



Towards resilient city:

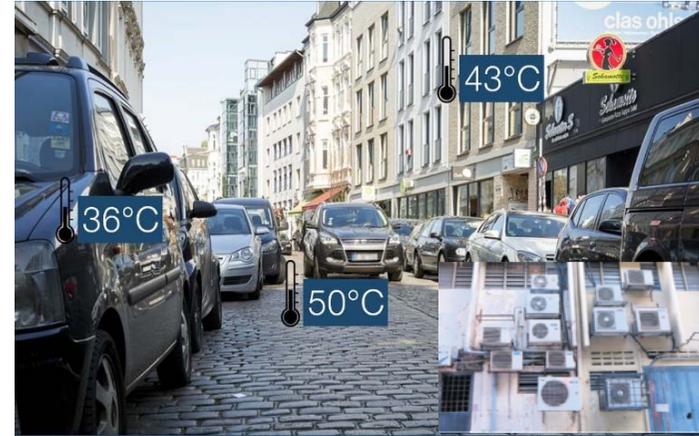
Implementation of Blue-Green Infrastructure with Open Subbase Layer in Swedish streetscape

Martin Vysoký, Landscape architect
Kent Fridell, Landscape engineer

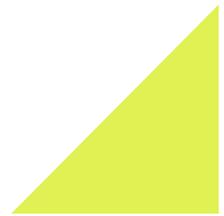
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Challenges



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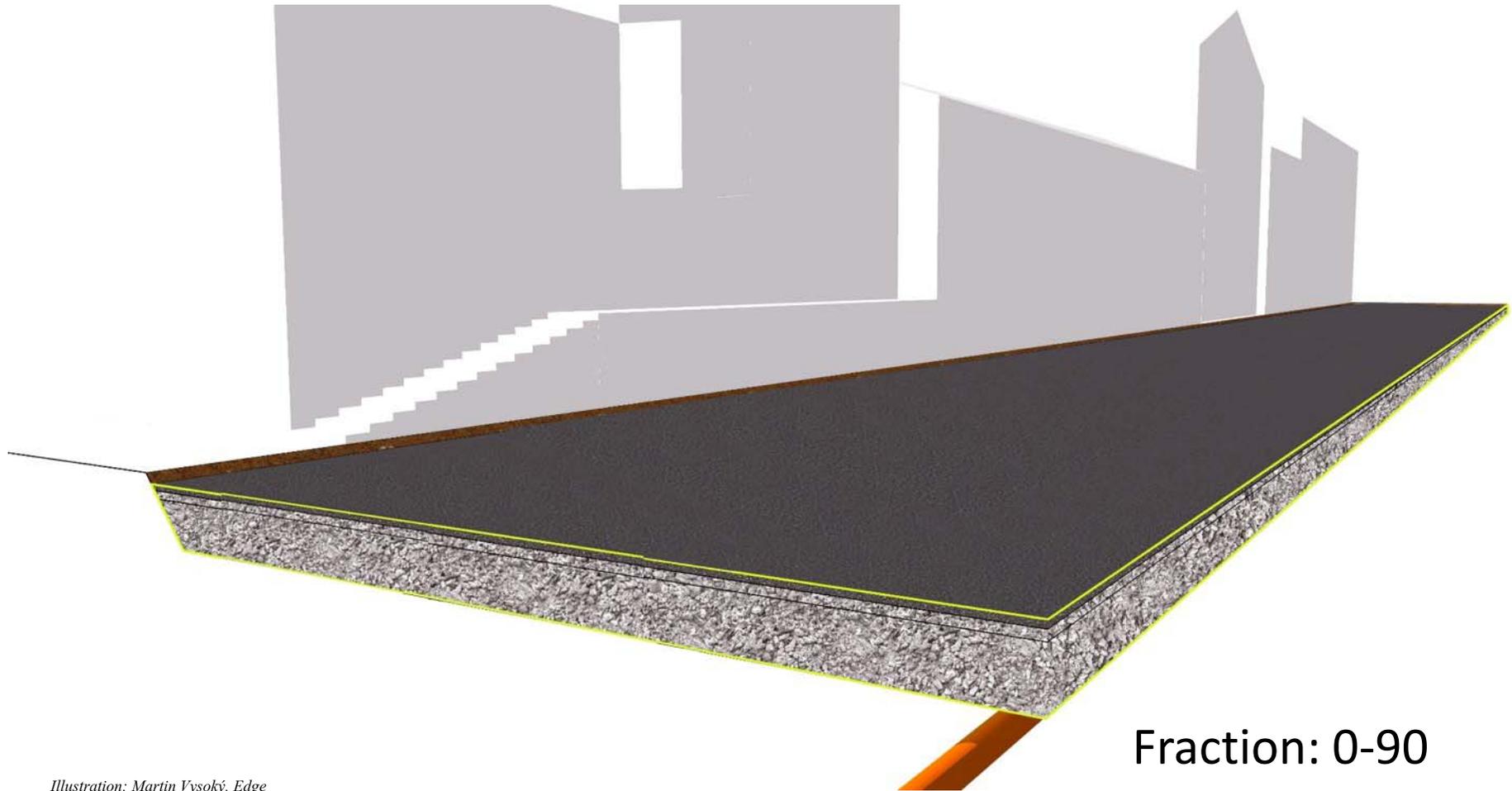
Cityscape



Normal streetscape



Subbase layer



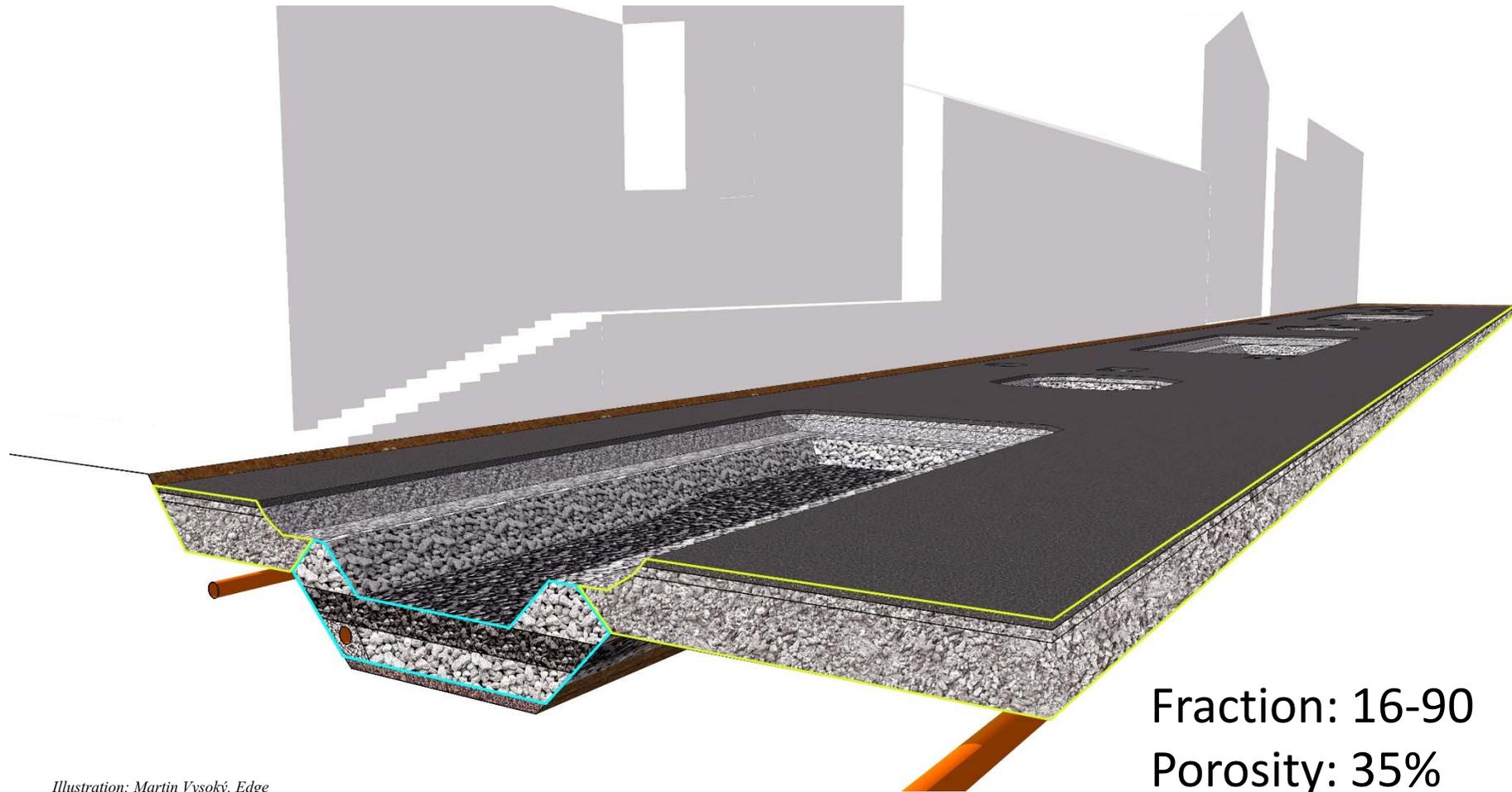
Fraction: 0-90

Illustration: Martin Vysoký, Edge

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Open Subbase layer (OSB)



Fraction: 16-90
Porosity: 35%

Illustration: Martin Vysoký, Edge



Open Subbase (OSB) the basis of the bluegreen system

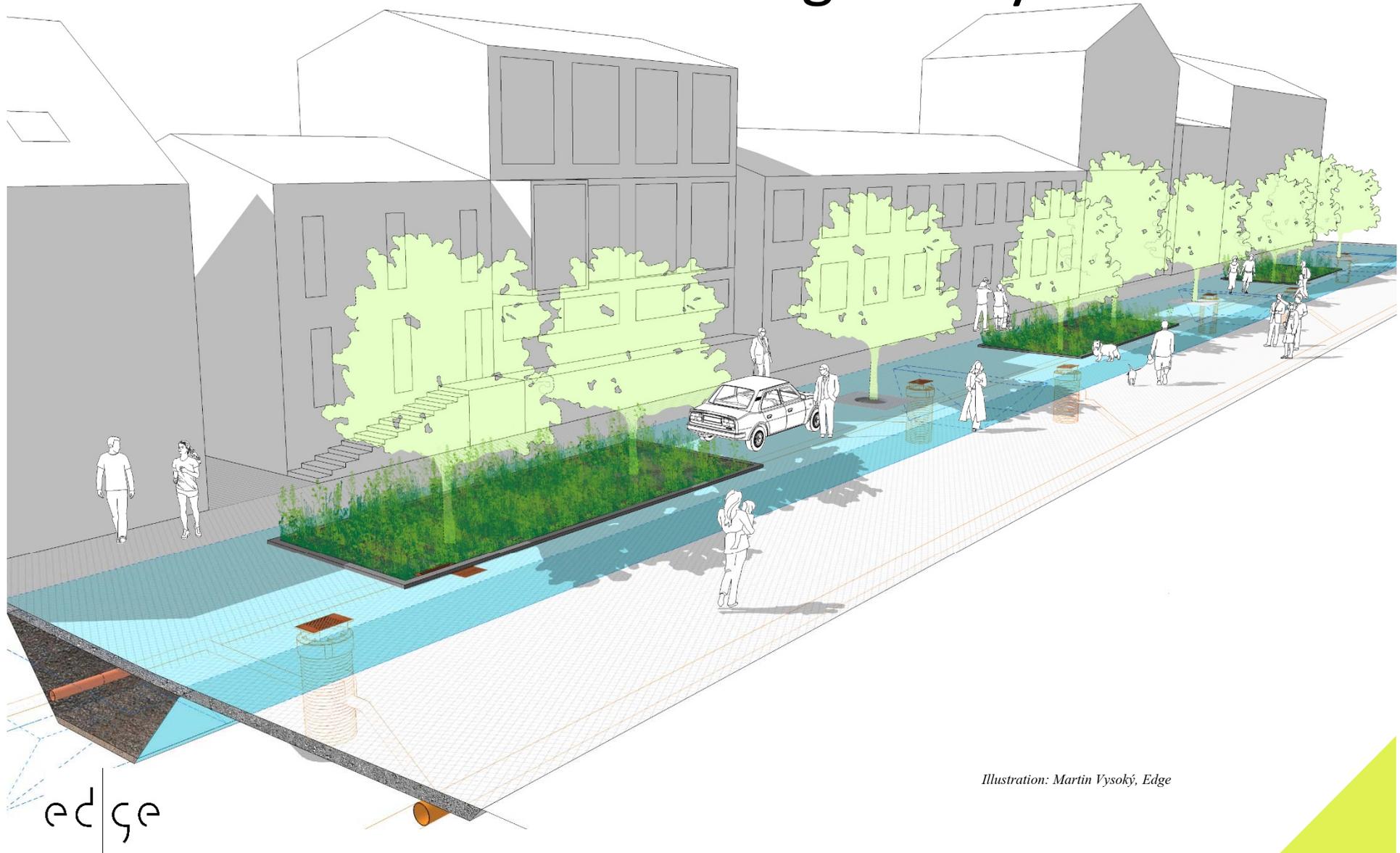


Illustration: Martin Vysoký, Edge

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Open Subbase (OSB)

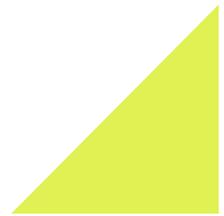
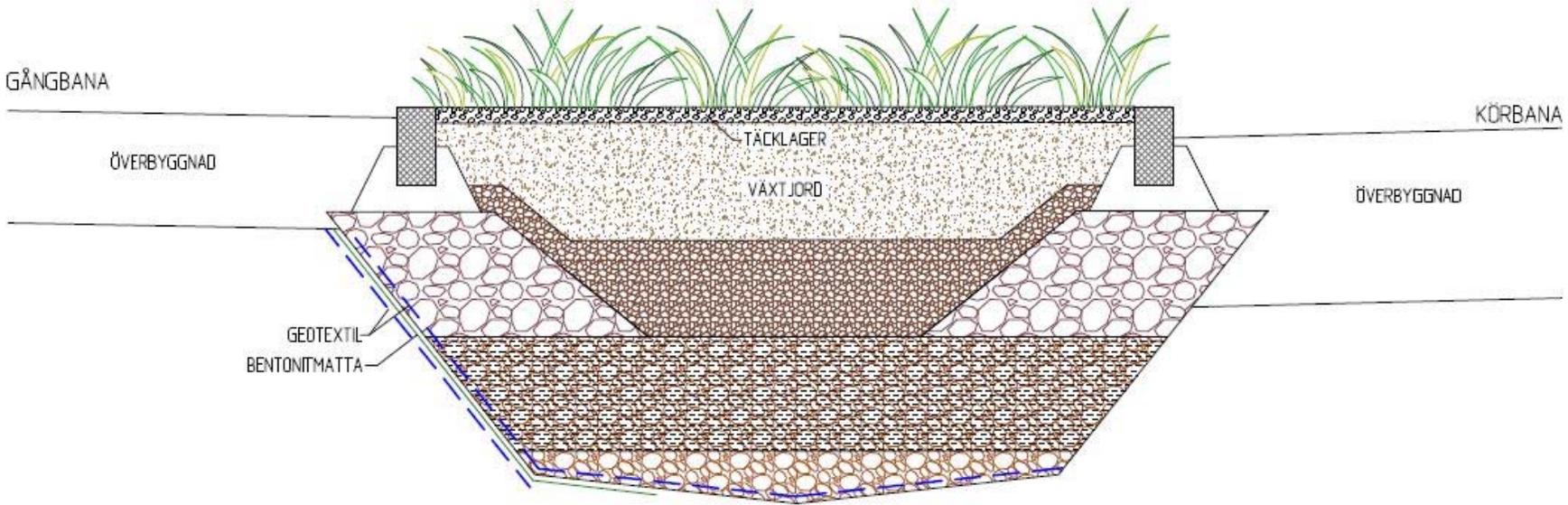
the basis of the bluegreen system



Illustration: Martin Vysoký, Edge



OSB with Plant bed



Graz, Austria



OSB with Tree trench

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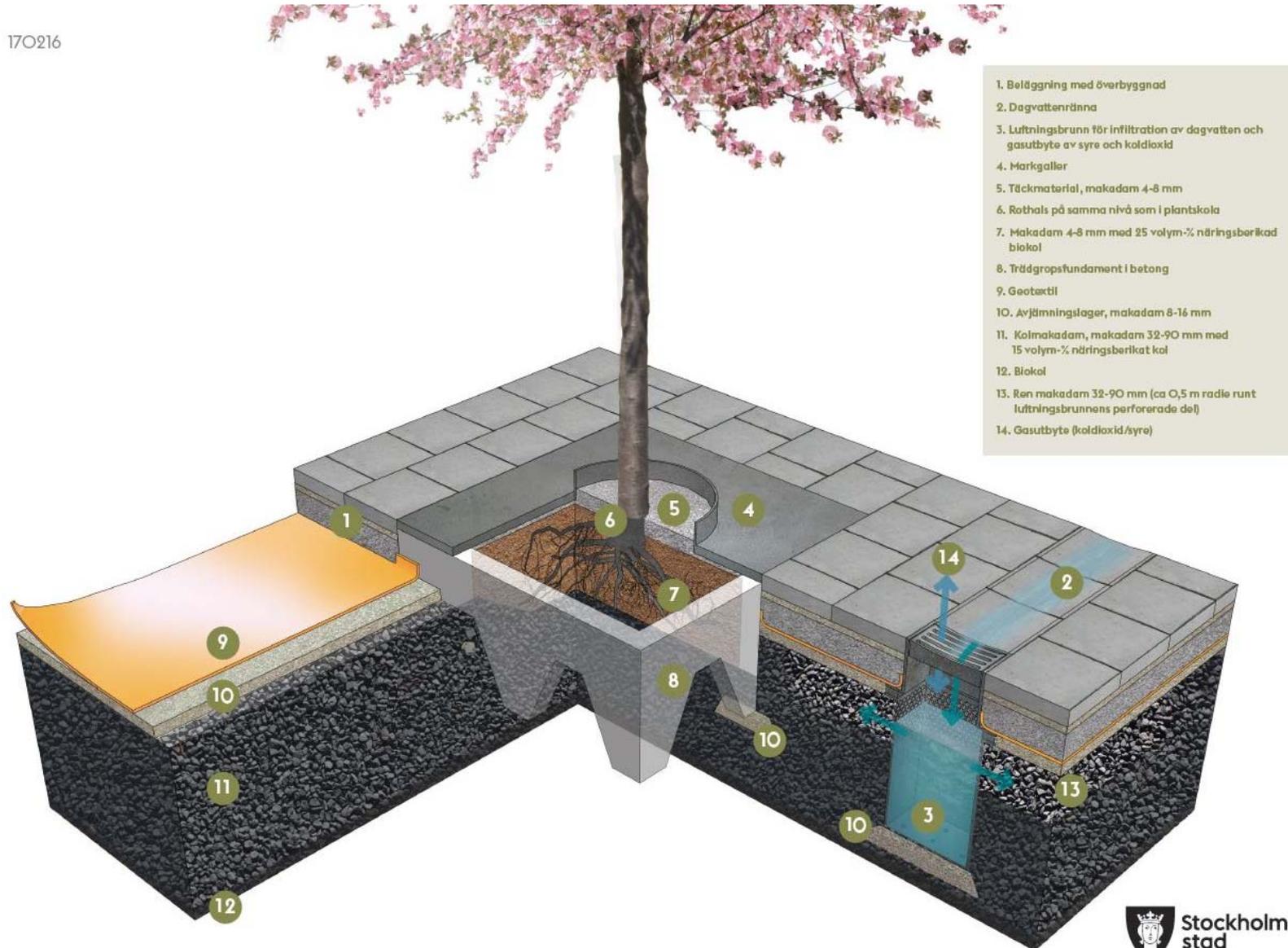




Foto: Björn Embrén



Foto: Björn Embrén

OSB with Permeable pavement



OSB with Rain garden (submerged plantation)



Illustration: Martin Vysoký, Edge



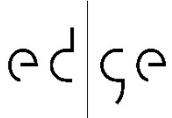
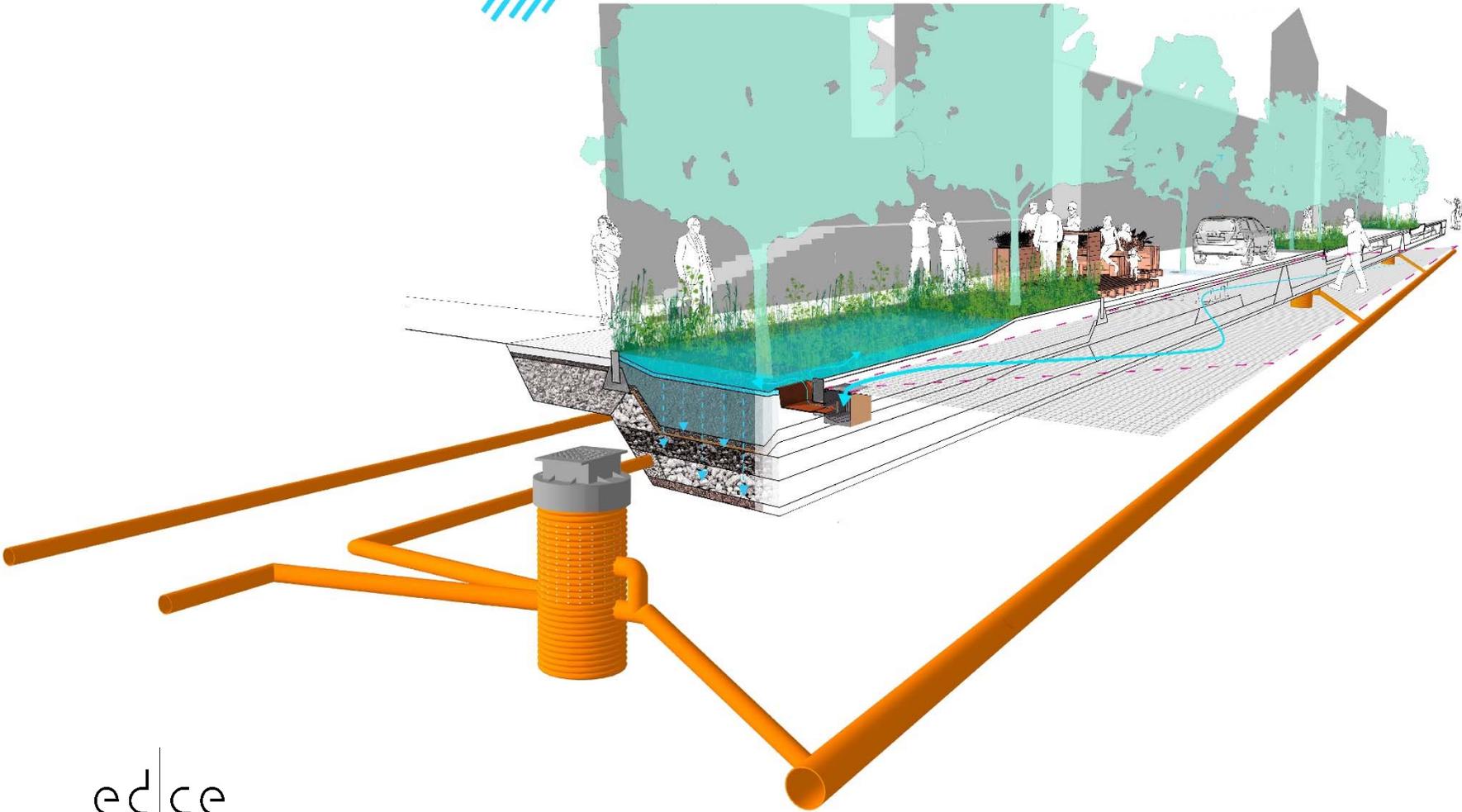


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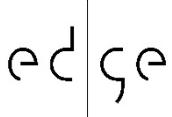
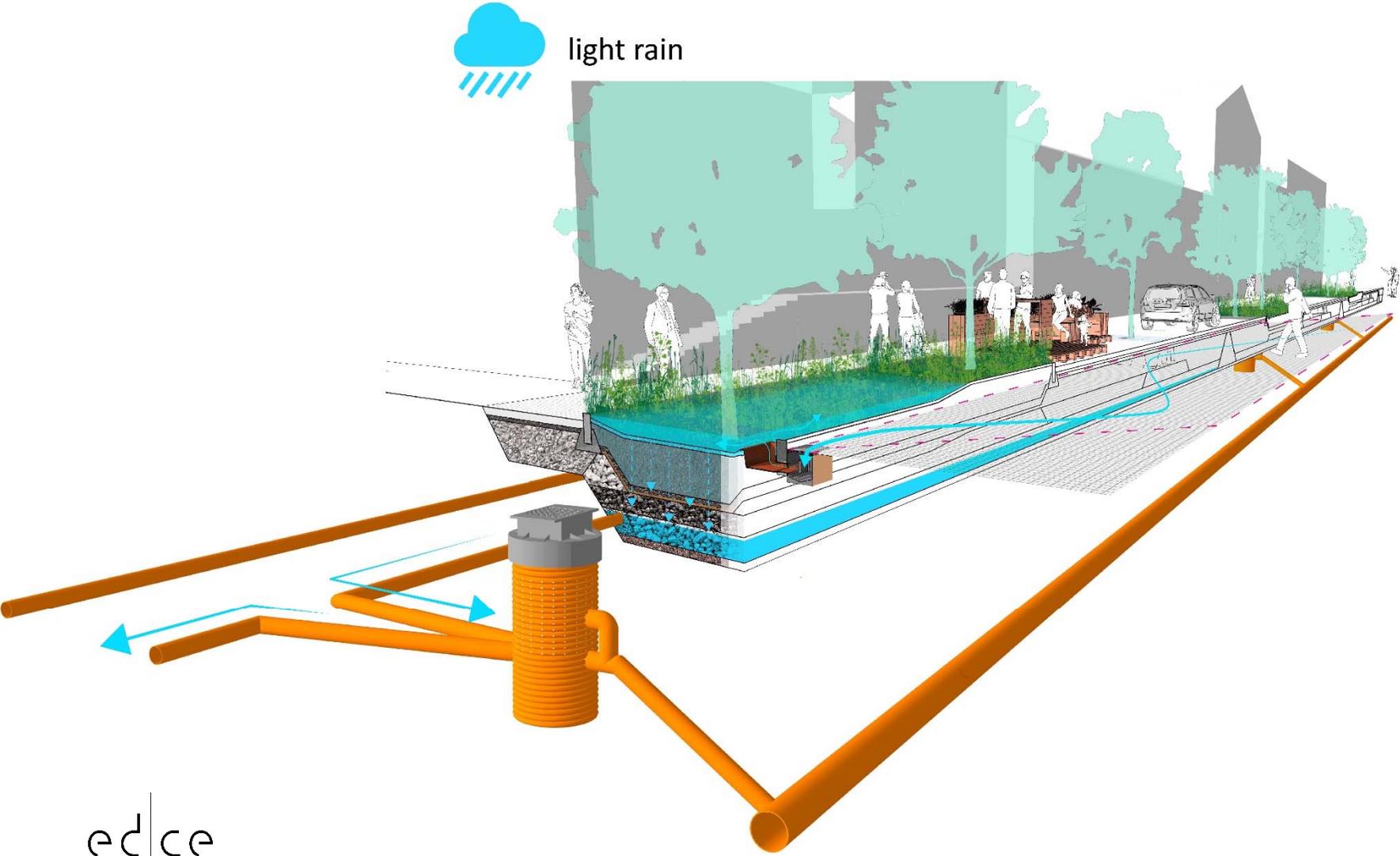
Foto: Rasmus Elleby

OSB with Rain garden

 light rain

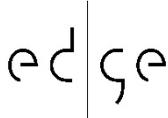
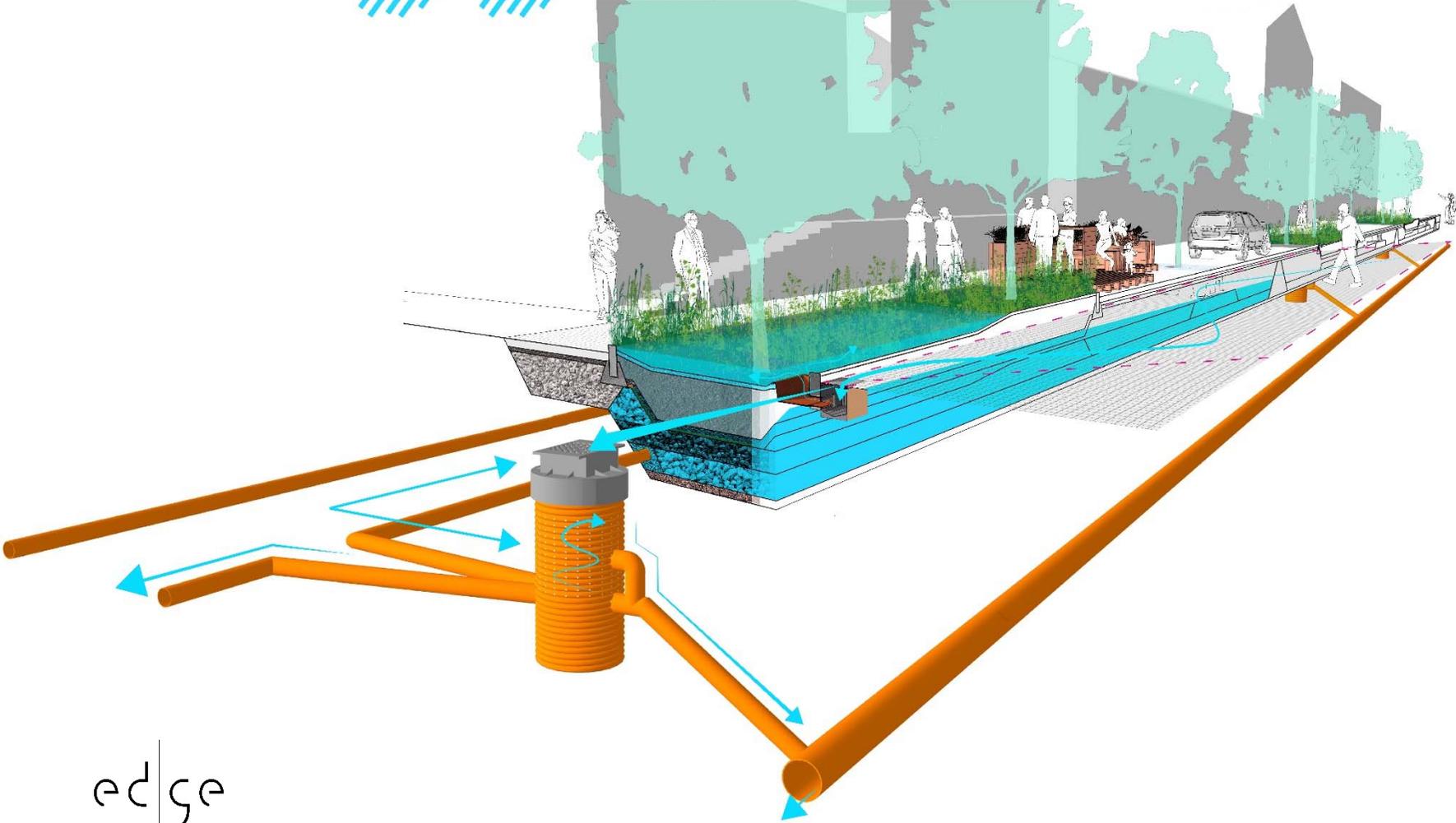


OSB with Rain garden

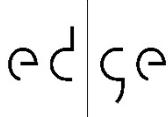
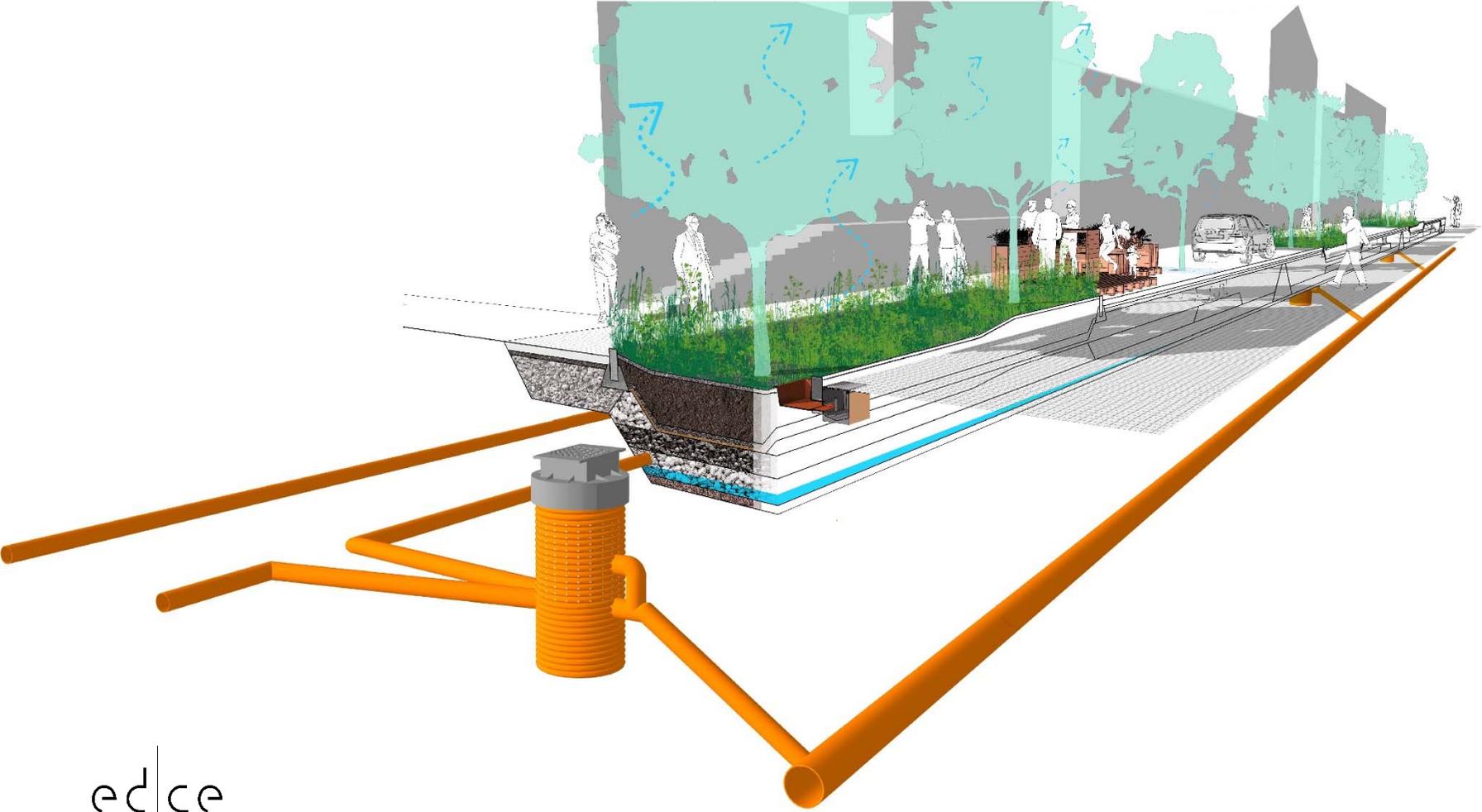


OSB with Rain garden

 extreme rain



OSB with Rain garden





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Rundelsgatan, Vellinge, Sweden

Control well

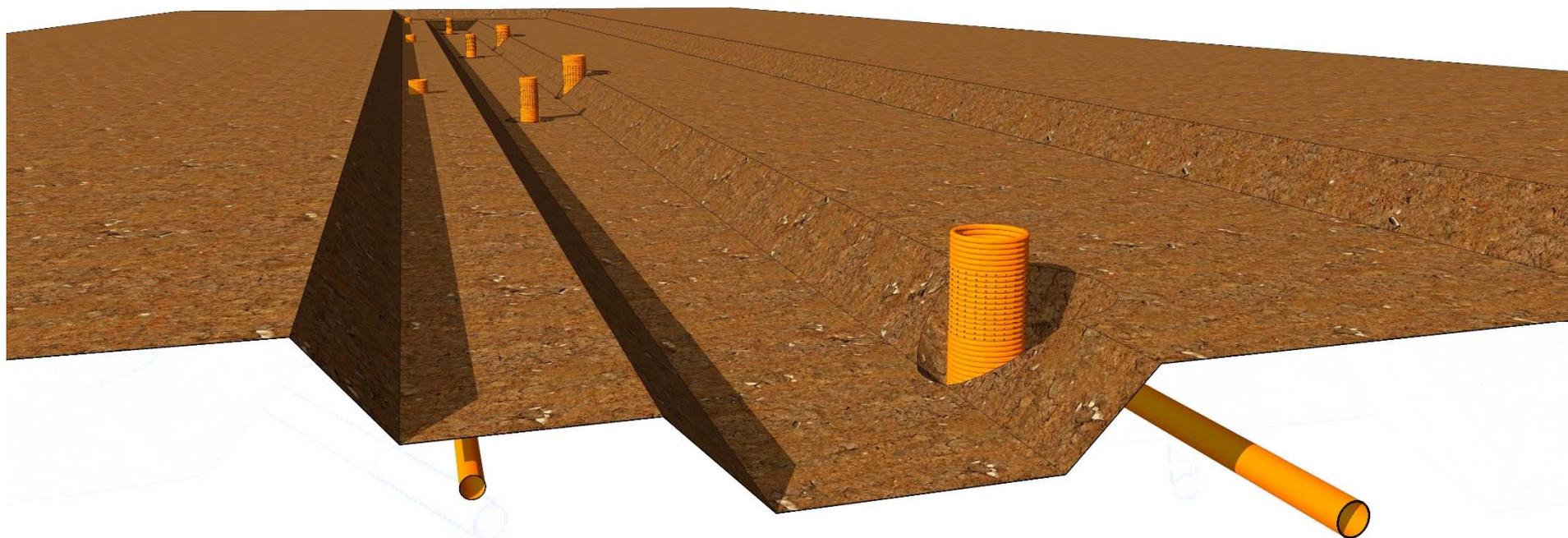


Illustration: Martin Vysoký, Edge, 2019.



Uppsala