#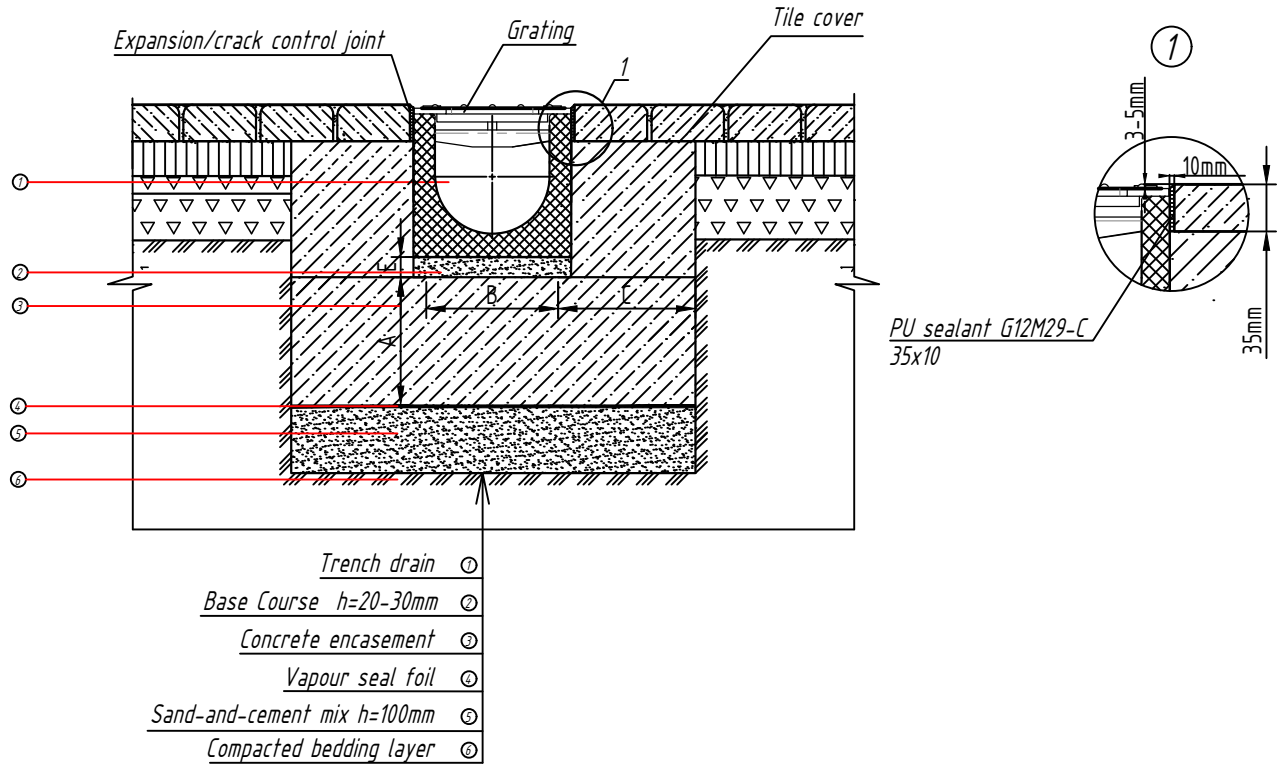 Installation of _Basic series_ polymer concrete channels with a hydraulic cross-section LN100 into an asphalt concrete pavement

Expansion/crack control joint
Grating
Tile cover
1

PU sealant G12M29-C
35x10

3-5mm
10mm
35mm

Trench drain ①
Base Course h=20-30mm ②
Concrete encasement ③
Vapour seal foil ④
Sand-and-cement mix h=100mm ⑤
Compacted bedding layer ⑥

Recommended parameters of the Concrete encasement

Parameter	Load class		
	A15	B 125	C250
Concrete encasement depth (A), mm	80	100	150
Concrete encasement width (C), mm	80	100	150
Compressive strength concrete class	C15/20	C20/25	C20/25

Notes

1. Parameters of bedding layer, concrete encasements as well as necessity of reinforcement must be selected according to geological conditions of the site.

2. If the line length of the trench drains line is more than 10m, expansion joints of the concrete encasement should be designed.

3. Heavy load trench drain lines, including traffic transverse motion has to be made of monolithic trench drains CompoMax Monoblock without bolt clamps.

4. For compensation of temperature influence and deformation fluctuations of the adjoining pavement, it is recommended to arrange, at a distance of 250-500mm from the edge of the trench drain, longitudinal temperature /expansion joints.

5. Installation diagram is non-regulatory. Check updates on the Standartpark website.

						Basic LN100 Tile cover		CB10-201119
						Typical installation scheme of the rain water collection system		
Designed	E. Martinenko			20.11.19	Polymer concrete trench drain Basic series with hydraulic cross section LN100		10	
Checked	R. Neagoe							
Approved	E. Gudumac				Installation into a tile cover			
Contract	tehnic@standartpark.ro						STANDARTPARK	