		REV.



**TYPICAL SECTION**  
Scale 1:10

**NOTES**

1. To be read in conjunction with architect's / engineer's / sports pitch consultant's specification.
2. Typical installation details shown. A site specific assessment of the proposed pitch construction should be undertaken by suitably qualified personnel, considering the underlying ground conditions and overall site drainage plan. Contact Polypipe Civils' technical office for further information.
3. All dimensions in millimetres, unless otherwise stated.
4. All dimensions are nominal and may vary within manufacturing or construction tolerances.
5. All site temporary and enabling works by others.
6. Polypipe products to be installed in accordance with Polypipe Civils recommendations, giving due consideration to the requirements of the approving organisation(s) and the ultimate owner of the installation.
7. This drawing is intended for guidance only. All proposed installations should be assessed in the context of the site and expected operational conditions, in addition to the overall site drainage scheme, prior to commencement of final design or construction activities.
8. All construction activities shall be executed by competent personnel, in accordance with all relevant legislation, regulations, standards or codes of practice.

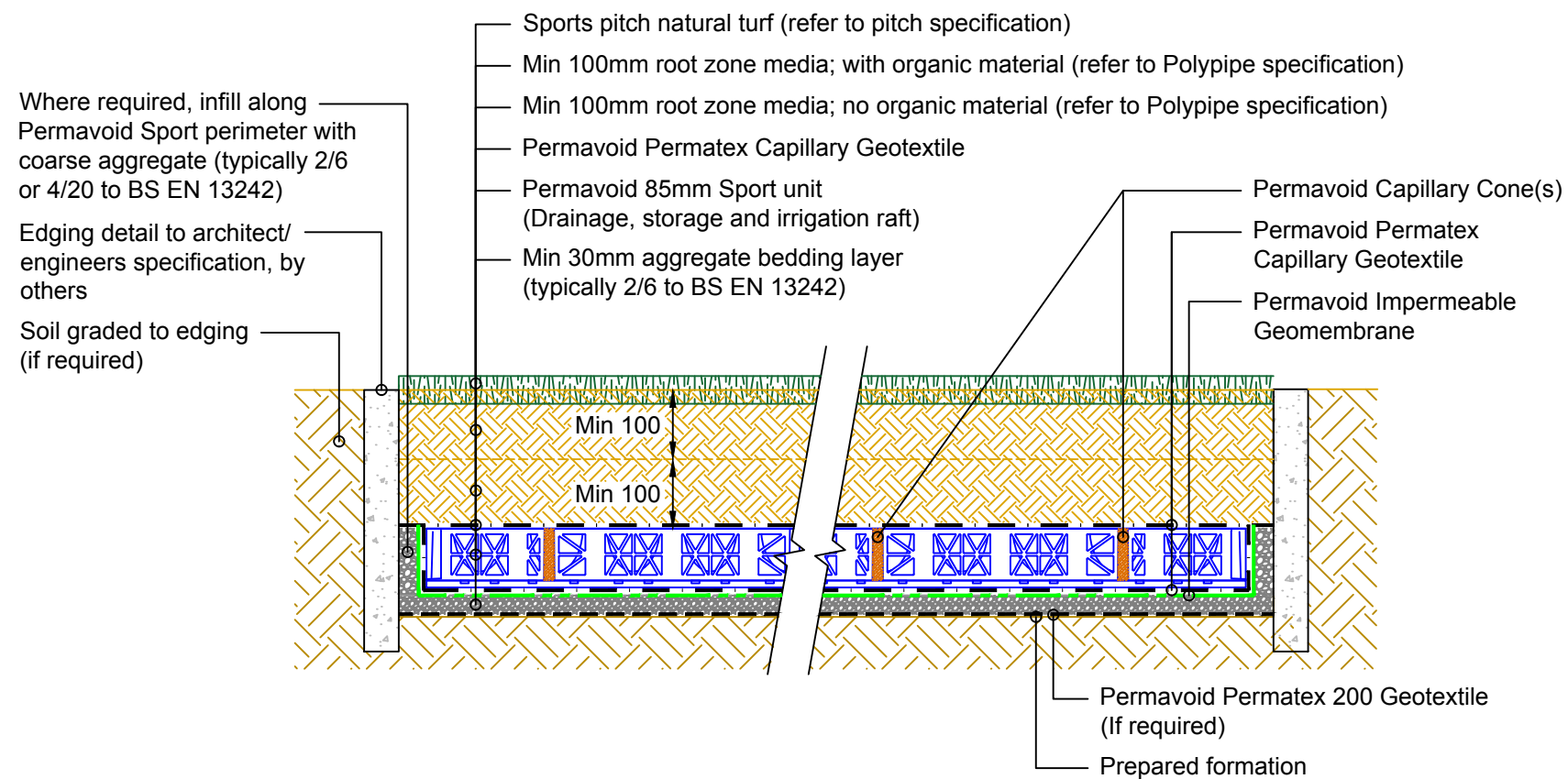
REV	AMENDMENT	DATE

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PROJECT <b>POLYPIPE PERMAVOID SPORTS SYSTEM TYPICAL CONSTRUCTION DETAIL</b>	STATUS <b>FOR INFORMATION</b>		
	SHEET SIZE <b>A3</b>	SHEET NO. <b>1 of 1</b>	DRAWN BY <b>SH</b>
DRAWING TITLE <b>PERMAVOID 85mm SPORT RAFT SYNTHETIC TURF WITH ATTENUATION STORAGE</b>	SCALE <b>As Shown</b>	DATE <b>01/03/2019</b>	
	DRAWING NO. <b>IG-PVS-SD-A-85-R-ST</b>		REV. 





**TYPICAL SECTION**  
Scale 1:10

**NOTES**

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REV	AMENDMENT	DATE

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PROJECT	POLYPIPE PERMAVOID SPORTS SYSTEM TYPICAL CONSTRUCTION DETAIL	
DRAWING TITLE	PERMAVOID 85mm SPORT RAFT NATURAL TURF WITH PASSIVE IRRIGATION	

STATUS FOR INFORMATION		
SHEET SIZE A3	SHEET NO. 1 of 1	DRAWN BY SH
SCALE As Shown	DATE 01/03/2019	
DRAWING NO. IG-PVS-SD-I-85-R-PINT		REV.