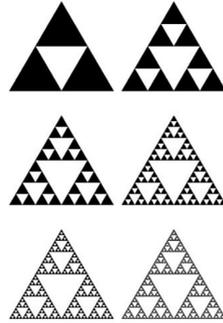


One of the important parameters is the speed of movement. In a mixed area, it involves different speeds of pedestrians, cyclists, cars and trams. Each participant has different needs for surface and orientation. In the historical context, it is also necessary to respond to the character of buildings and spaces. This affects the scale of the paving. There are also various demands on the surface's permeability throughout the territory. In terms of sustainability, it should be as large as possible, but grasslands and greenery are to some extent an obstacle to movement. A balance needs to be found between the two poles. The triangular network is advantageous here because it is omnidirectional and better corresponds to the historically grown shape of the square. The individual elements of the surface and equipment are parametrically woven into this grid on the basis of the analyzed properties of the place. This creates gradual transitions between surfaces with different characteristics of scale, permeability, smoothness, color, etc.

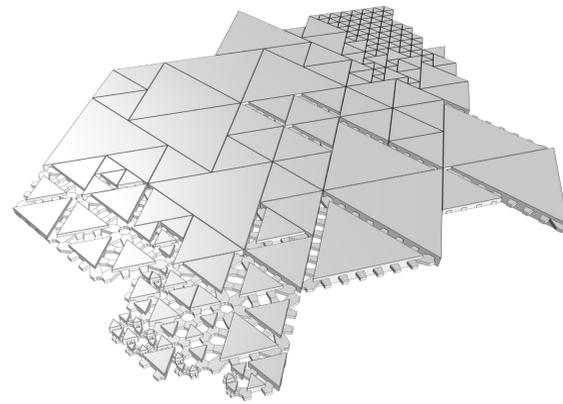


Today's SNP Square was created by transforming the forecourt of the former city fortifications. The area was originally determined by purely military needs. Over time, it has undergone a functional change. The shape, based on purely technical aspects, differs from the newly established squares in its geometry.

Public space is determined by the geomorphic conditions of its origin. These affect its character long after the circumstances of its origin have changed. The complexity of the growing space is further enhanced by secondary inputs, such as property, operational and transport links, etc.



The properties of fractal systems include, for example, the ability to reduce or increase the scale indefinitely in successive steps without losing its basic geometric character.



By combining 16 foundation stones, it is possible to achieve various range of scales as well as smooth transitions between paved and grassy parts of the surface. By introducing different colors of the stones, it is also possible to achieve additional layers and almost unlimited scaling in the form of surface drawing.

In this way, we achieve a surface that can be unifying in the entire area of the square, but also different in each part. Using a few simple elements, a universal system with high variability and adaptability can be created. It can ensure a smooth transition and simultaneous overlap of different surface properties specific to the specific nature of the environment. The geometric basis of the system is still present in all its local adaptations.

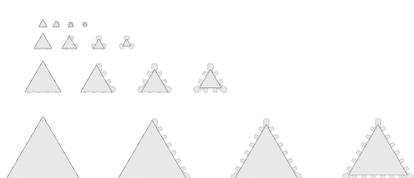


Fractal systems are often found not only in natural but also in urban structures. Examples of fractal urbanism include the Baroque fortifications of the 17th and 18th centuries.



We choose a system of triangular paving elements made of artificial stone in four different sizes from 0.2 - 1.6 m side length. The elements have a stepped recess, which allows you to create combinations of grass joints of different thicknesses and sizes.

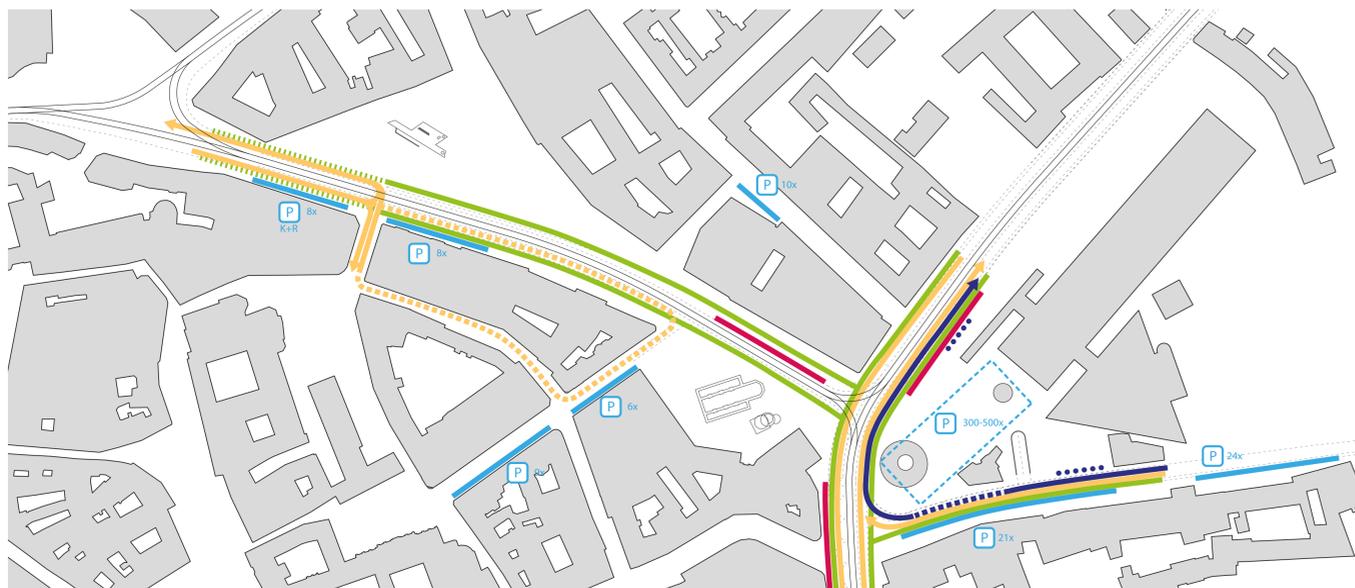
The complexity of the territory requires an approach which, rather than demarcating borders, can create smooth transitions between the individual parts. The basis of the proposed system is a triangular network, forming the outline of a kind of carpet laid across the square.





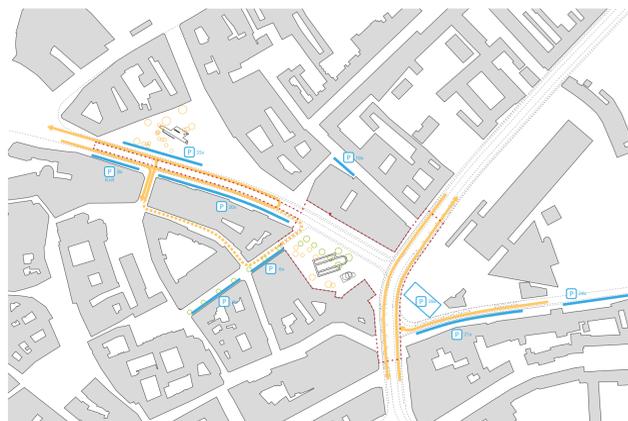
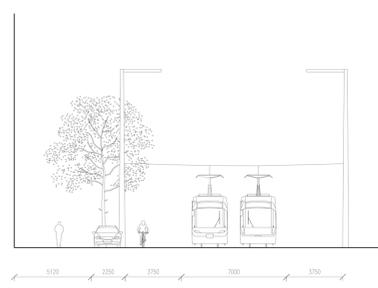
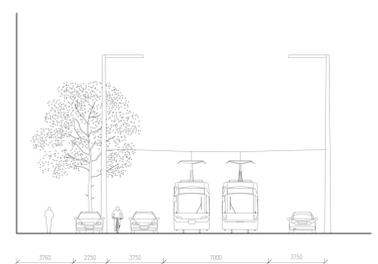
MASTERPLAN 1:750

- |                                  |   |                                       |                   |            |                    |                |
|----------------------------------|---|---------------------------------------|-------------------|------------|--------------------|----------------|
| A Monument Square / Námestie SNP | B Market Square / Námestie Nežnej revolúcie | C Crossing / Kamenné námestie         | 4 universal space | 5 pavilion | 6 parking entrance | 7 parking exit |
| 1 ceremonies and fog fountain    | 2 market place terraces                     | 3 archeological site and installation |                   |            |                    |                |

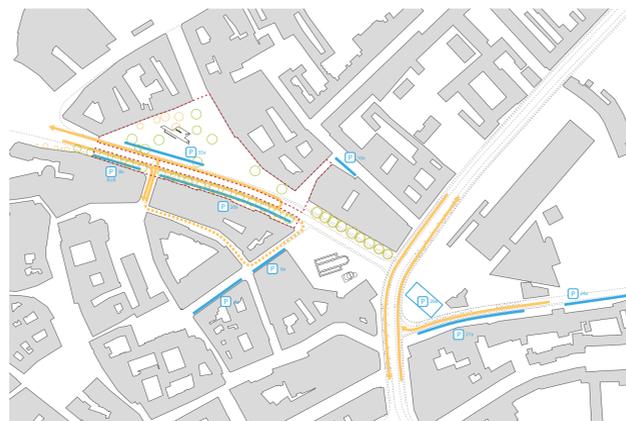


TRAFFIC SOLUTION 1:1500

- |             |                                       |         |                    |             |                            |                   |            |              |                       |
|-------------|---------------------------------------|---------|--------------------|-------------|----------------------------|-------------------|------------|--------------|-----------------------|
| Car traffic | Limited car traffic / pedestrian zone | Parking | Underground garage | Trolley bus | Trolley bus / parking area | Trolley bus stops | Tram stops | Cyclist line | Cyclist pictocorridor |
|-------------|---------------------------------------|---------|--------------------|-------------|----------------------------|-------------------|------------|--------------|-----------------------|



PHASE 01



PHASE 02



PHASE 03





AXONOMETRIC PROJECTION



RAINWATER SOLUTION 1:1500

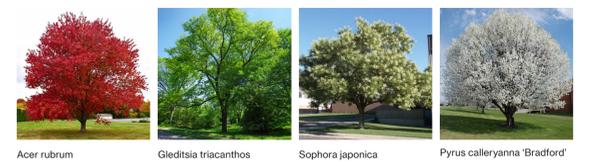
● existing trees   
 ● new trees   
 ■ permeability low   
 ■ permeability medium   
 ■ permeability high



LANDSCAPING SOLUTION 1:1500

● existing trees   
 ● Acer rubrum   
 ● Gleditsia triacanthos   
 ● Sophora japonica   
 ● Pyrus calleryana 'Bradford'   
 ● Prunus x schmittii   
 ● Prunus serrulata 'Kanzan'   
 ● Tilia cordata 'Rancho'   
 ■ Flower bed

Trees



Acer rubrum    Gleditsia triacanthos    Sophora japonica    Pyrus calleryana 'Bradford'



Prunus x schmittii    Prunus serrulata 'Kanzan'    Tilia cordata 'Rancho'

Flowerbeds

primary



Sesleria nitida    Molinia caerulea    Deschampsia cespitosa    Anemone 'Honorine Jorbert'



Persicaria amplexicaulis    Stachys monieri    Liatris spicata    Knautia macedonica

tertiary



Tiarella cordifolia    Liriope muscari 'Big Blue'    Achillea 'Walther Funcke'





MONUMENT SQUARE / The character of the square is respectful and green. By dissolving the grass into the paving with smooth transitions, pedestrians can move freely and all visual barriers are removed, while high-grown trees are preserved. The monument thus becomes a natural part of the urban environment.



SITUATION OF MONUMENT SQUARE 1:500



In the open area in front of the monument, larger-scale paving is used and commemorative ceremonies and mass social events can be held here. The free area is complemented by a fog fountain, which contributes to the special atmosphere of the place and to the improvement of the climate.



section of Monument square 1:500

The space is illuminated around the perimeter, in the vicinity of the monument the intensity is significantly reduced. The atmosphere is enhanced by festive lighting of both churches and the monument from the poles positioned in the area. The fog fountain is illuminated by spotlights in the pavement.



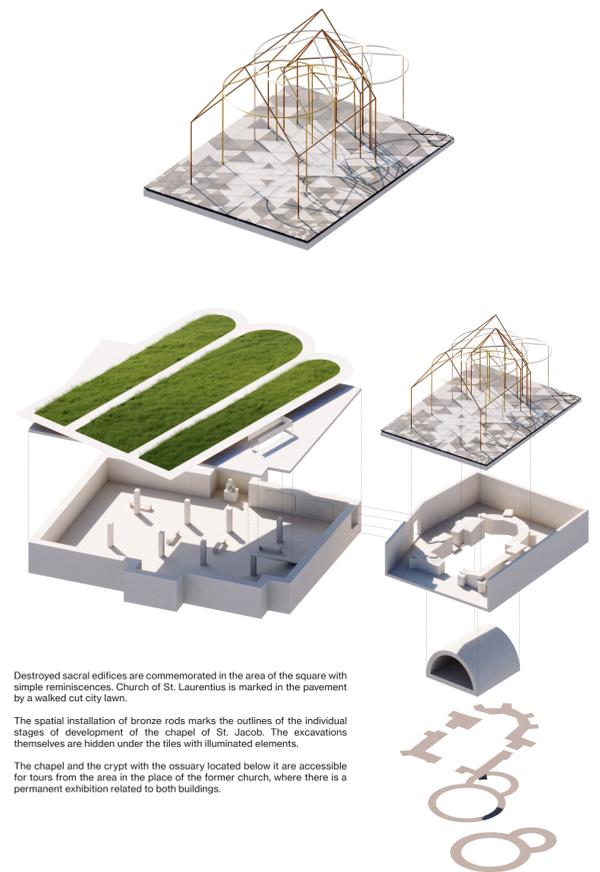
concept of lighting on Monument square 1:200



MARKET SQUARE / The character of the space in front of the market is more intimate and urban. Existing trees are partly preserved and supplemented into a regular grid with larger spacing, more suitable for trees. Mosaic tiles in front of the market create a smaller scale where the space will naturally serve as a multi-purpose social space for sitting, concerts, markets, etc. The current water fountain is preserved.



SITUATION OF MARKET SQUARE 1:500



Destroyed sacred edifices are commemorated in the area of the square with simple reminiscences. Church of St. Laurentius is marked in the pavement by a walked cut city lawn.

The spatial installation of bronze rods marks the outlines of the individual stages of development of the chapel of St. Jacob. The excavations themselves are hidden under the tiles with illuminated elements.

The chapel and the crypt with the ossuary located below it are accessible for tours from the area in the place of the former church, where there is a permanent exhibition related to both buildings.



section of Market square 1:500



The lighting is softened here. The street lights along the facades are complemented by a garland net stretched between the trees.



Area with low intensity of light Area with high intensity of light Light pole Girlande lighting



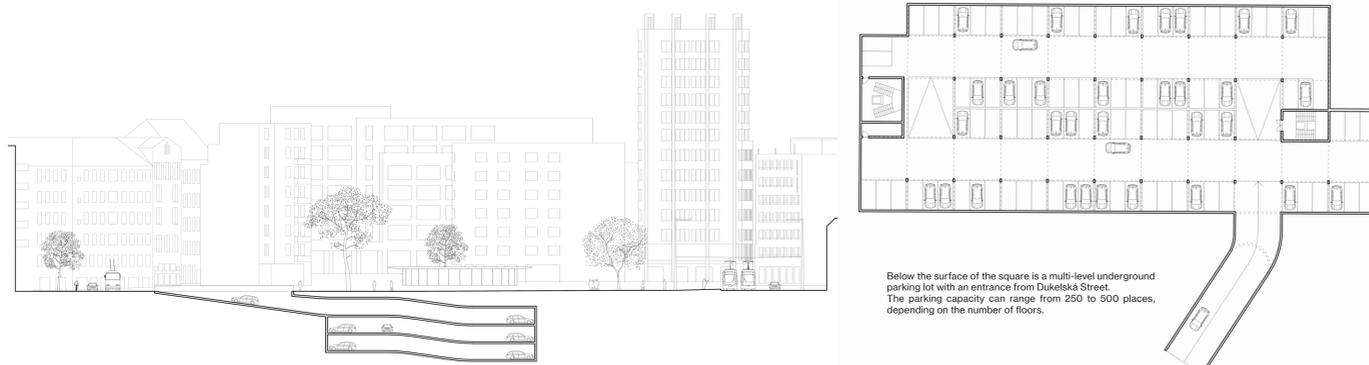
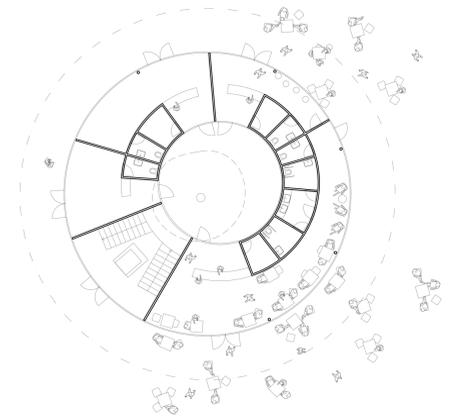
KAMENNE SQUARE / The modern and open space has urban charm. Faster movement is not a problem here. There is a free, multipurpose area in the center of the square. The paving here has a larger scale. At the edges it turns into green areas with groups of trees. New functions are brought into the space by a circular pavilion, forming a typical urban element, formerly common in the streets of Bratislava. A special accent is added by the square fountain made of water jets.



SITUATION OF KAMENNE SQUARE 1:500

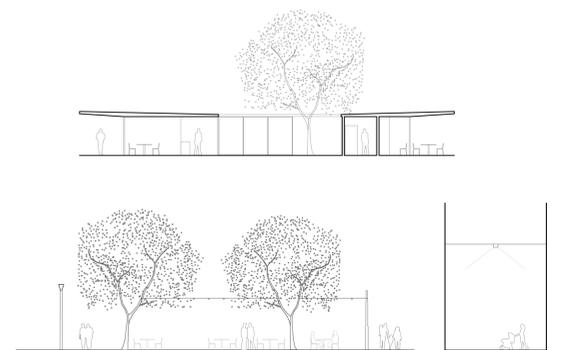


In the pavilion there are cafes, news stands and florists around the perimeter. It also serves as an entrance to the underground parking. A cantilever concrete slab with a green roof provides shade and protection against rain for pedestrian. Inside the floor plan is a small atrium with a tree.



section of Kamenné square 1:500

Below the surface of the square is a multi-level underground parking lot with an entrance from Dukelská Street. The parking capacity can range from 250 to 500 places, depending on the number of floors.



The area of the square is clearly illuminated by spotlights from mast lights.