Water Management Plan

Collecting and using rainwater is an important way to conserve resources. Rainwater can be used for watering plants and after purification even for cleaning drinking. However, it is important that the water quality is appropriate for the intended use.

Rainwater in the majority of its volume is at Brumlovka locality led from the buildings into retention cisterns (placed underground on the side of the buildings) or is kept on the roof and then gradually released into drain system. Water accumulated in some of these cisterns is used for irrigation as it is connected to an automatic irrigation system.

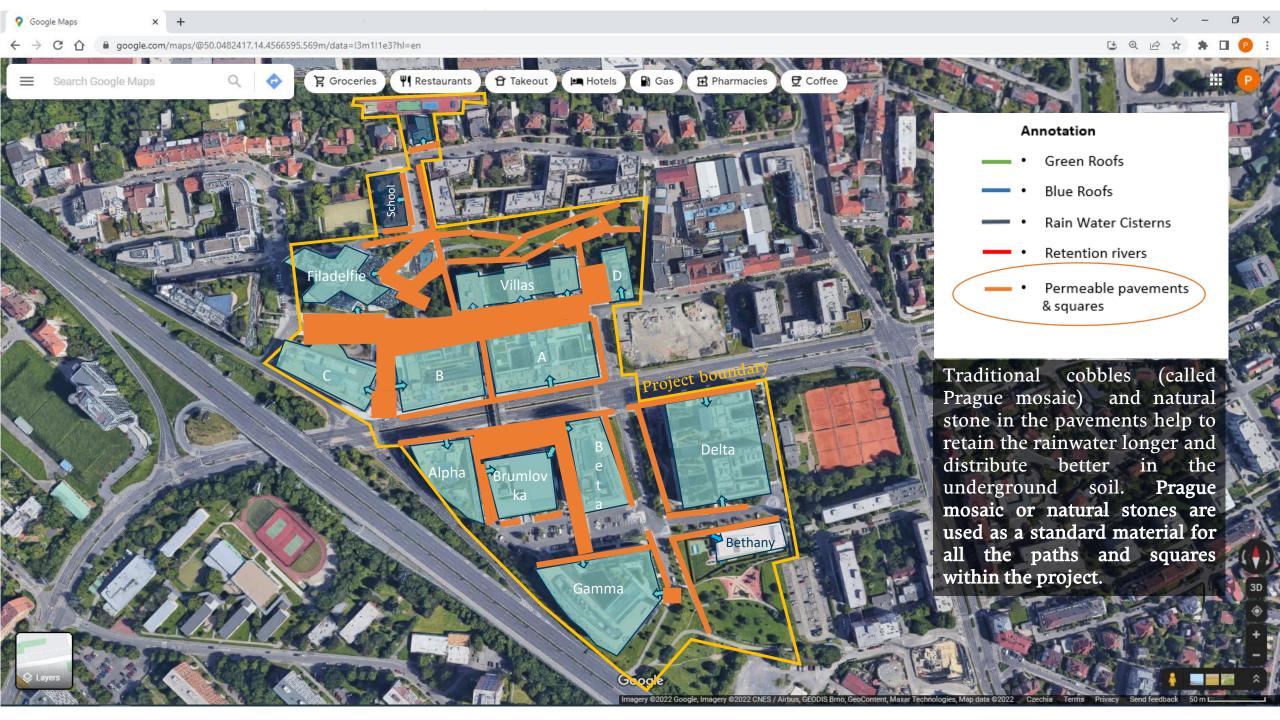


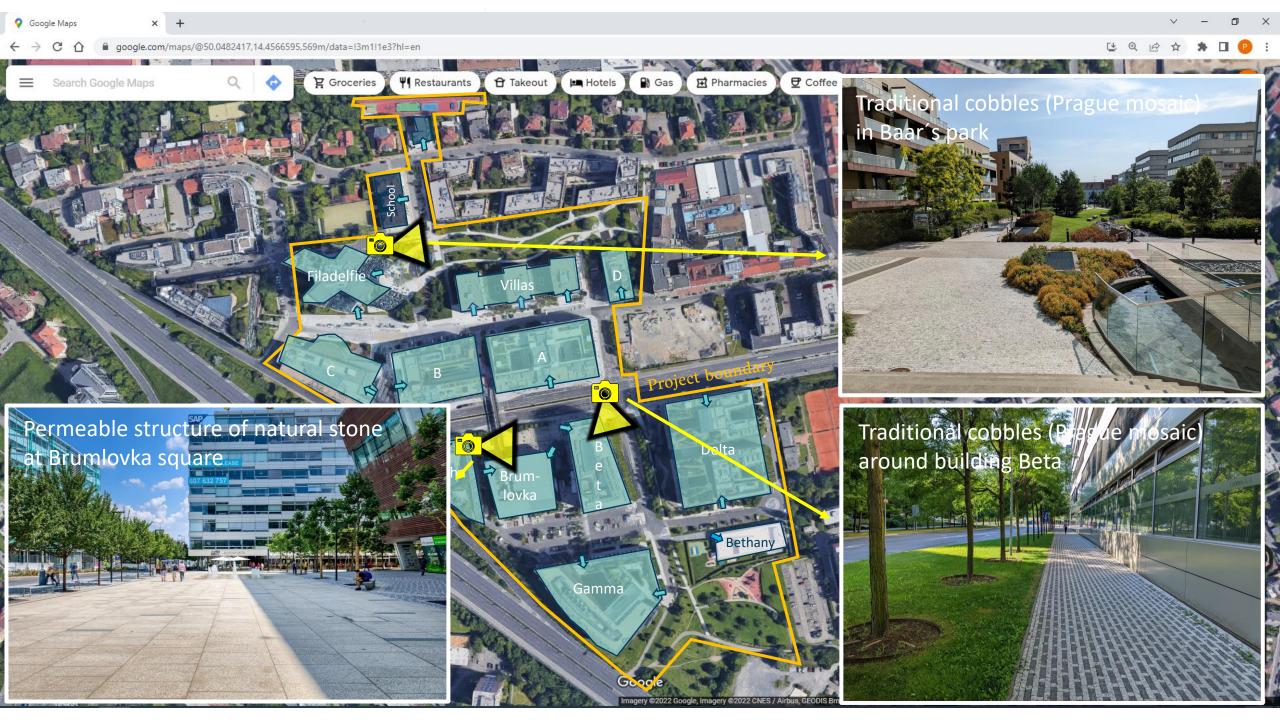
Rainwater infrastructure on our premises includes:

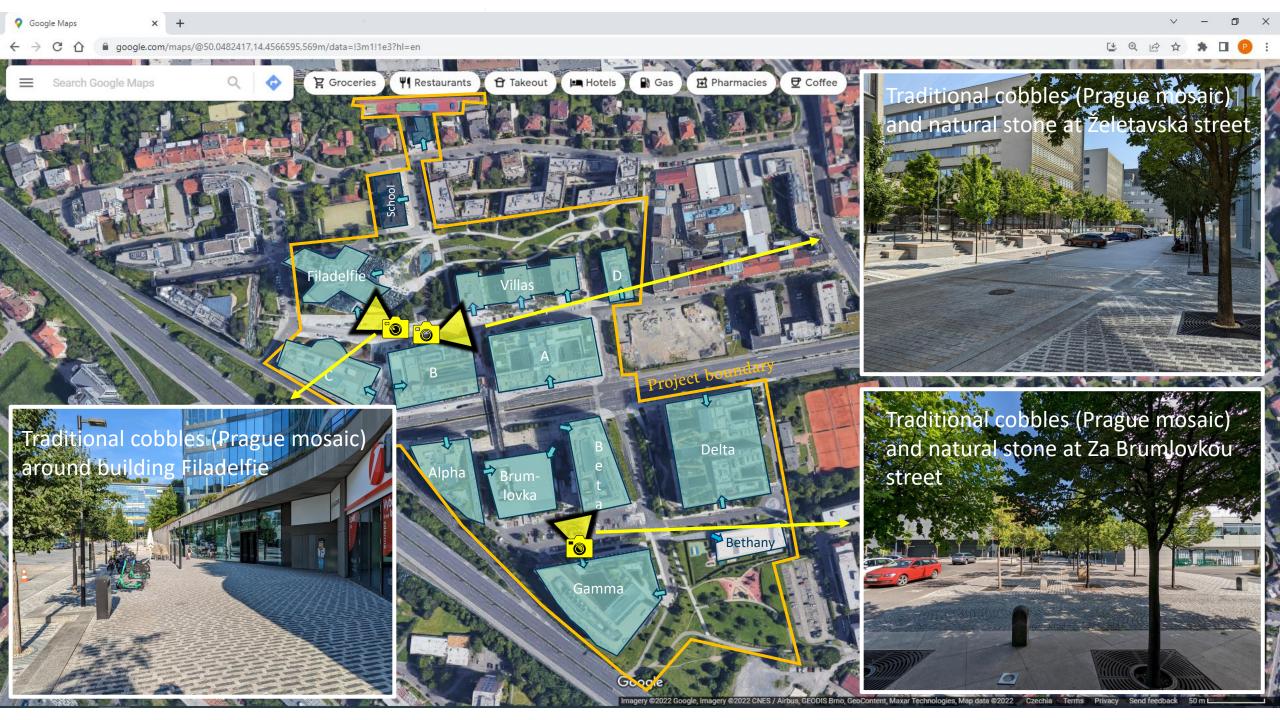
- > permeable pavements (and squares) traditional cobbles and natural stone are used as a standard material for all pavements and public areas
- **green roofs** most of our buildings are partially covered with vegetation and a growing greenery, absorbing rainwater, providing insulation, creating a habitat for wildlife and helping to lower urban air temperatures and mitigate the heat island effect
- **blue roofs** most buildings' roofs in the location are designed explicitly to provide temporary rain water storage and then gradual release into drain system
- retention ponds and river, bioswale there is 1 retention pond followed by river and 1 bioswale based in the location, both used to manage stormwater runoff, protection against flooding and to serve as an erosion control
- rain water cisterns there are 6 water cisterns placed in the location to capture the rainwater from roofs. Captured rainwater is used to water the greenery around the buildings and parks or the cisterns provide temporary rain water storage and then gradually release it into drain system.

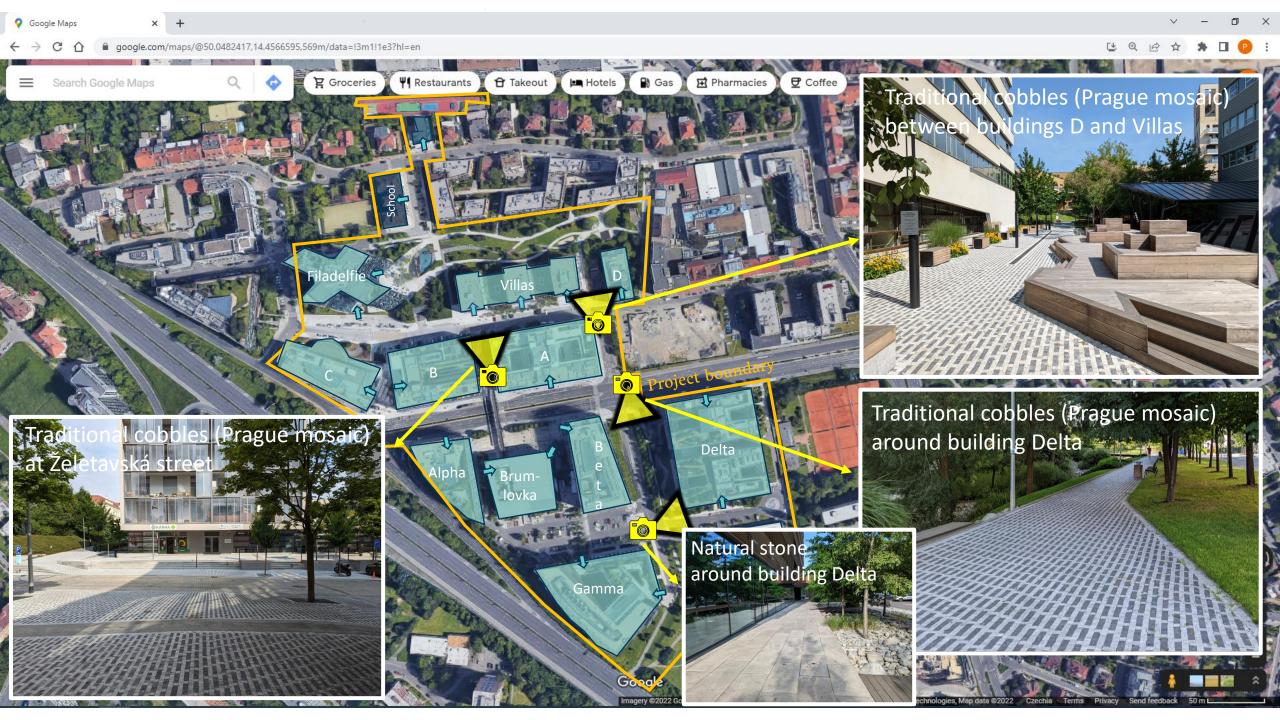


Permeable pavements (and squares)

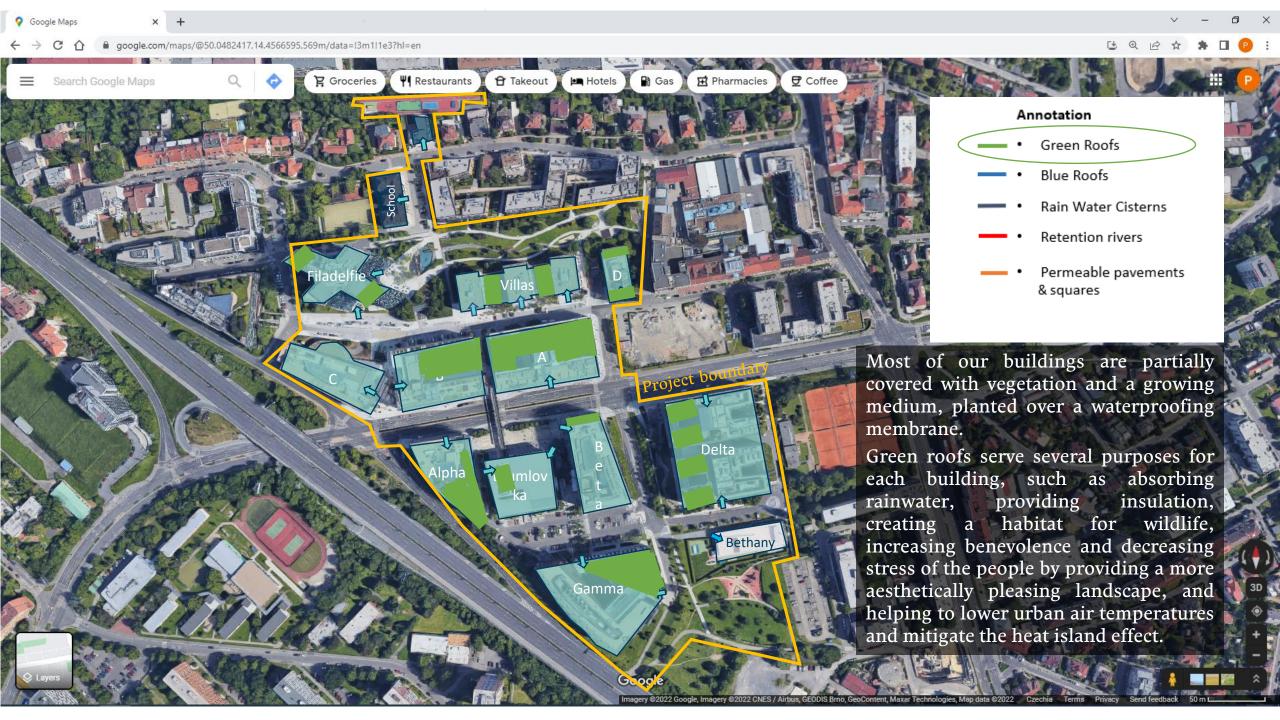




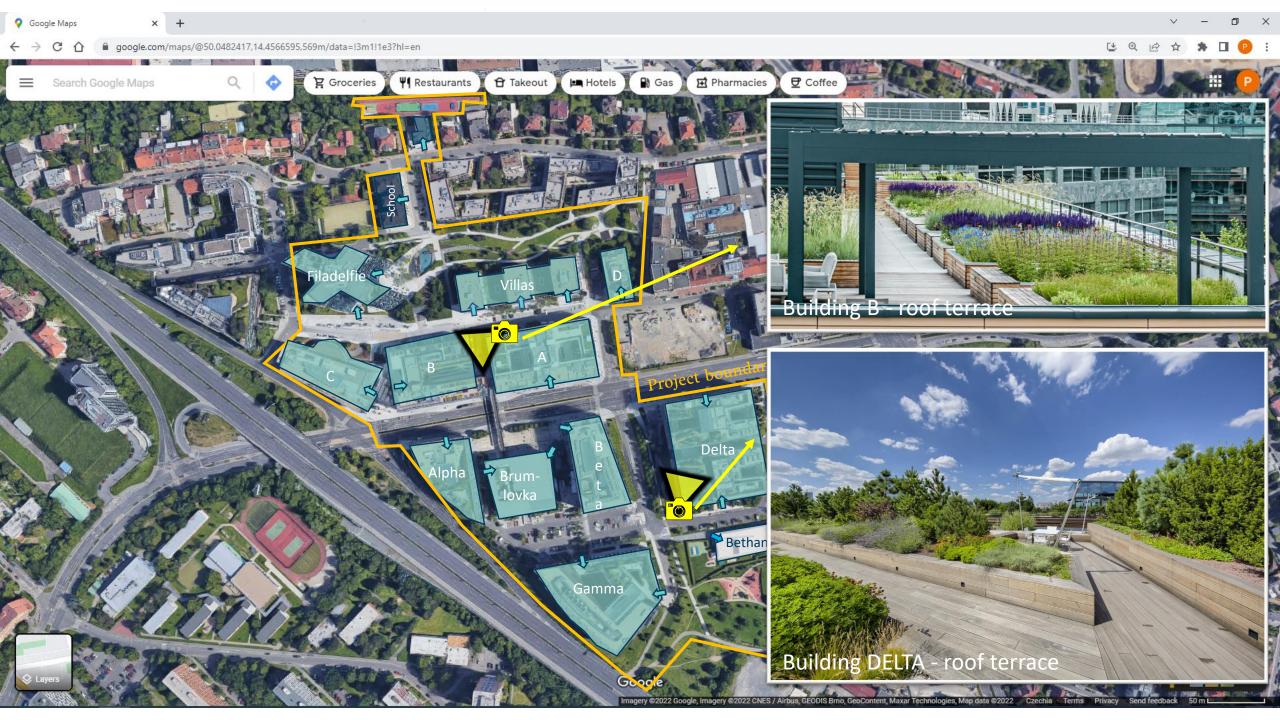




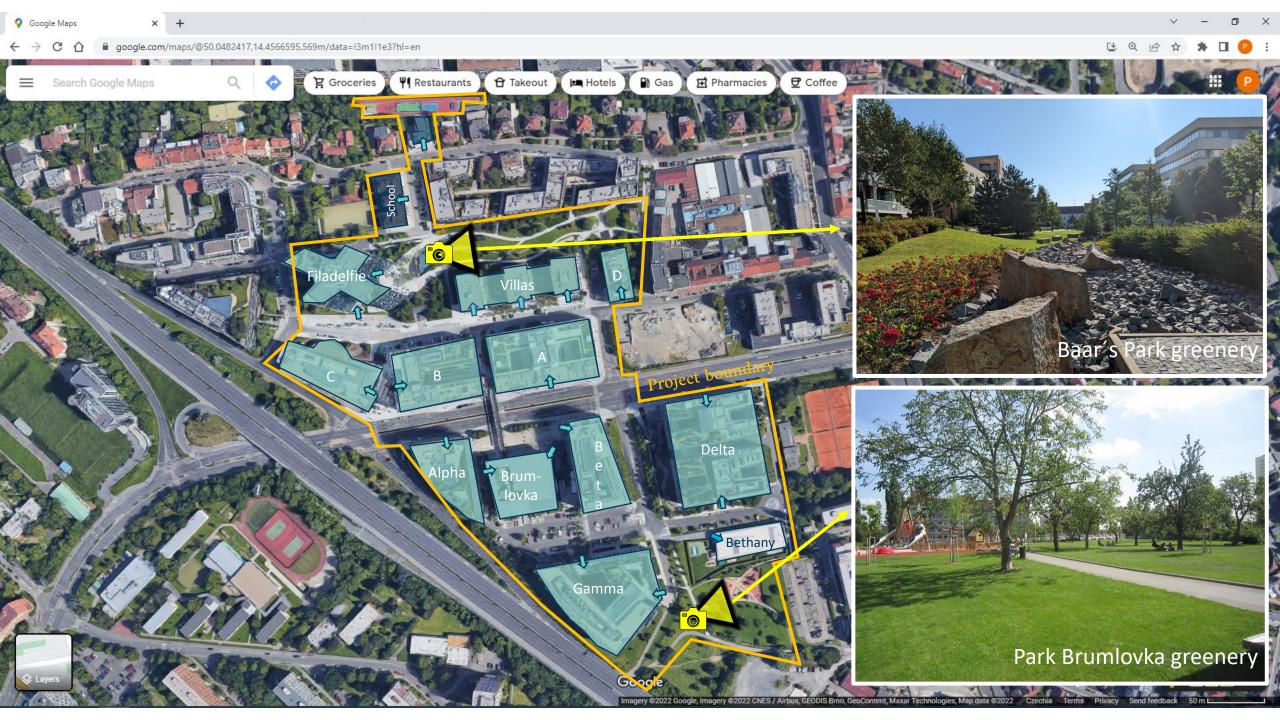
Green roofs



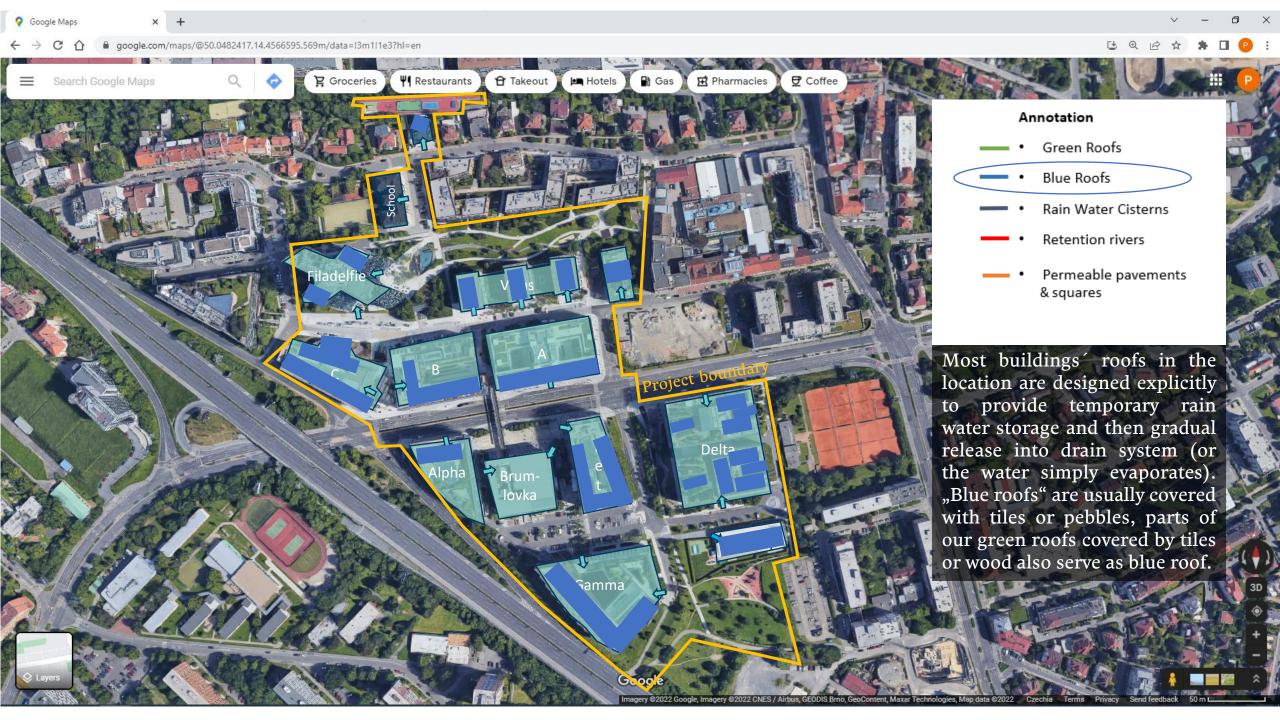


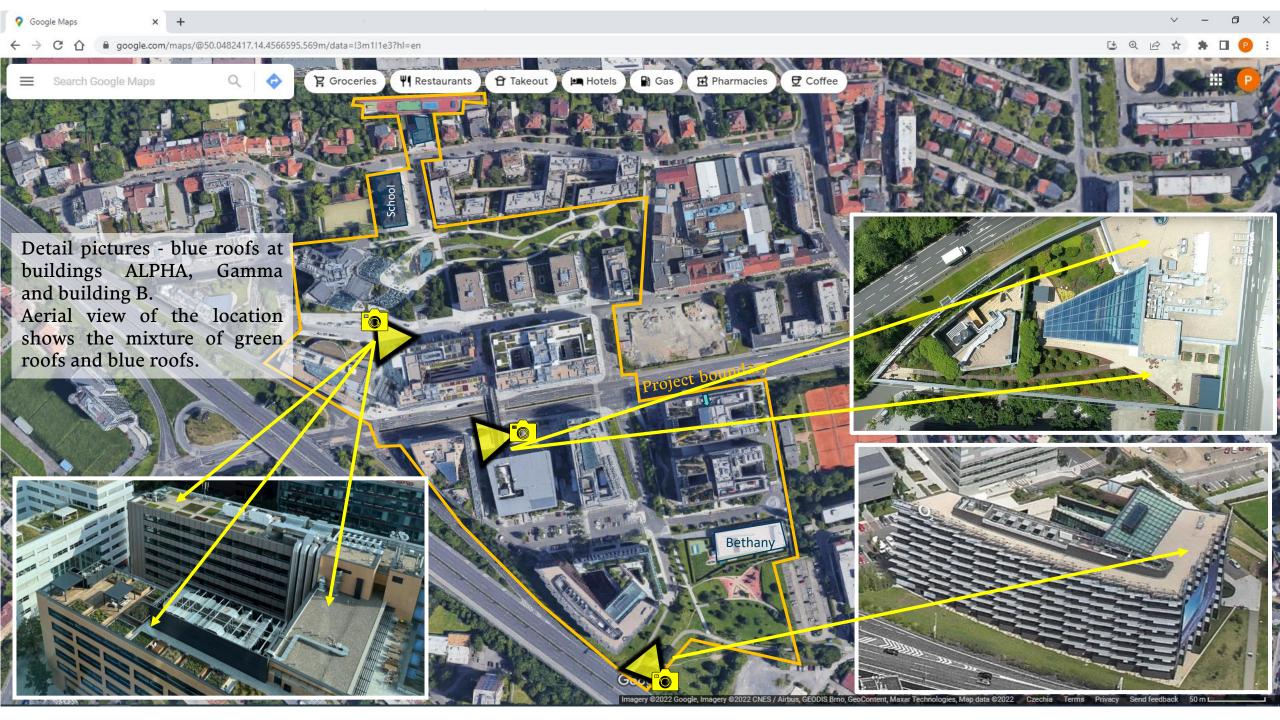




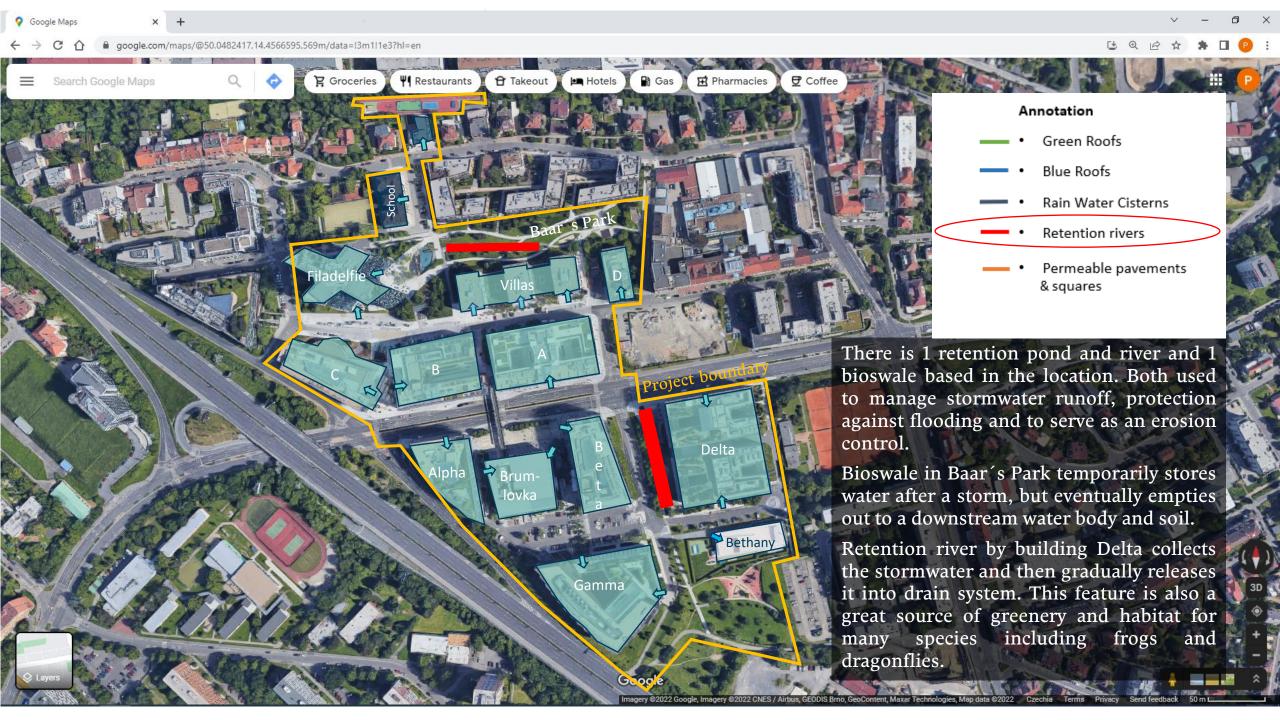


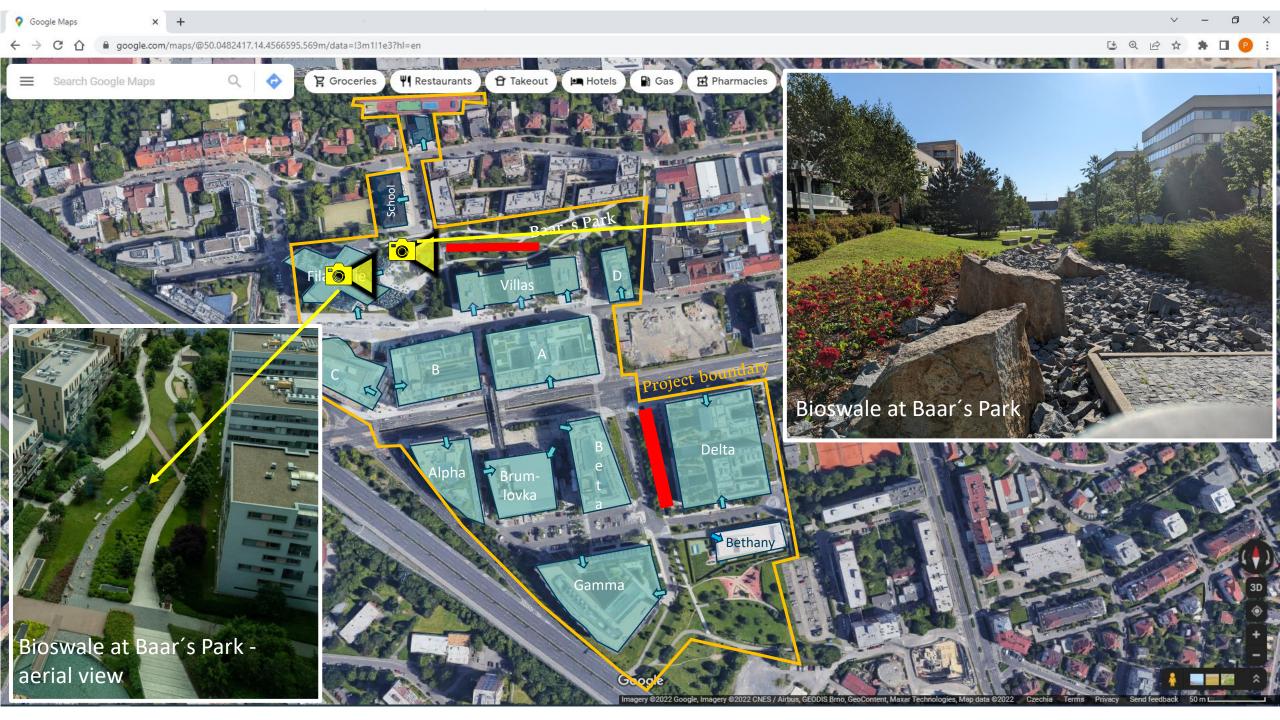
Blue roofs

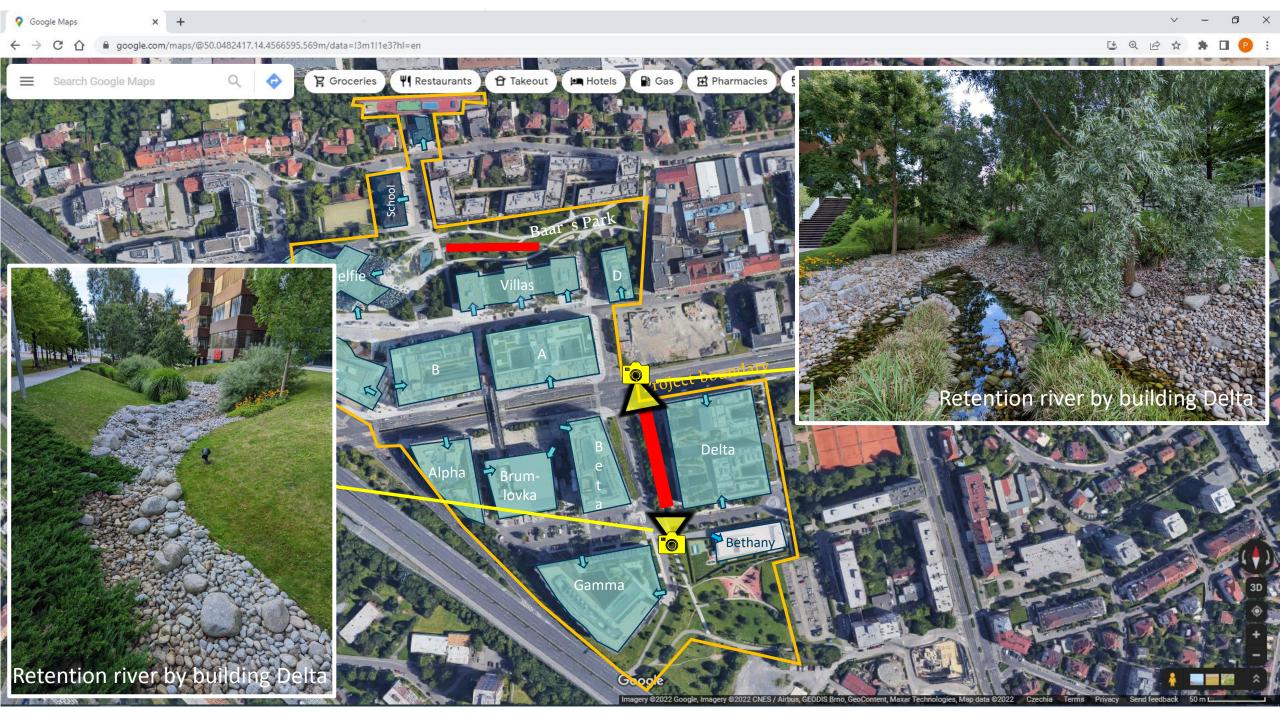




Retention pond followed by river & bioswale







Rain water cisterns

