



**AGENCIJA ZA RAZVOJ
OPŠTINE KNJAŽEVAC**

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BANJICA

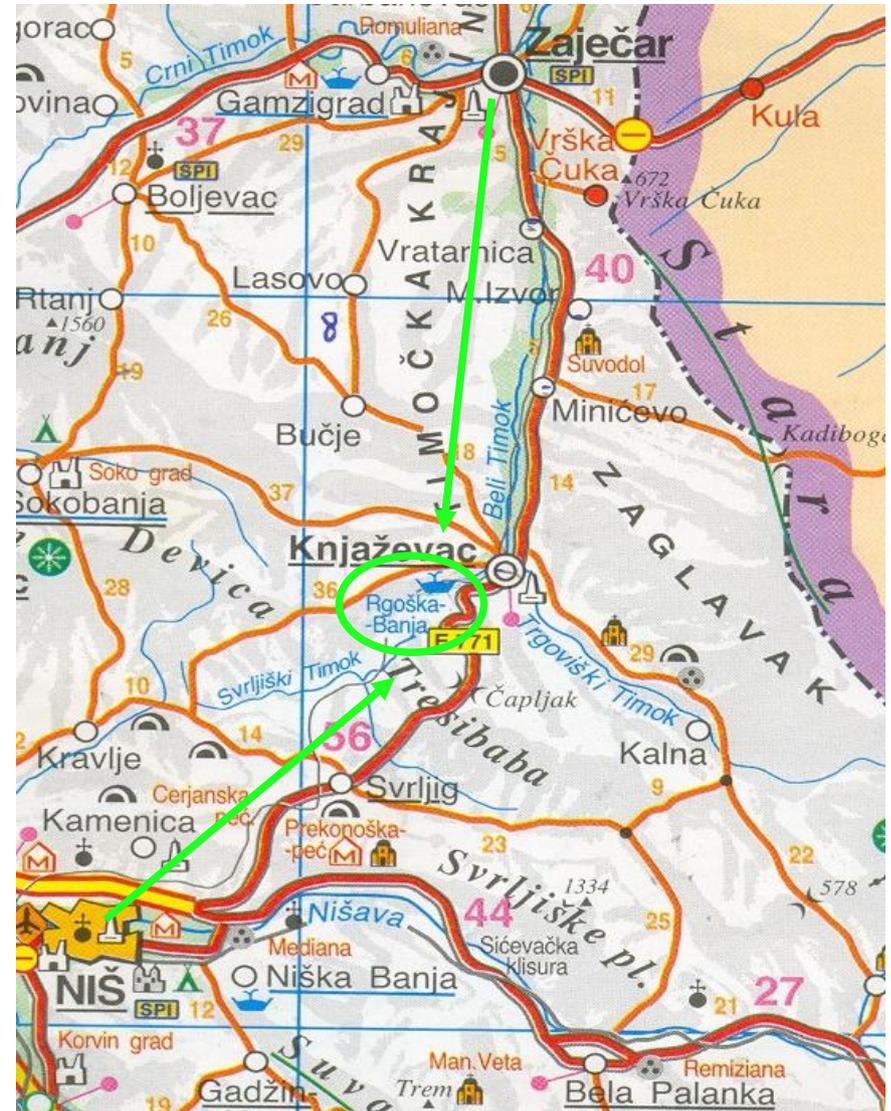
Sports, recreation and spa centre

Detailed Regulation Plan

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Location of Banjica

- Banjica is 285 km away from **Belgrade**.
- It is 150 km away from **Sofia**.
- It is 60 km away from **Niš**.
- It is 42 km away from **Zaječar**.



Banjica

- The source is located 5 km southwest of Knjaževac
- At the foot of the mountain Tresibaba (787 m)
- On the bank of the Svrljiški Timok
- Proximity to the M25 trunk road Niš – Prahovo
- Near the village Rgošte, by which the spa is called Rgoška Banja (Spa Rgoška)



Developed capacities



- Olympic pool with thermal water
- Children's pool
- Complex of facilities with dressing rooms, toilet, showers, restaurant
- Outdoor cafe
- Courts for mini soccer, basketball, beach volleyball
- A stone bath with a pool was built around 1910
- Bath built of stone has two small pools (2.5 x 3m) and two bathtubs.
- Bath with a larger pool (5 x 2.5m) was built in 1948

Pool Banjica

- Pool “Banjica” with ancillary facilities and a restaurant is of Olympic size: length 50m, width 25m, depth of 2.2 m to 1.6 m. It has 10 swimming lanes.
- It uses thermal water which is pumped from the water source catchment Banjica.
- Water temperature at the catchment is 30.5 C and 28 C in the pool.
- Overflow type pool is constantly supplied with fresh water, 80.8 l per second.
- Members of Greek national swimming team, swimming club Partizan, Milorad Čavić, Nađa Higl and many others used the pool for their training.



Characteristics and properties of the water:

- The water is odourless and tasteless.
- Water temperature is 27.2 °C, which classifies it in the group of hypothermal waters
- With a pH of 7.1, this water gives a neutral reaction
- It belongs to a group of slightly mineralized, oligomineral waters
- It contains magnesium in the amount of 17.6 mg/l
- It contains fluoride in the amount of 0.2 mg/l
- **It is used for treatment of the following diseases:**
 - Locomotor system diseases
 - Neurological diseases
 - Skin diseases



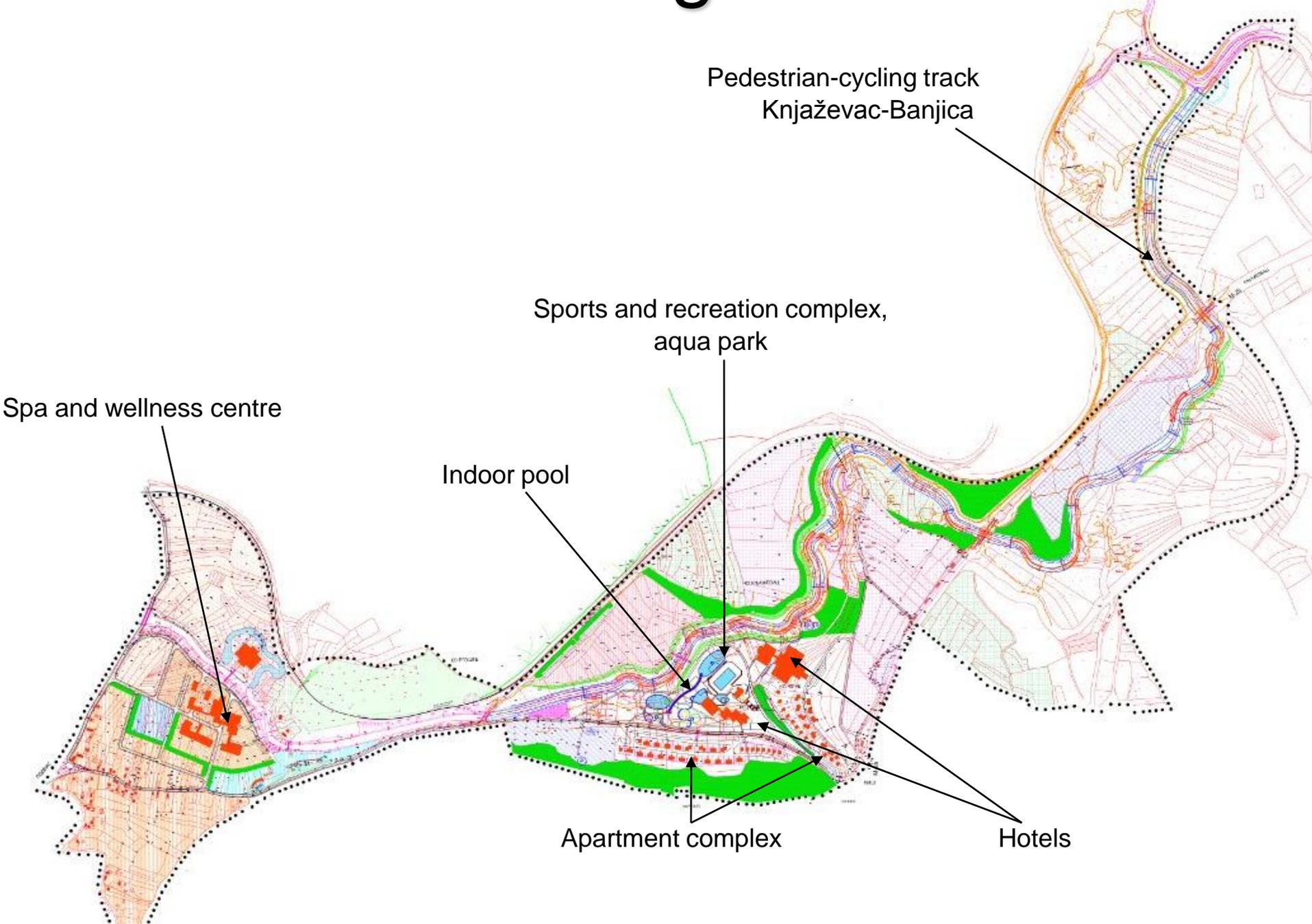
Characteristics and properties of the water :

- Cations: calcium ions 72.64 milival%, magnesium ions 24.15 milival%, calcium ions 2.5 milival%.
- Anions: the most common ions are hydrocarbons.
- Weak electrolytes: metasilicon acid (0.0112) and metaboric acid (0.00012).
- Dissolved gases: the minimum amount of carbon dioxide <0.030 g/l and hydrogen-sulfide 0.00071 g/l.
- Categorization: the tested water from the spring “Banjica“ belongs to the category of calcium-magnesium-hydrocarbonate waters, slightly sulphuric, oligomineral hypothermal waters.

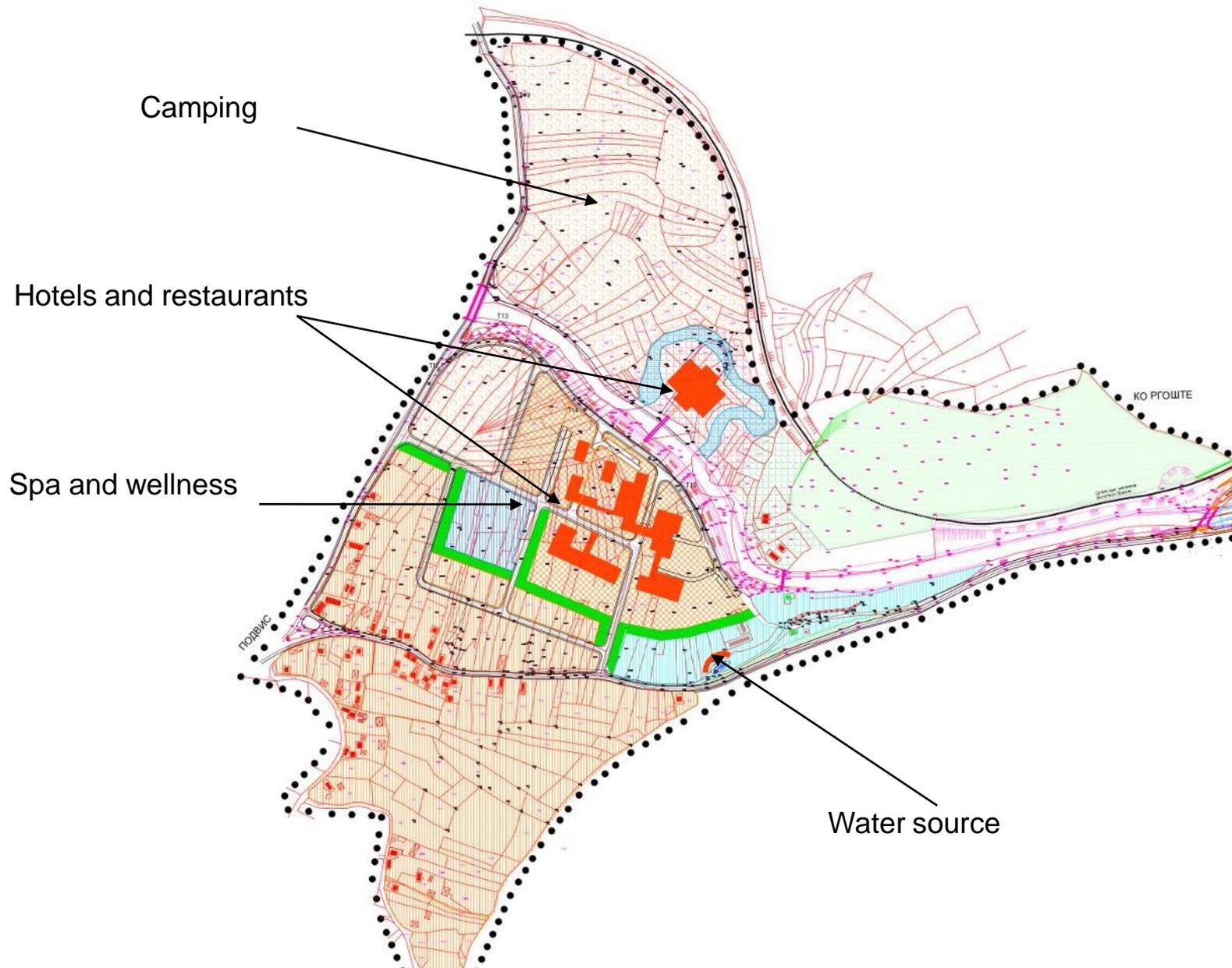
Newly designed sports contents

- sports hall of about 800 m² for 300 visitors
- indoor pool of about 700 m² for 150 users
- sauna, gym, hydrotherapy 500 m² for 75 users
- recreation and water sports facilities
- motel of the capacity of about 160 beds
- sports courts for football, handball, basketball, tennis, mini-golf
- space reserved for an apartment complex 370 beds
- parking lot with 350 parking spaces
- footbridge
- energy block (plant for heating the complex by thermal water, power substation),
- dam with a pedestrian crossing
- Flower production with an exhibition space 600m²

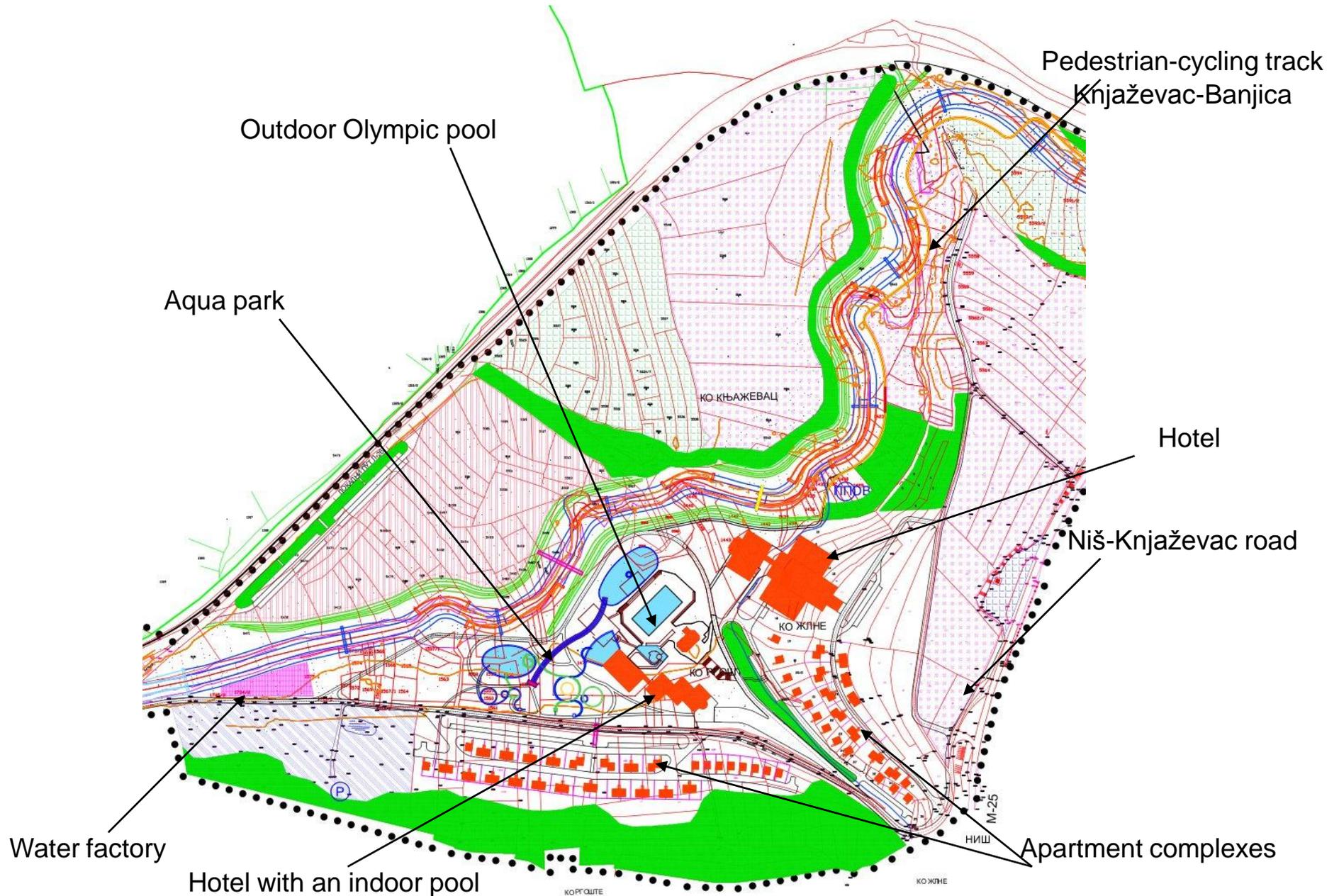
Detailed Regulation Plan



Spa and wellness centre



Sports and recreational complex



3D model of the sports and recreational complex



The structure of land ownership



- The Municipality of Knjaževac owns about 5 ha of land
- Area of the entire complex, foreseen by the plan is about 28 ha



**AGENCIJA ZA RAZVOJ
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