Installation of Pro series plastic channels with a hydraulic cross-section LN100-300 into an asphalt concrete pavement Expansion/crack control joints <u>Grating</u> 2.1 or 2.2 Asphalt pavement top layer Asphalt pavement course Bedding layer PU sealant 40x10 Trench drain 🕥 Bitumen-polymer tape 50x10 Base Course h=20-30mm ⊘ Concrete encasement ③ <u>PU sealant 50x</u>10 Vapour seal foil © Sand-and-cement mix h=100mm Compacted bedding layer © Recommended parameters of the Concrete encasement Load class Parameter C250 D400 E600 Concrete encasement depth (A), mm 150 200 250 Concrete encasement width (C), mm 150 200 200 Compressive strength concrete class C20/25 C20/25 C25/30 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. 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. 4. Installation diagram is non-regulatory. Check updates on the Vodaland website.

Pro DN100-300 Asphalt

Plastic trench drain Pro series

DN100-300

Asphalt pavement trench drain installation

with hydraulic cross section

20.11.19

Designed

Checked

Typical installation scheme of the rain water collection system

PD16-201119

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