



Project ACC03012

„The Secondary Technical School- -The School of Healthy Climate“

**Amount of support: € 40,000
of the EEA Grants and state budget SR**

**Adaptation to climate change - flood prevention and drought
„Blue School“**

*Supported by a grant from Iceland, Liechtenstein, Norway.
Co - financed by the State Budget of the Slovak Republic.*

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The Secondary Technical School, Komenského 2, Košice

- The first technical school in Slovakia, founded in 1872
- The oldest school of its kind in Central Europe
- 442 students, 60 teachers and other staff



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Fields of study:

- Engineering - Graphic Systems
- Engineering - transport equipment
- Poly - pilot, flight attendant, steward
- **The environment**

Courses with a vocational certificate:

- Machinery and equipment mechanic
- Programmer cutting and welding machinery and equipment

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Project team

Students of the Department of Environment - 3rd and 4th year

- Design and implementation of project activities

Substantive management:	Financial management:
<p>Ing. Alena Jurčíková</p> <ul style="list-style-type: none">• project Coordinator• publicity manager	<p>Ing. Michal Baľo</p> <ul style="list-style-type: none">• Headmaster
<p>Ing. Paulína Urdová</p> <ul style="list-style-type: none">• expert guarantor of the project• learning tutorials• the teaching of the hours of practice with students of the Department Environment	<p>František Baran</p> <ul style="list-style-type: none">• finance Manager

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Objektív of the project

- Awareness raising and education in the field of adaptation to climate change, the use of rainwater through discussion on each topic with teachers and invited experts
- Create a stimulating environment for a wide range of activities for young people

Target group

- Secondary School Students in Kosice and their parents, school staff
- Pupils of primary schools in the Košice region and their teachers
- The general public

Project partner (s participation in non-financial):

Elementary School Park Angelinum 8, Košice

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The timetable of the project (9/2014 - 7/2015)

- **Autumn, Winter** - education pupils and teachers of the school
 - Training programs for students of all fields of study in our school (lecturer Ing. Urdová)
 - Design and design adaptation measures - 4th year students of the environmental department within the scope of practice (lecturer Ing. Urdová)
- **Spring, Summer** - adaptive measures - 3rd grade students the Department of Environment within the scope of practice (lecturer Ing. Urdová)

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Results of the project

- design and implementation of appropriate measures to capture rainfall for climate change adaptation
- pond, rain garden, vertical bringing forth grass, planting trees and greenery, rainwater harvesting in bins
- creating a natural "eco-classroom"
- innovation school program, where it will be included learning about climate change and measures to prevent the impact of these changes on our lives
- promotion of curricula focusing on stormwater management and its link to climate change accessible to elementary and secondary schools
- promotion of realized measures on the internet

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Cooperation

- Parents' Secondary School in Košice
- Class School Board
- Park Elementary School Angelinum 8, Košice
- Slovak Environmental Agency Banská Bystrica
- Východoslovenská Water Company, Inc. Košice
- OZ Sosna

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Activities

The form of the project:

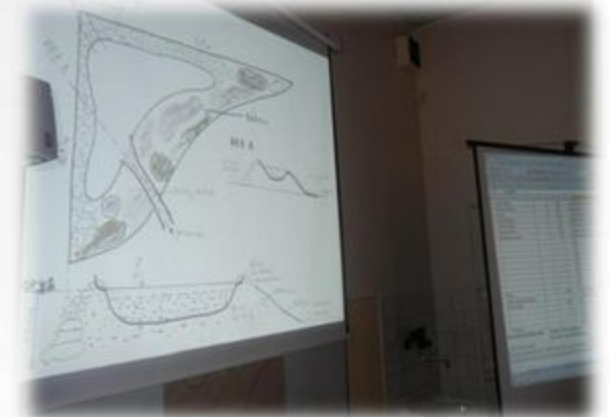
- Students 3rd and 4th year of professional environment
- Within the scope of practice
- During the school year
- There may arise a lot of ideas and innovative solutions regarding the use of rainwater



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Activities (project learning subject practice)

- "Think globally, act locally"
- Teaching about climate change and measures to prevent the impact of these changes on our lives
- The project aims to find possible solutions to the problems outlined in the project
- Result of the project depends on the cooperation of all team members
- The responsibility for each student entrusted tasks
- experience teaching



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Activities (September, October 2014)

- Opening Conference
- Teacher Education School - Innovation School education plan
- Visiting a partner school



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Activities (Autumm, Winter 2014)

- Education educational programs for students of all fields of study and school teachers (lecturer Ing. P. Urdová)



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Activities (December 2014)

- Information activities for the public on the implementation of our project



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Activities (February 2015)

- **Aquamania - regional competition for primary schools in the Košice region**
- **5th year under the auspices of SEA Banská Bystrica**
- **25 registered teams**
- **theme: “Efficient use of water”**



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Activities (April 2015)

- Photo Competition
- Competition for the logo project
- peer education



Planned activities:

- Removal of asphalt, concrete
- Return greenery, ponds, flower beds
- 5th Annual Music Festival „**Blue School Fest**“



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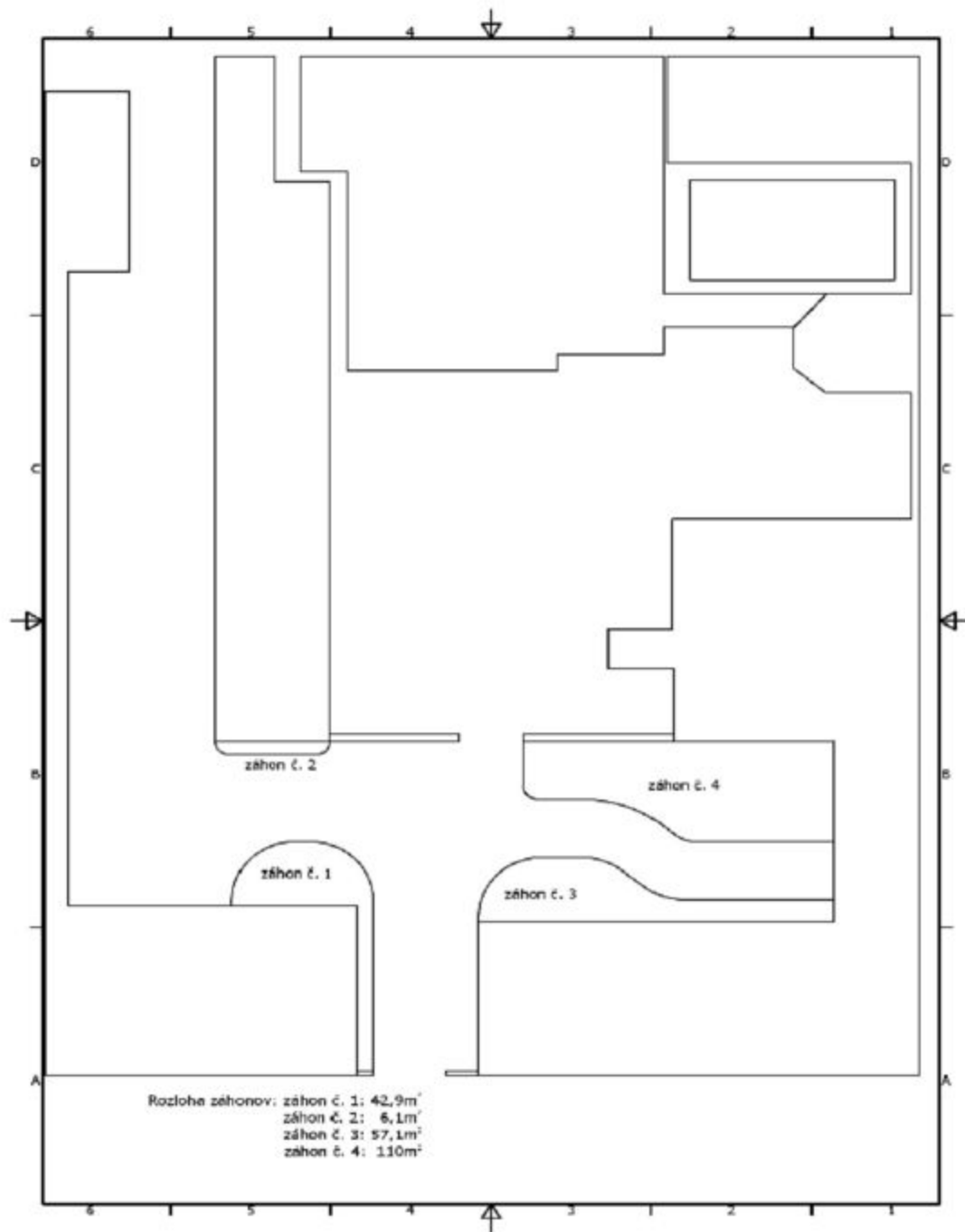
Peace Marathon Square, the historic city center Košice

- increased dust, noise, lack of greenery
- campus consists mostly of concrete and asphalt surface
- missing the opportunity of penetrating or evaporation of water from the open area or through vegetation

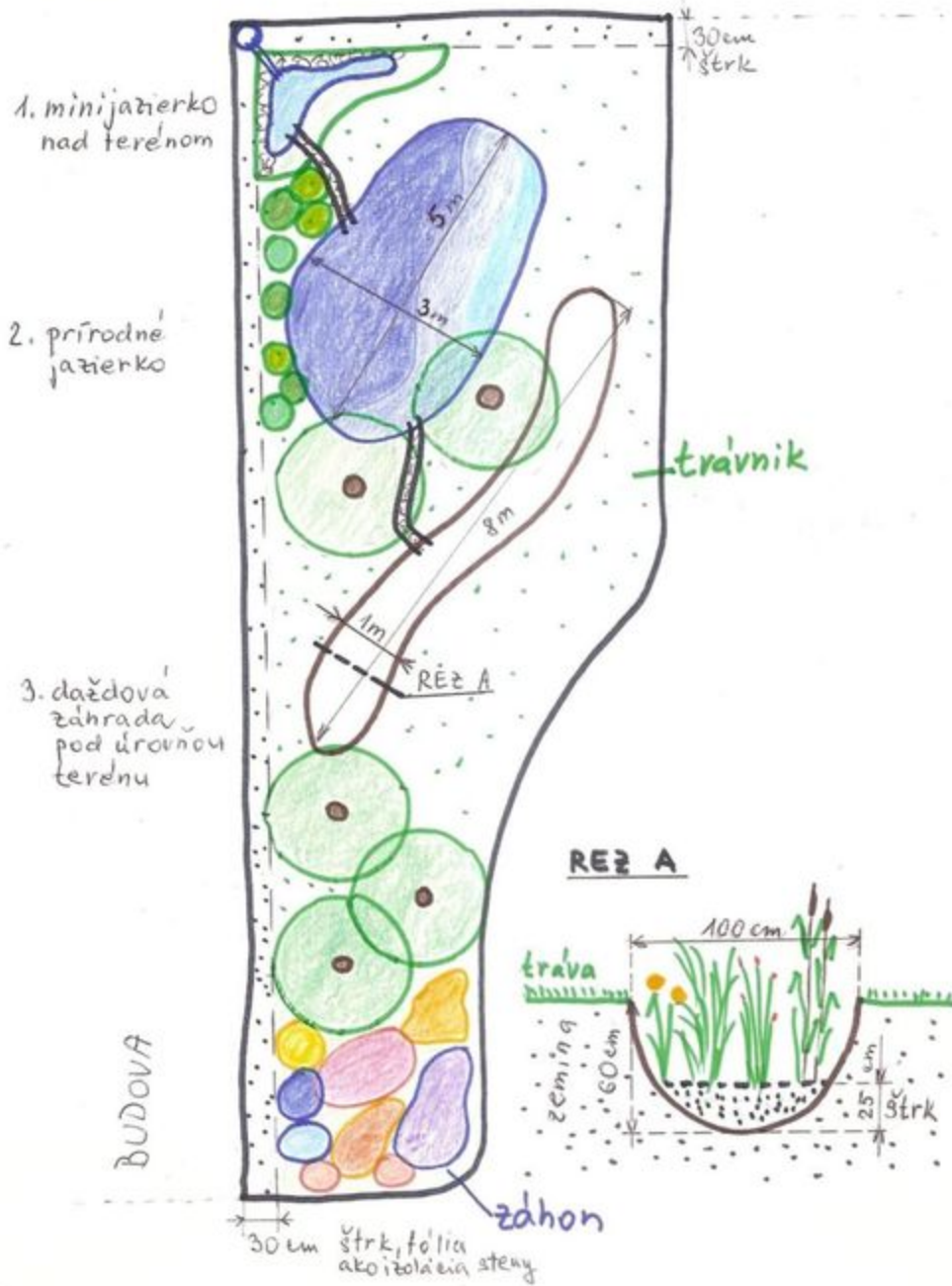


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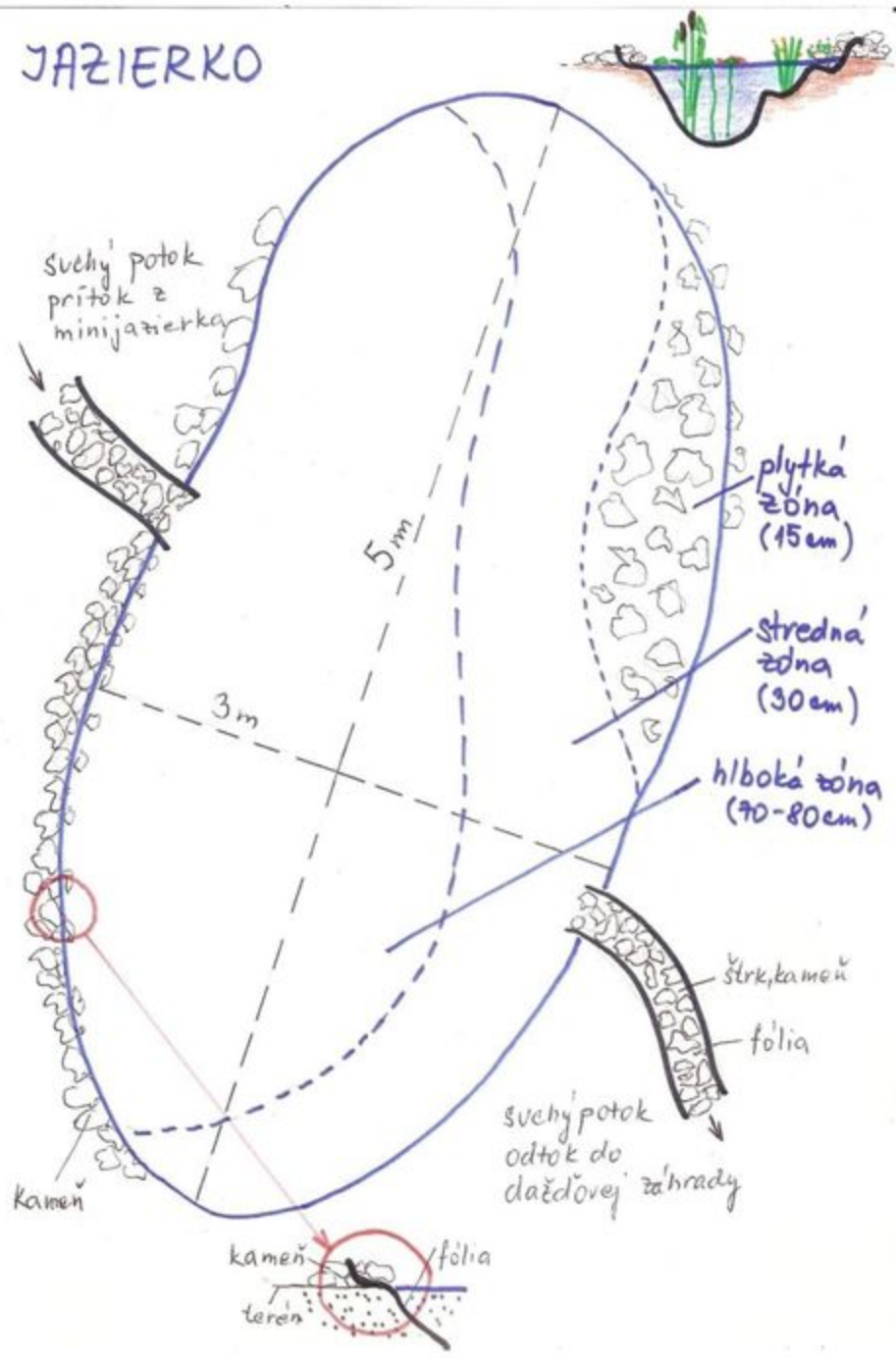
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ZÁHON č. 4 - tri stupne zachytenia vody



JAZIERKO



Minijazierko

odkvap

3,5 m

REZ A

2,5 m

záhon

REZ A

úroveň terénu

suchý potok

jazierko

suchý potok

jazierko

Pôdorys

50 cm

30 cm

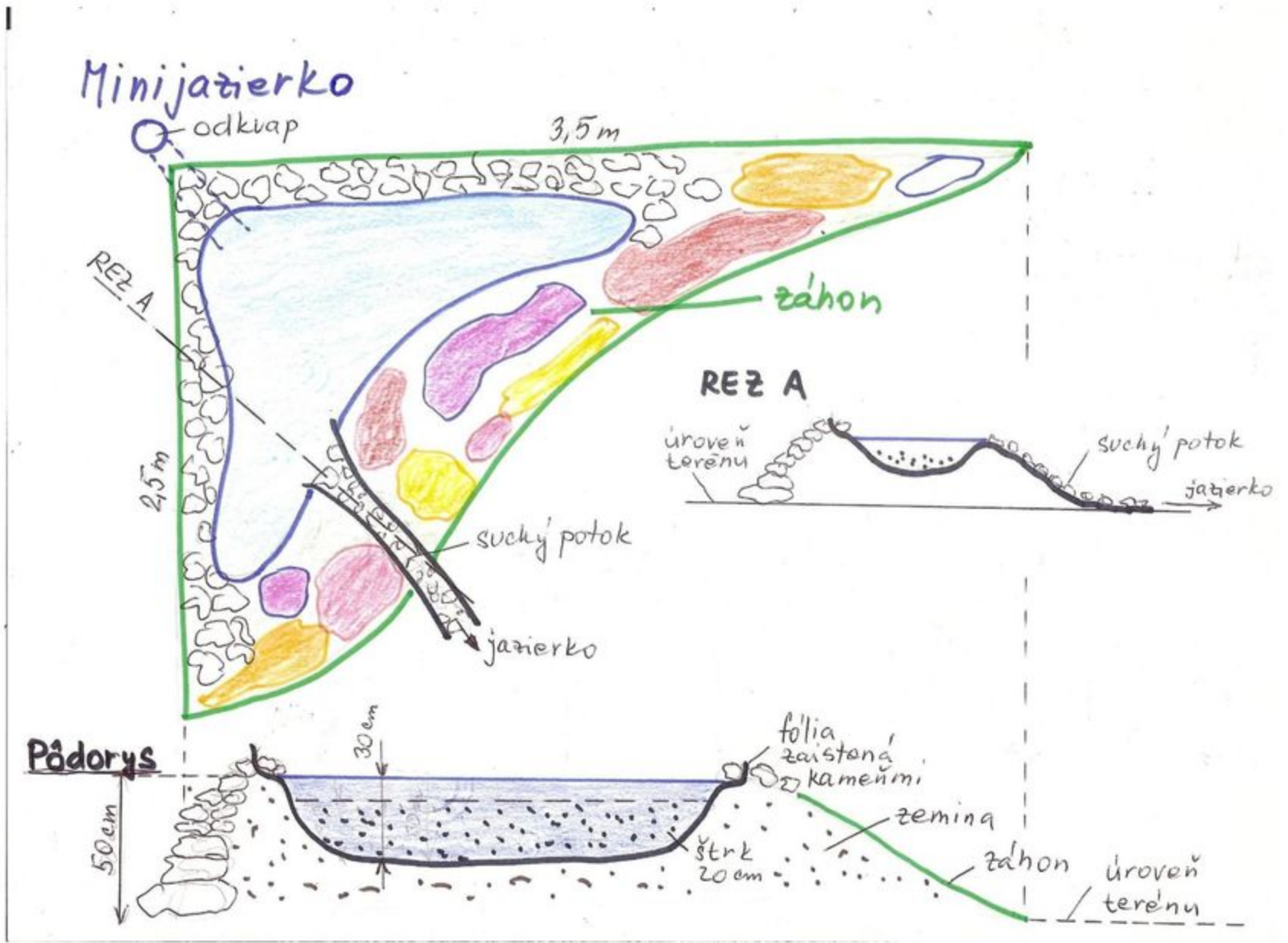
folia zaistovaná kameňmi

zemia

štrk 20 cm

záhon

úroveň terénu





Proper management of rainwater

- Retain rainwater where it fell, prevent or reduce its drain into the sewer
- Retain it as long as possible in collecting basins, ponds, wetlands, zasiakavacích strips
- Of water in urban areas has the effect of flood areas in lower reaches of the river
- Ponds with a larger volume of water mitigate the impact of climate change

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Blue School

- Students implement ideas and solutions using rainwater
- An opportunity to put their theoretical knowledge about climate and the environment right on the school grounds
- Natural "eco - classroom"
- The application of knowledge and skills in practical life
- Students and adults accept responsibility for the area immediately see the impact of their decisions

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The uniqueness of our project

Replacement of asphalt ...

... And the return of green

The school is located in the historical center ...

... And it deserves our respect

At school it can study the environment ...

... He taught largely theoretically

A unique opportunity to learn how ...

... May affect the immediate, not imaginary environment in practice

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Thank you for attention



Lenka Zbojovská



Ing. Alena Jurčíková, project Coordinator



Lukáš Bartko

Students of the Department of Environment

Secondary technical school

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