

Sustainable stormwater management solution: “Spice Home” parking lot

Guntars Malina, May 7th 2018



Integrated Stormwater Management
www.integratedstormwater.eu



EUROPEAN UNION
European Regional Development Fund



**Built sustainable stormwater
management solution:
Riga, Latvia**

“Spice Home” parking lot in Riga

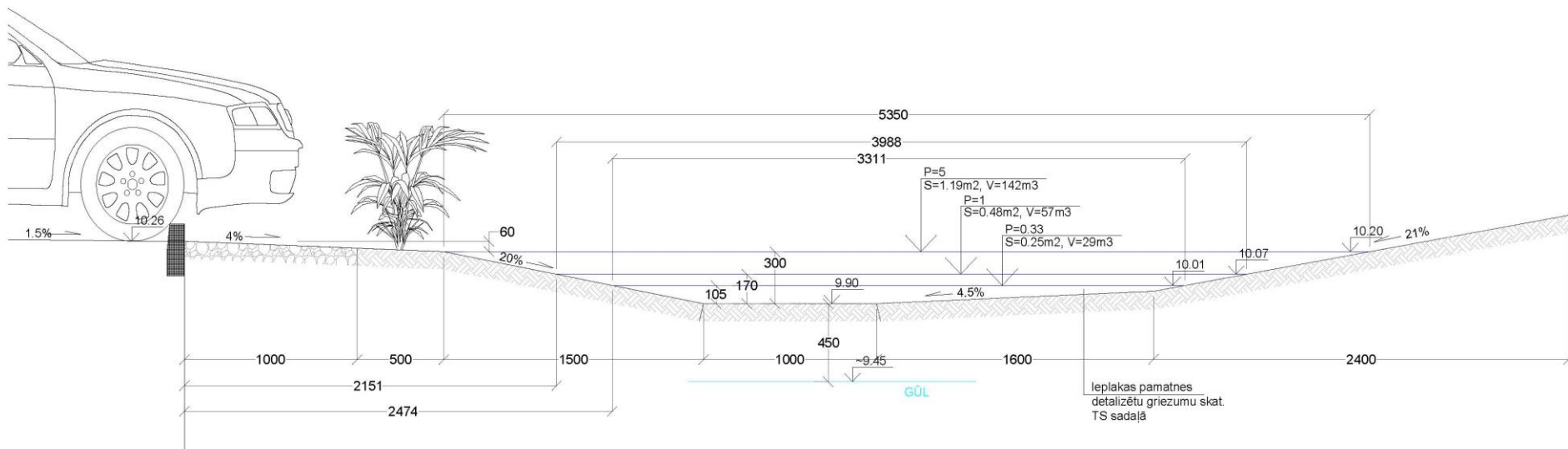
- Parking lot area, total ~ 10 000 m²;
- ... including green areas of 2 100 m²;
- Built in 2016;
- Calculated stormwater volume 87 l/s, (20 min, P=5);
- Runoff limited to 5 l/s;
- Construction costs 30% less, compared to a conventional gray infrastructure solution



EUROPEAN UNION
European Regional Development Fund



“Spice Home” parking lot in Riga



Construction phase ...



... and operational phase







18.09.2017.

35mm, 8h, P=6 g *

9,2mm, 1h, P=0,7 g

44,2mm, 8-9 h, P=17 g

52,9mm, 24h, P=12,5 g (18/09/2017.)

... operation during the last winter



... and in the spring



Thank You!

Contacts:

Guntars Maļina

Ameloration - Stormwater Management Expert

City of Riga | iWater project

Phone: + 371 29141451

E-mail: gma@brambis.lv



Integrated Stormwater Management
www.integratedstormwater.eu



EUROPEAN UNION
European Regional Development Fund

