

TEA RUKAVINA

LANDSCAPE
ARCHITECTURE

PORTFOLIO



ABOUT ME

I AM A LANDSCAPE ARCHITECT WHO FINISHED MASTER'S DEGREE IN SEPTEMBER OF 2015. AT THE FACULTY OF AGRICULTURE DEPT. OF LANDSCAPE ARCHITECTURE (UNIVERSITY OF ZAGREB).

DURING THE BACHELOR AND MASTER PROGRAM OF LANDSCAPE ARCHITECTURE, I HAVE GAINED A GREAT KNOWLEDGE ABOUT THIS FIELD OF STUDY. MOREOVER, THROUGH MY VARIOUS COURSE MODULES I HAVE MASTERED THE PROCESS OF FORMING DIFFERENT TYPOLOGIES OF LANDSCAPE STRUCTURES, SUCH AS HOUSE GARDENS, CHILDREN PLAYGROUNDS, PARKS AND RESIDENTIAL ENVIRONMENTS, PUBLIC SQUARES, CEMETERIES, RECREATIONAL AND SPORTS AREAS ETC. FURTHERMORE, I GAINED THE ARTISTIC SKILLS NEEDED TO VISUALIZE THE OBJECTS OF LANDSCAPE ARCHITECTURE.

HOWEVER, THE LOVE TOWARDS ART AND DESIGN BEGAN FROM MY EARLY AGES. I FINISHED TWO ELEMENTARY SCHOOLS (PRIMARY AND MUSIC SCHOOL) AND ATTENDED CREATIVE WORKSHOPS AND ARTISTIC PROGRAMS AT STUDIO TANAY. WITH ALL THAT IN MIND, I CAN SAY THAT I KNEW FROM A YOUNG AGE IN WHICH DIRECTION MY FUTURE PROFESSION WILL GO AND THAT I AM PROUD TO WHERE I HAVE COME SO FAR WITH MY GOALS.

TIMELINE

(2016. - PRESENT.) (2013. - 2015.) (2010. - 2013.) (2008. - 2010.) (2004. - 2008.)

GUARDIAN OF NATURE
(PROFESSIONAL ASSOCIATE)
AT PUBLIC INSTITUTION -
MAKSIMIR, ZAGREB

MASTER OF LANDSCAPE
ARCHITECTURE
(M. SC. LAND. ARCH.)
UNIVERSITY OF ZAGREB,
FACULTY OF AGRICULTURE
DEPT. OF LAND. ARCH.

BACHELOR OF LANDSCAPE
ARCHITECTURE
(B. SC. LAND. ARCH.)
UNIVERSITY OF ZAGREB,
FACULTY OF AGRICULTURE
DEPT. OF LAND. ARCH.

UNIVERSITY OF SPLIT, FACULTY
OF ECONOMICS, ZAGREB

VII. KRIZANICEVA GIMNAZIJA
(HIGH SCHOOL), ZAGREB

FOREIGN LANGUAGES

ENGLISH (ACTIVE):

- ELEMENTARY SCHOOL
- HIGH SCHOOL
- UNIVERSITY

GERMAN (PASIVE):

- HIGH SCHOOL
- COURSE

CERTIFICATES

VODNIKOVA - CENTER FOR

FOREIGN LANGUAGES

- A1, A2 (CEF), GERMAN LANGUAGE

MUSIC SCHOOL ELLY BASIC

- SECOND ELEMENTARY SCHOOL
(1998.-2004.)

AUTOCAD COURSE

- (PLAVCIC D.O.O. 2015.)

INFORMATIC KNOWLEDGE

AUTOCAD
ADOBE PHOTOSHOP
ADOBE INDESIGN
ADOBE ILLUSTRATOR
ADOBE PREMIERE PRO
ADOBE AFTER EFFECTS
COREL DRAW
COREL PHOTOAINT
COREL CAD
SKETCHUP (3D)
LUMIONPRO (3D)
ARTLANTIS (3D)
MICROSOFT WORD
MICROSOFT EXCEL
MICROSOFT POWERPOINT
ARCGIS

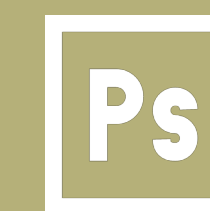
LEGEND



AUTOCAD



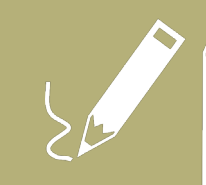
CORELDRAW



PHOTOSHOP



SKETCHUP



DRAWING



LUMION PRO



ARCGIS



PHOTOGRAPHY

WORK EXPERIENCE

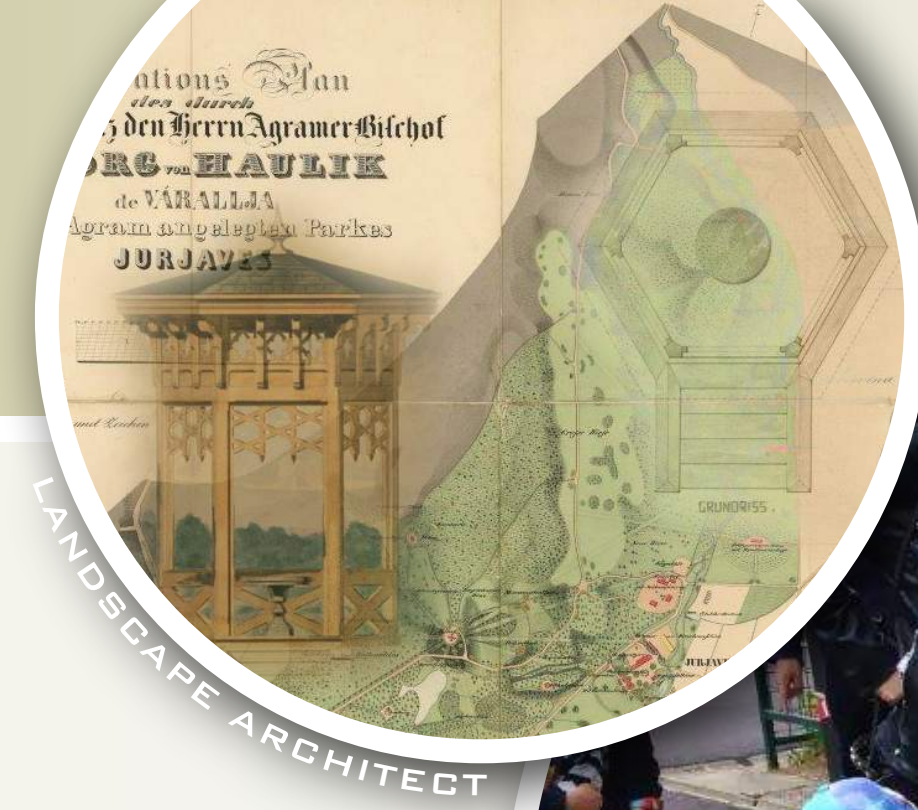
JOB DESCRIPTION:

GUARDIAN OF NATURE (PARK RANGER)

PROFESSIONAL ASSOCIATE AT
PUBLIC INSTITUTION - MAKSIMIR,
ZAGREB

(2016. - PRESENT)

INSTITUTION'S ACTIVITIES ARE PROTECTION, MAINTENANCE AND PROMOTION OF PARK MAKSIMIR, MONUMENT OF PARK ARCHITECTURE WITH THE GOAL OF PROTECTING AND PRESERVING NATURE'S ORIGIN, SECURING UNDISTURBED NATURAL PROCESSES AND SUSTAINABLE UTILIZATION OF NATURAL RESOURCES, AS WELL AS MONITORING MAINTENANCE OF CONDITIONS AND MEASURES OF NATURE PROTECTION.



LANDSCAPE ARCHITECT



ANIMATOR AND EDUCATOR



GRAPHIC DESIGNER



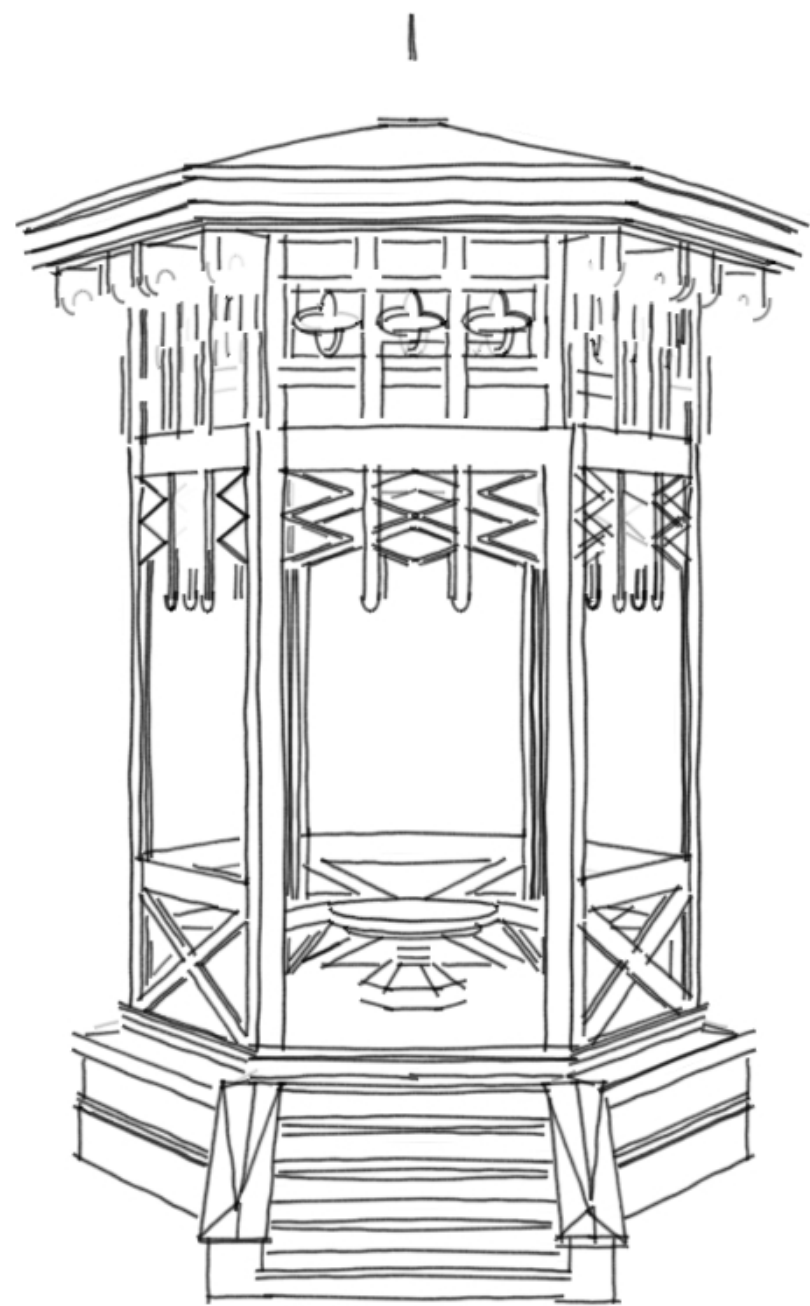
VOLUNTEER COORDINATOR



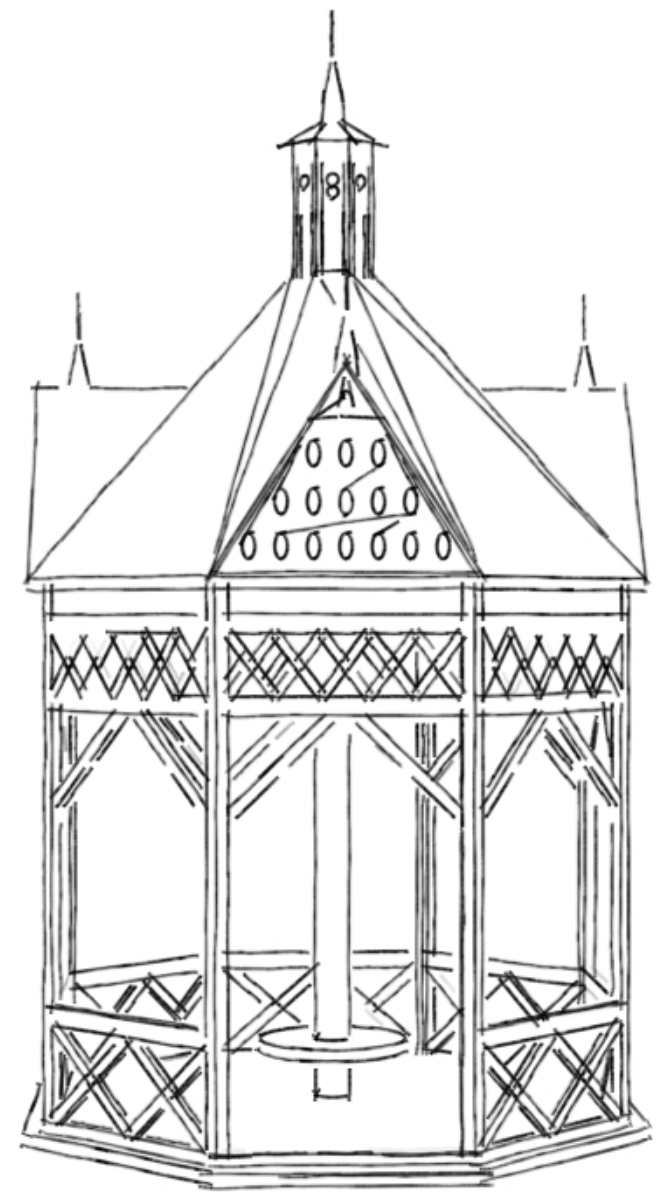
ANIMAL RESEARCHER

“LOOK DEEP INTO NATURE, AND THEN YOU WILL UNDERSTAND EVERYTHING BETTER.”

- ALBERT EINSTEIN



SLAVUJ GAJ



BELLE VUE



LIST OF PROJECTS

SELECTED PROJECTS (UNIVERSITY):

GENERATION OF SHAPES

- FUNDAMENTALS OF ARCHITECTURAL PLANNING (2011./2012.)
- LANDSCAPE DESIGN THEORY (2013./2014.)

ALLEY OF TREES DESIGN

- OPEN SPACE DESIGN 1 (2011./2012.)

CHILDREN'S PLAYGROUND DESIGN

- OPEN SPACE DESIGN 1 (2011./2012.)

RESIDENTIAL SETTLEMENT DESIGN

- OPEN SPACE DESIGN II (2011./2012.)

LANDSCAPE CONSTRUCTION - SEMINAR

- LANDSCAPE CONSTRUCTION (2011./2012.)

PARK DESIGN

- URBAN LANDSCAPE DESIGN (2012./2013.)

OPEN GREEN SPACE DESIGN

- URBAN LANDSCAPE DESIGN (2012./2013.)

REHABILITATION OF GRAVEL PIT

- LANDSCAPE DESIGN - STUDIO II (2013./2014.)

HERBARIUM STORAGE ROOM DESIGN

- PLANT DIVERSITY OF CROATIA (2013./2014.)

SQUARE LANDSCAPE DESIGN

- LANDSCAPE DESIGN - STUDIO II (2013.-2014.)

URBAN SOLUTION OF CITY PROJECT

- URBAN PLANNING (2013./2014.)

SCHOOL OF LANDSCAPE ARCHITECTURE DESIGN

- ARCHITECTURAL DESIGN - STUDIO (2014./2015.)

SPATIAL DEVELOPMENT STRATEGIES

- LANDSCAPE PLANNING - STUDIO (2013./2014.)

EXAMPLES OF PEDESTRIAN BRIDGES IN CROATIA (PROPOSED SOLUTIONS)

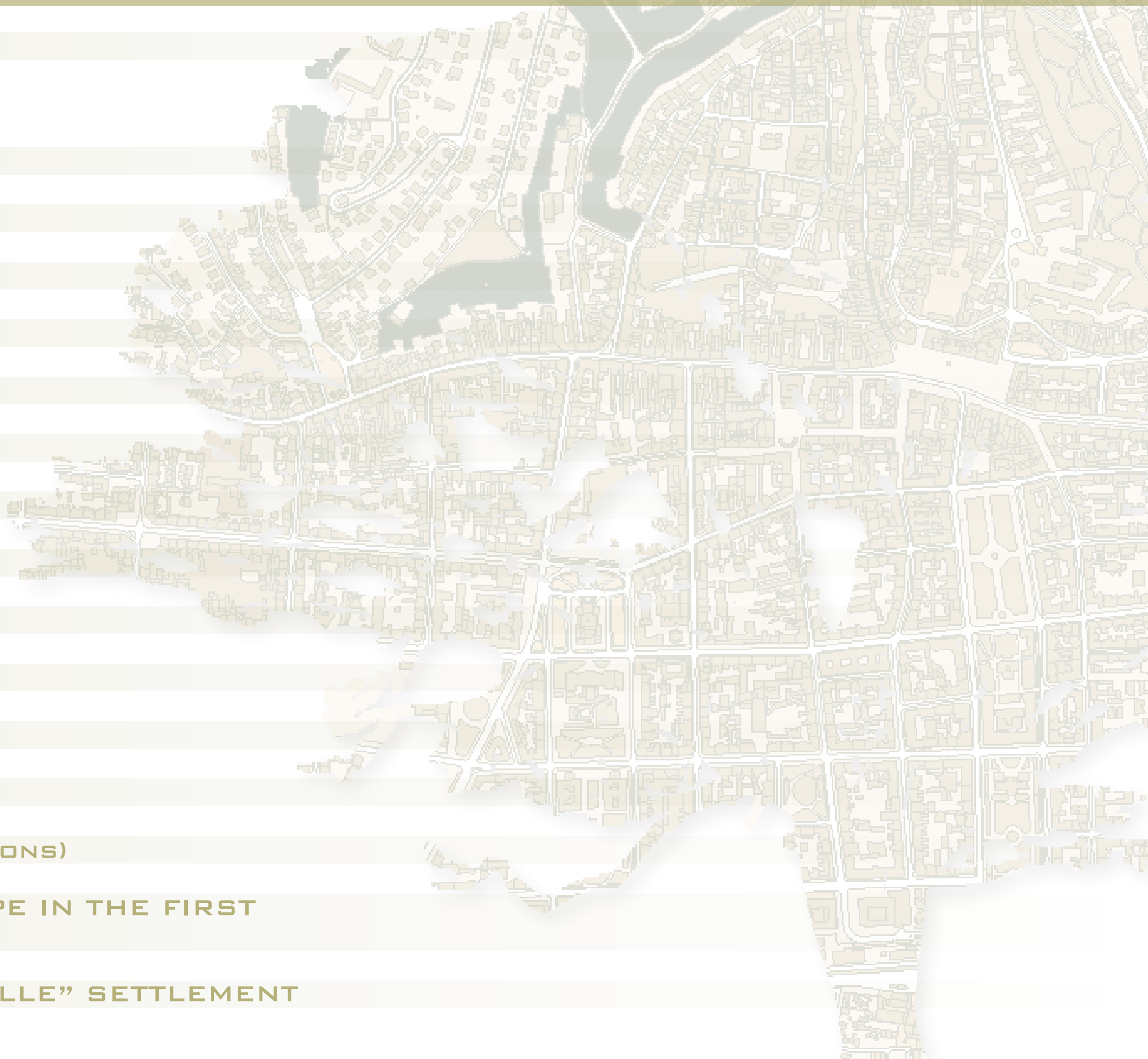
- EXPERT PROJECT (2014./2015.)

RELATIONSHIP BETWEEN URBAN VILLA AND IMMEDIATE LANDSCAPE IN THE FIRST HALF OF THE 20TH CENTURY AND TODAY

- FINAL (BSc) THESIS (2012./2013.)

RELATIONSHIP BETWEEN BUILDING AND LANDSCAPE OF "HOTO VILLE" SETTLEMENT

- DIPLOMA THESIS (2014./2015.)



THE PROCESS OF CREATING

THE GUIDANCE POEM:
MOSS IS GROWING
- A. MACHADO

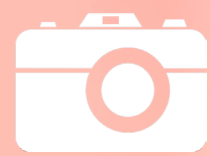
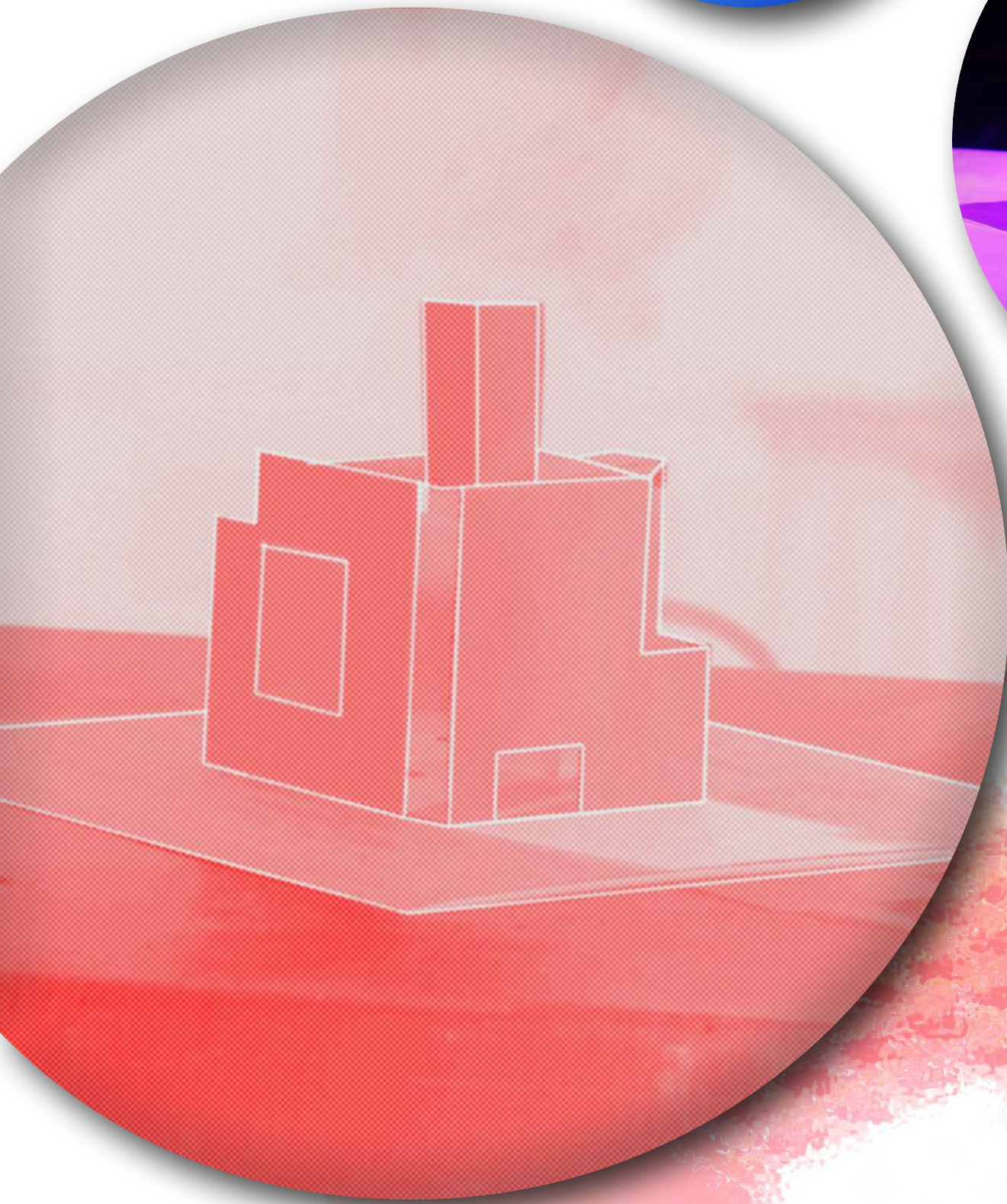
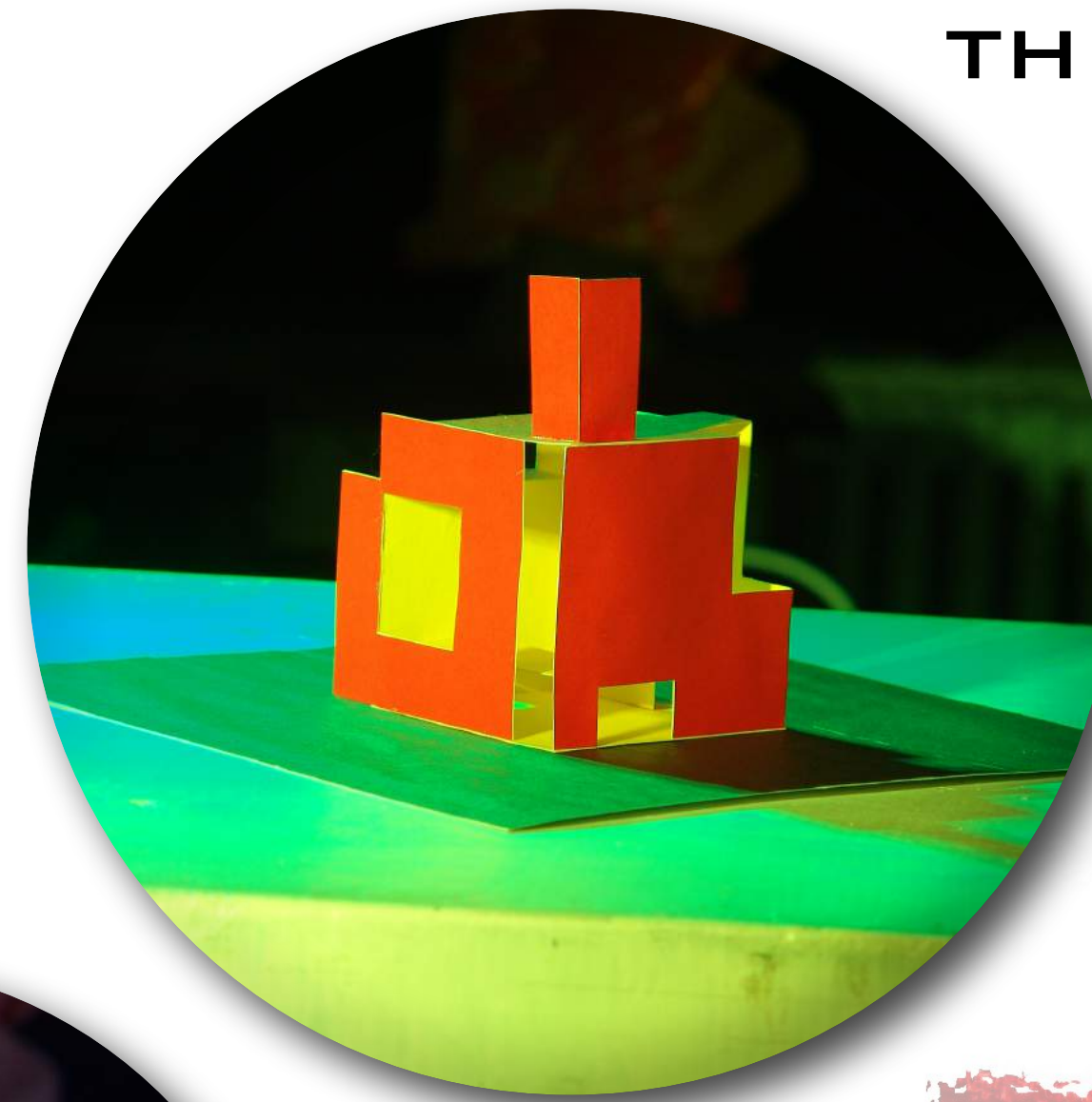
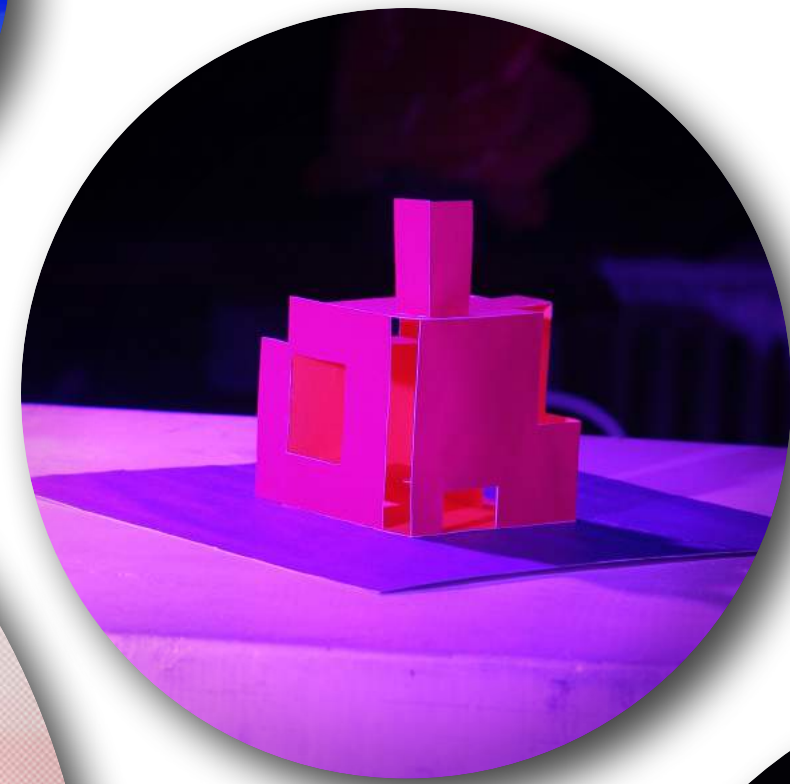
*"Moss is growing in the shadowy plaza
and over the old and sacred stone
of the church. In the portico a beggar...
His soul is older than the church,
On cold mornings he climbs very slowly
up the marble steps
to a stony nook... There his dry hand
appears in the folds of his torn cape,
Through the hollow sockets of his eyes
he has watched below
the white shadows go by on bright days,
the white shadows of the holy hours."*

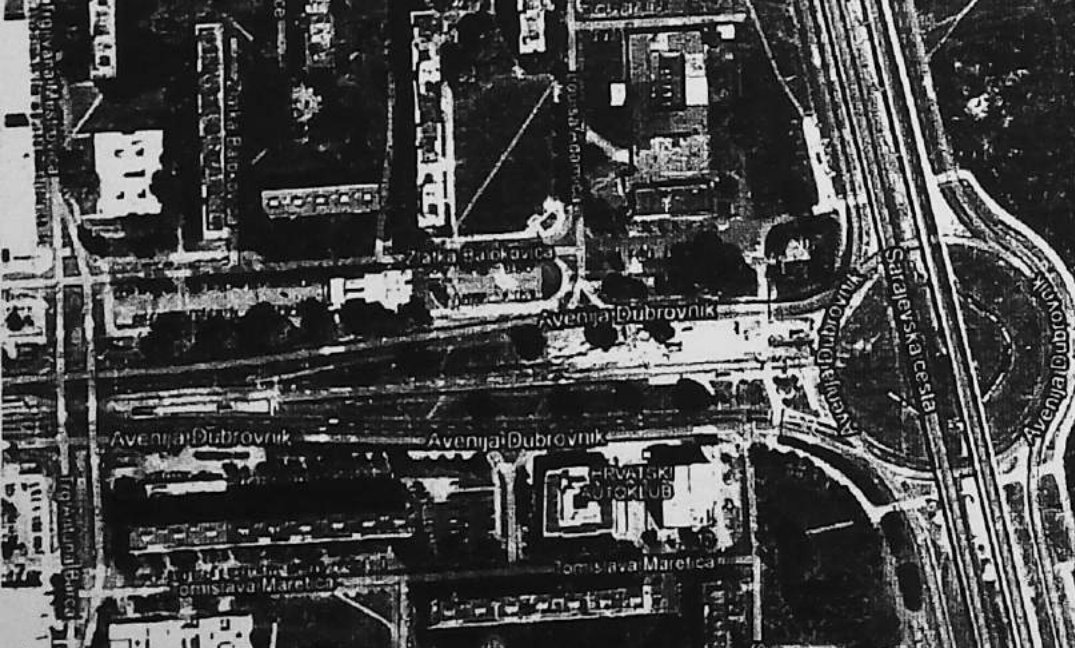
SKETCHING

GENERATION OF SHAPES

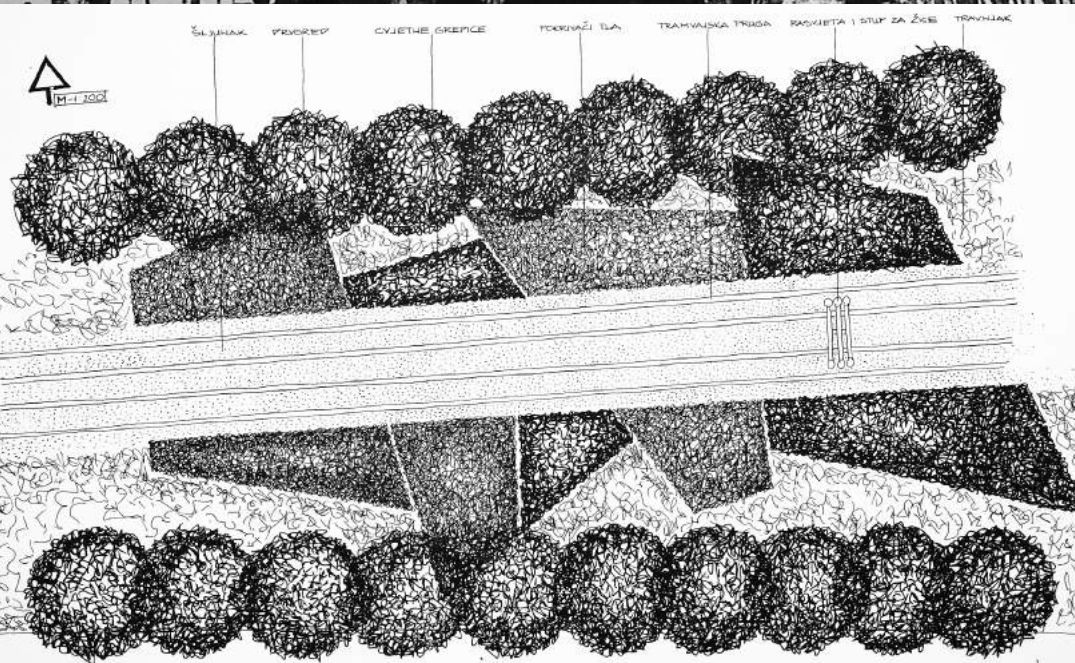
MODEL MAKING

RESEARCH OF COLORS AND LIGHTING





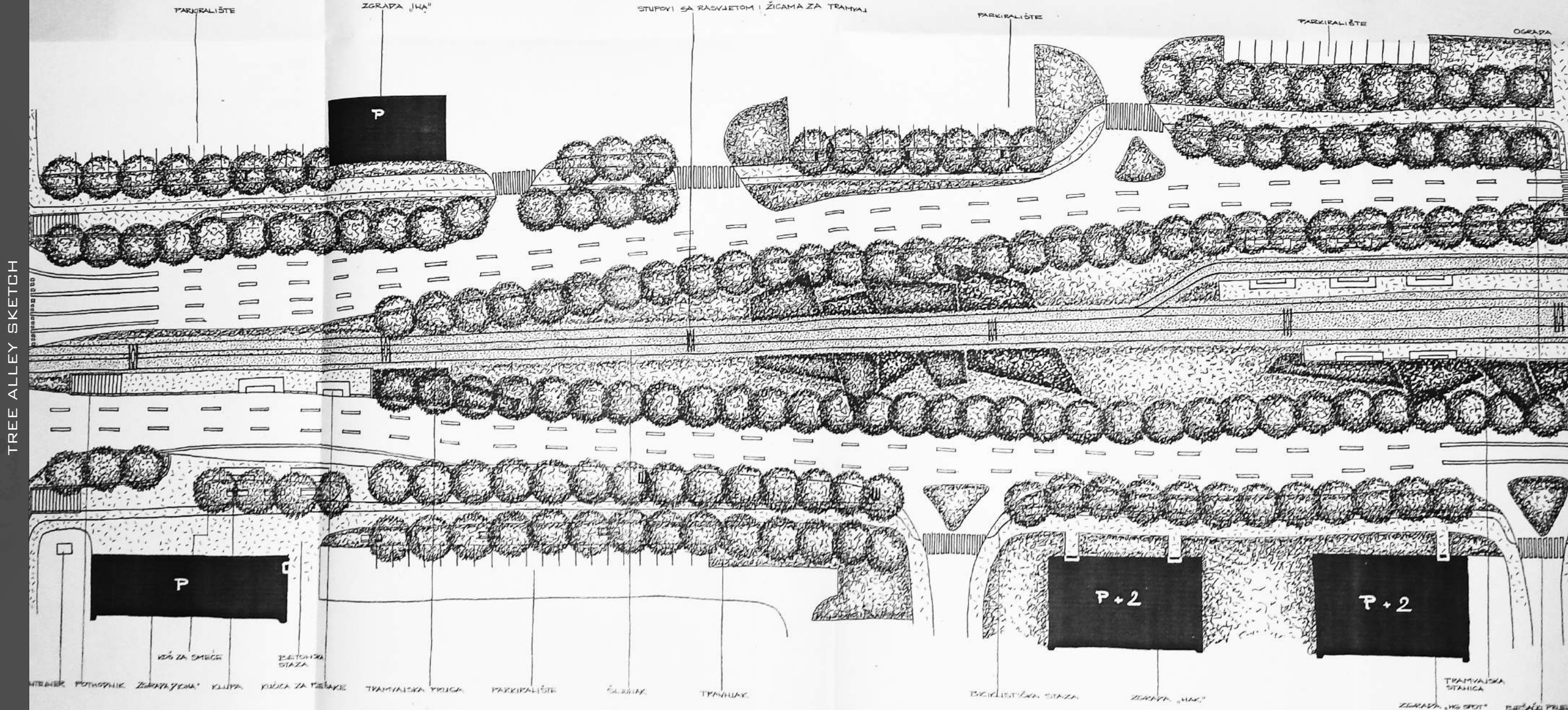
URBANISTIC SITUATION



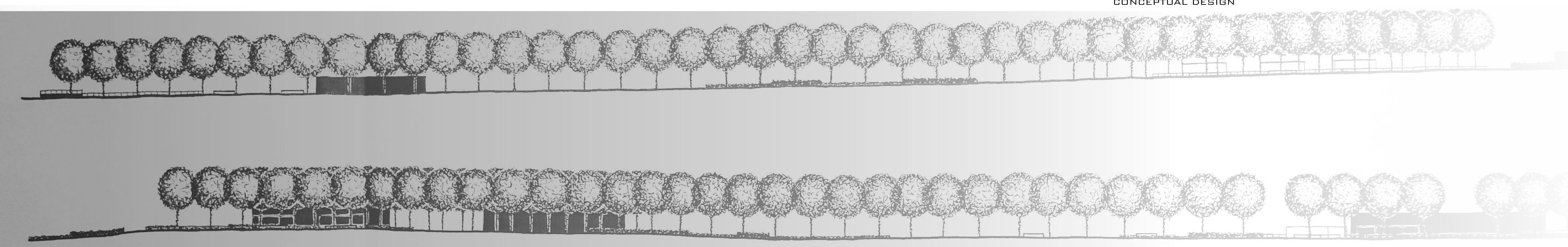
DETAIL OF CONCEPTUAL DESIGN



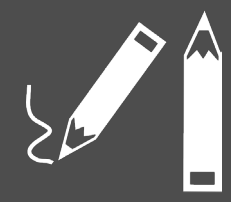
TREE ALLEY SKETCH

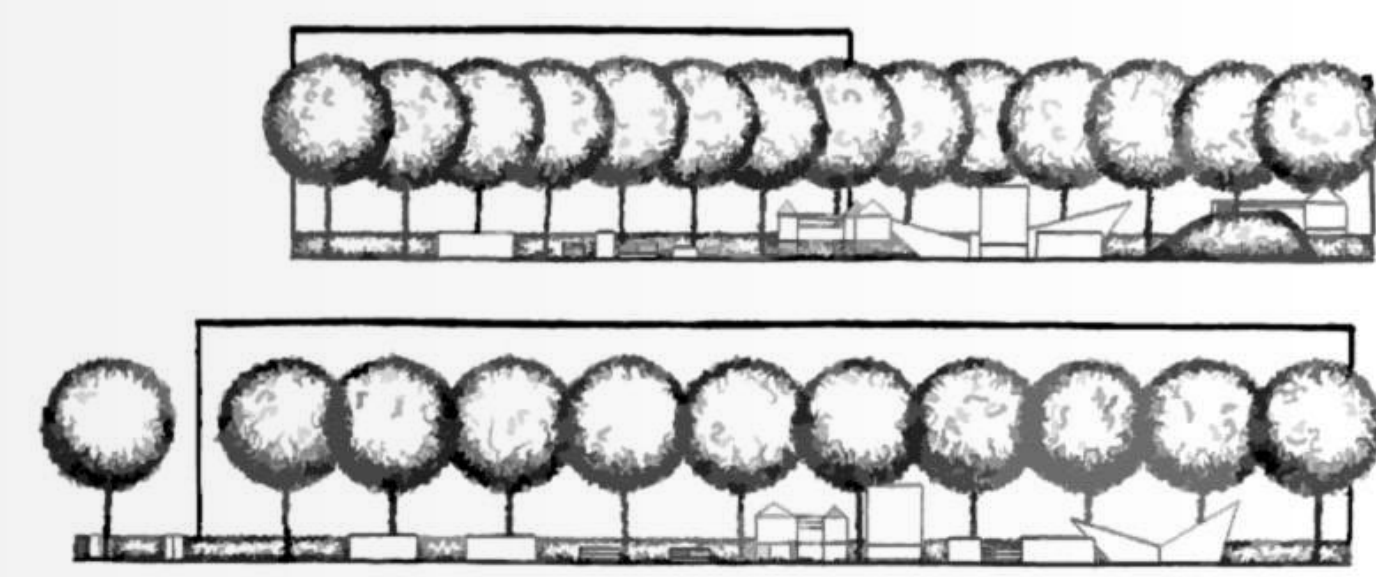
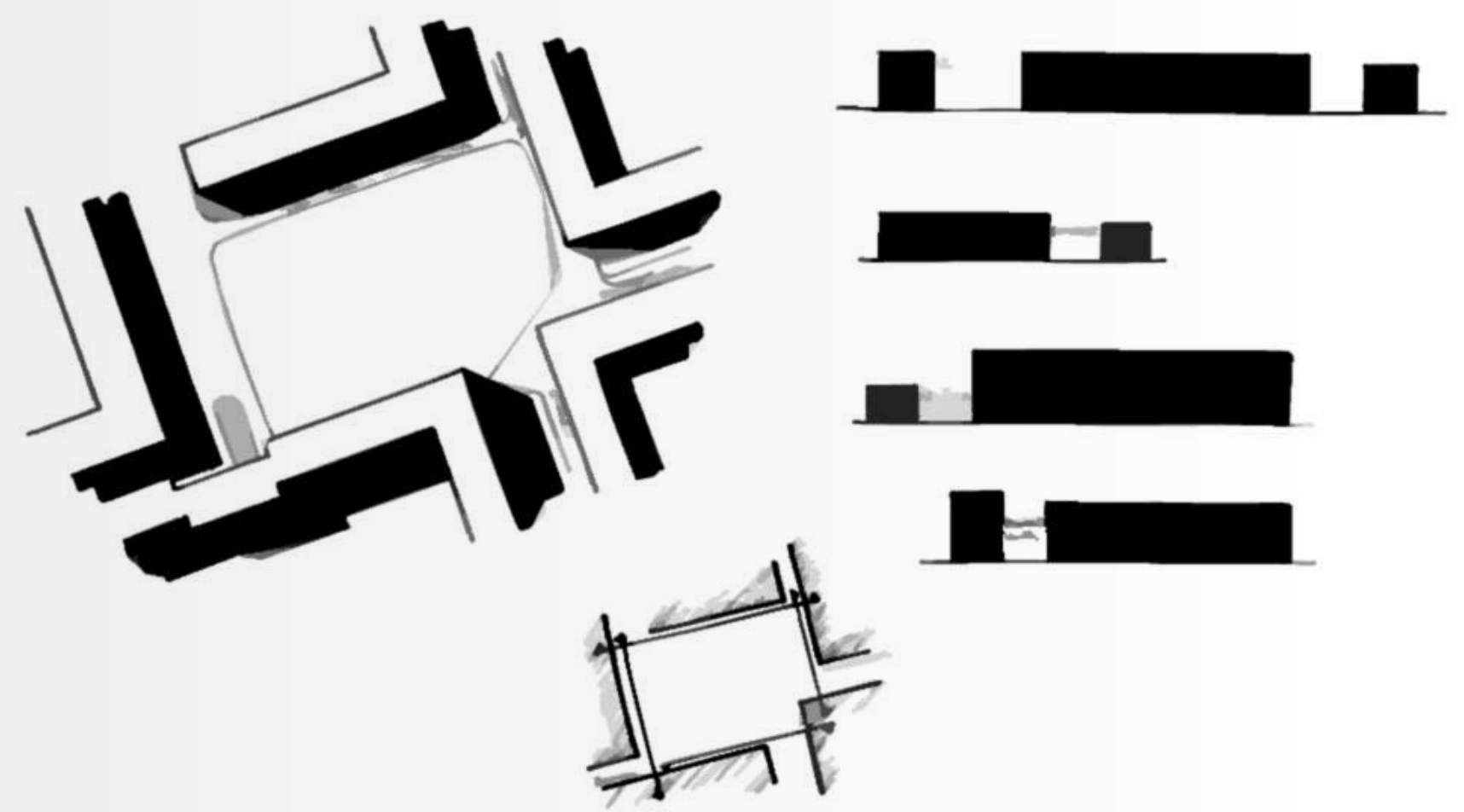
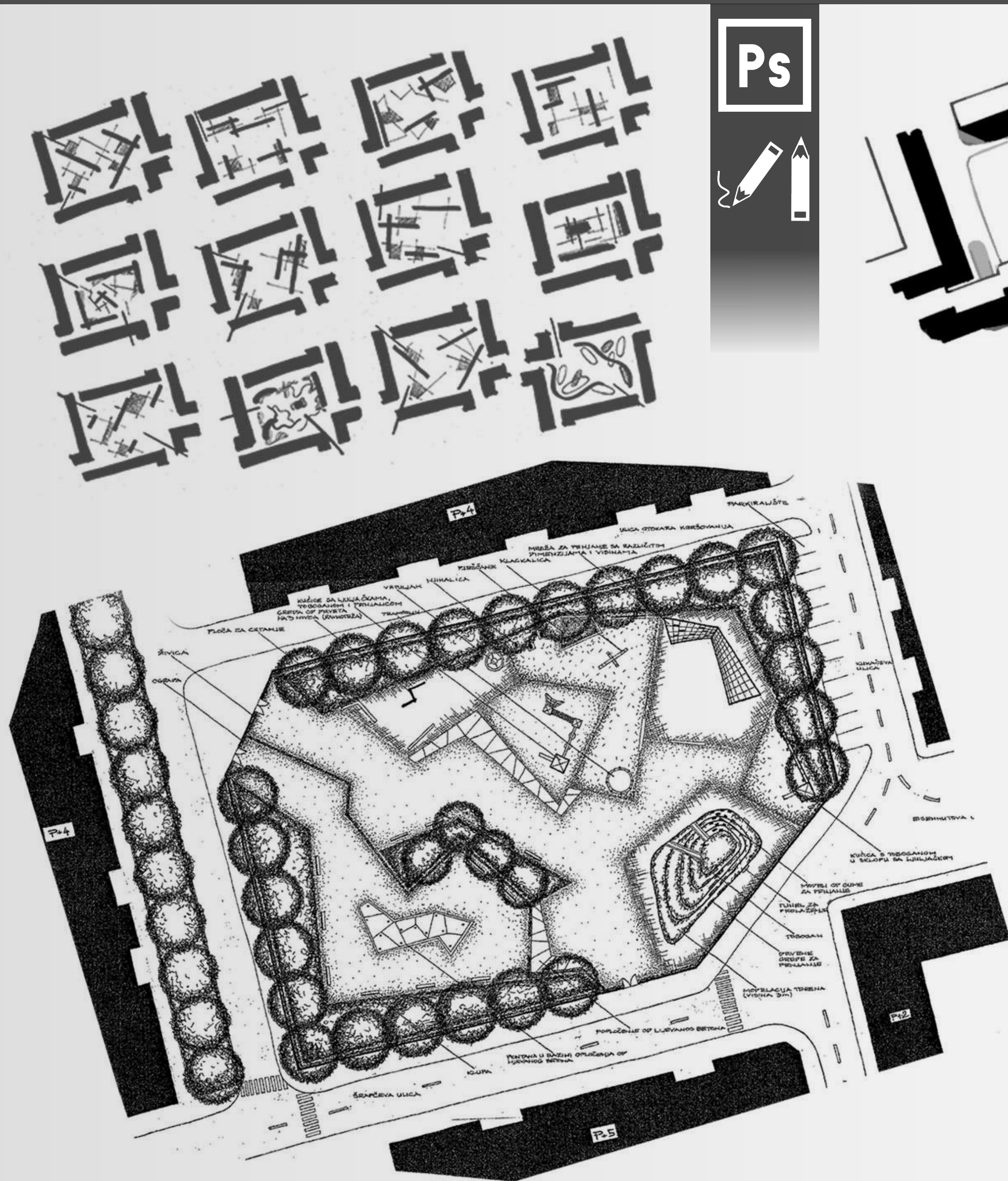


CONCEPTUAL DESIGN



SIDE VIEWS



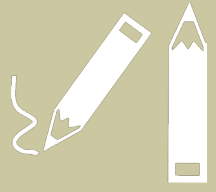


DESCRIPTION OF THE DESIGN

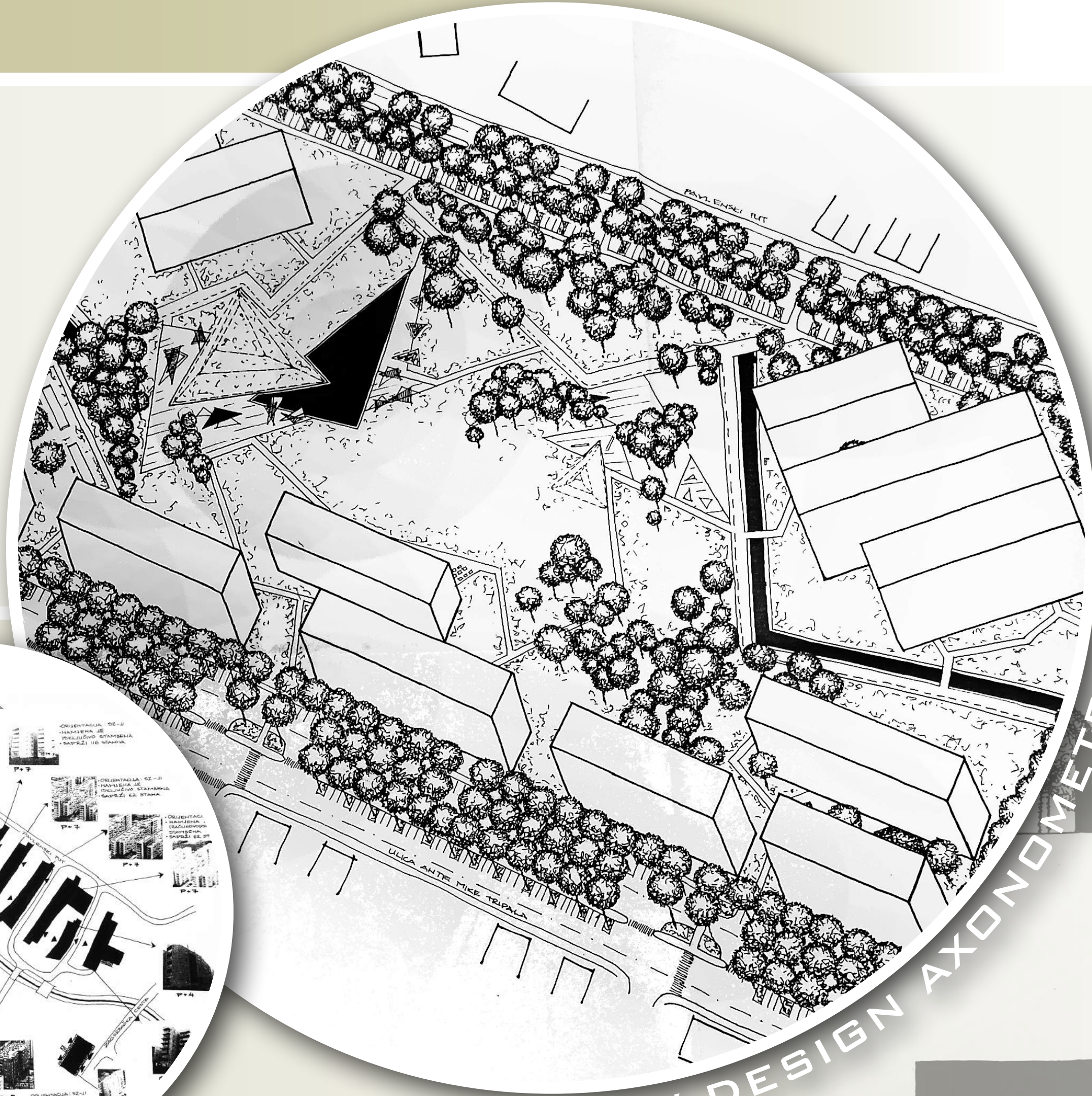
CHILDREN'S PLAYGROUND IS SITUATED AT OTOKAR KERŠOVANIJ SQUARE. IT IS SURROUNDED BY BUILDINGS. ENTRANCES TO THE CHILDREN'S PLAYGROUND AND TO THE RESTING AREA ARE ON THE NORTHWEST AND THE SOUTH. PLAYGROUND IS ENCLOSED BY WIRED FENCE AND HEDGE. THE REASON FOR PROTECTION IS THE VICINITY OF THE ROAD. THE LINE OF TREES IS PLANTED ALONG THE PLAYGROUND TO HIDE UNWANTED VISTAS, PROTECT IT FROM DUST AND NOISE AND TO GIVE SHADES DURING SUMMER TIME.

SOUTHWEST PART OF THE CHOSEN LOCATION IS THE RESTING AREA WITH BENCHES AND INTERACTIVE FOUNTAIN, WHILE THE REST OF THE PLACE HAS A CHILDREN'S PLAYGROUND PURPOSE FOR ALL AGES GROUPED BY THE AGE OF THE CHILDREN.

THE BIGGEST ACCENT IN THIS SPACE IS A TERRAIN MODELATION WITH PLAYGROUND EQUIPMENT WHICH IS GIVING MORE DYNAMICS TO THAT PLACE. ALSO, THERE IS A CLIMBING WEB, SMALL HOUSES WITH SLIDES, TUNNEL FOR INFILTRATION, SWINGS, TRAMPOLINE, CAROUSEL, BOX WITH SAND, TEETER, BALANCE BEAM AND DRAWING BOARD. EQUIPMENT FOR CHILDREN IS PLACED ON MANY DIFFERENT BASES LIKE TARTAN, GRAVEL AND SLICED BARK.



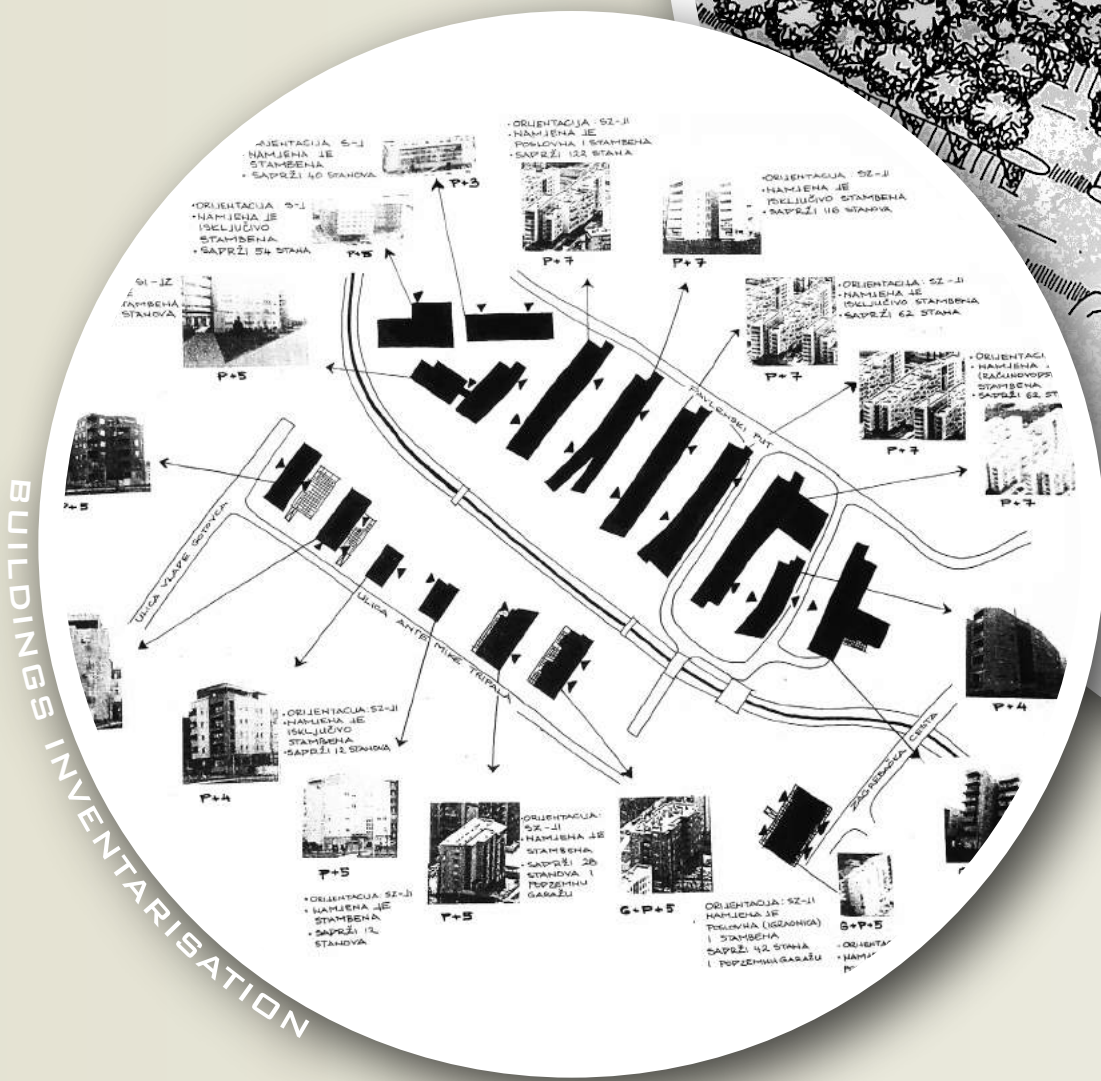
WEST SIDE OF ZAGREB
 -
 VRAPČAK CREEK
 -
 SURFACE 80 000 M²
 -
 MOSTLY RESIDENTIAL
 PURPOSE
 -
 PREFERRED POSITION
 BECAUSE OF SRC JARUN

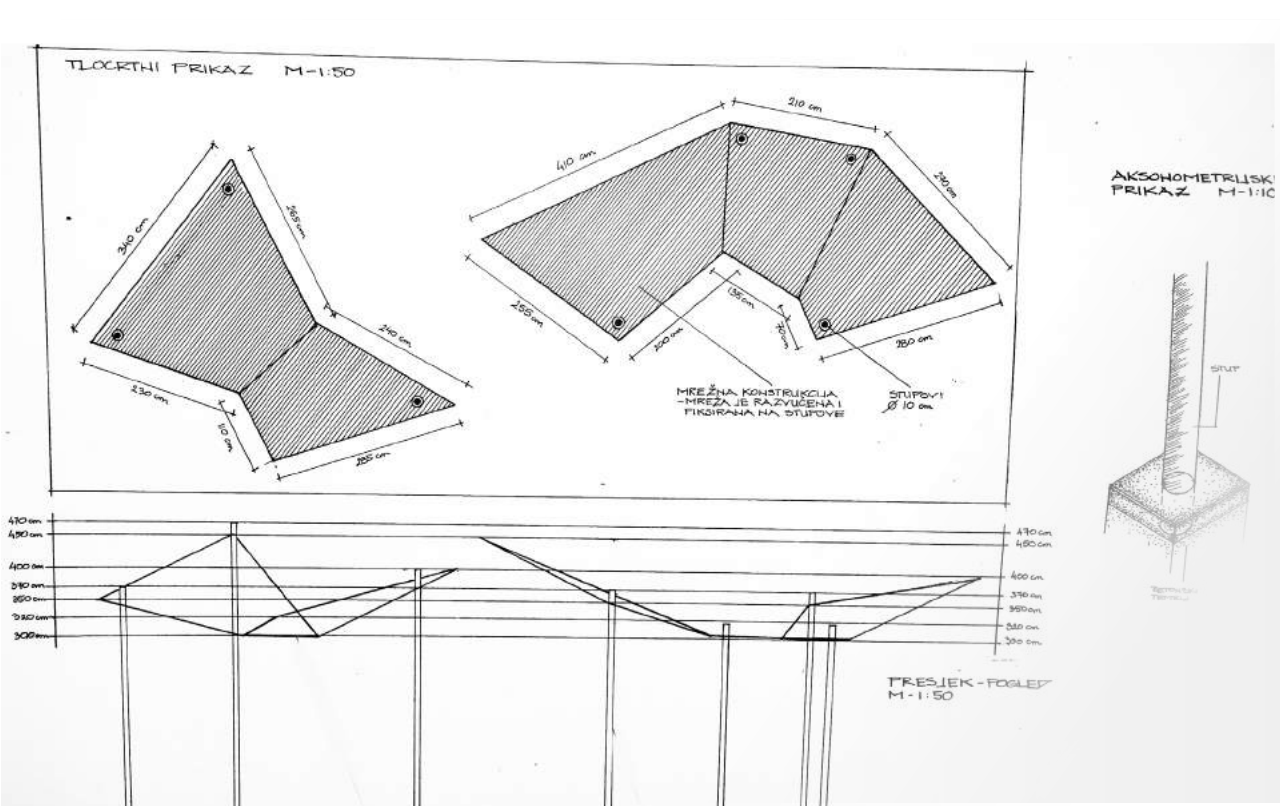
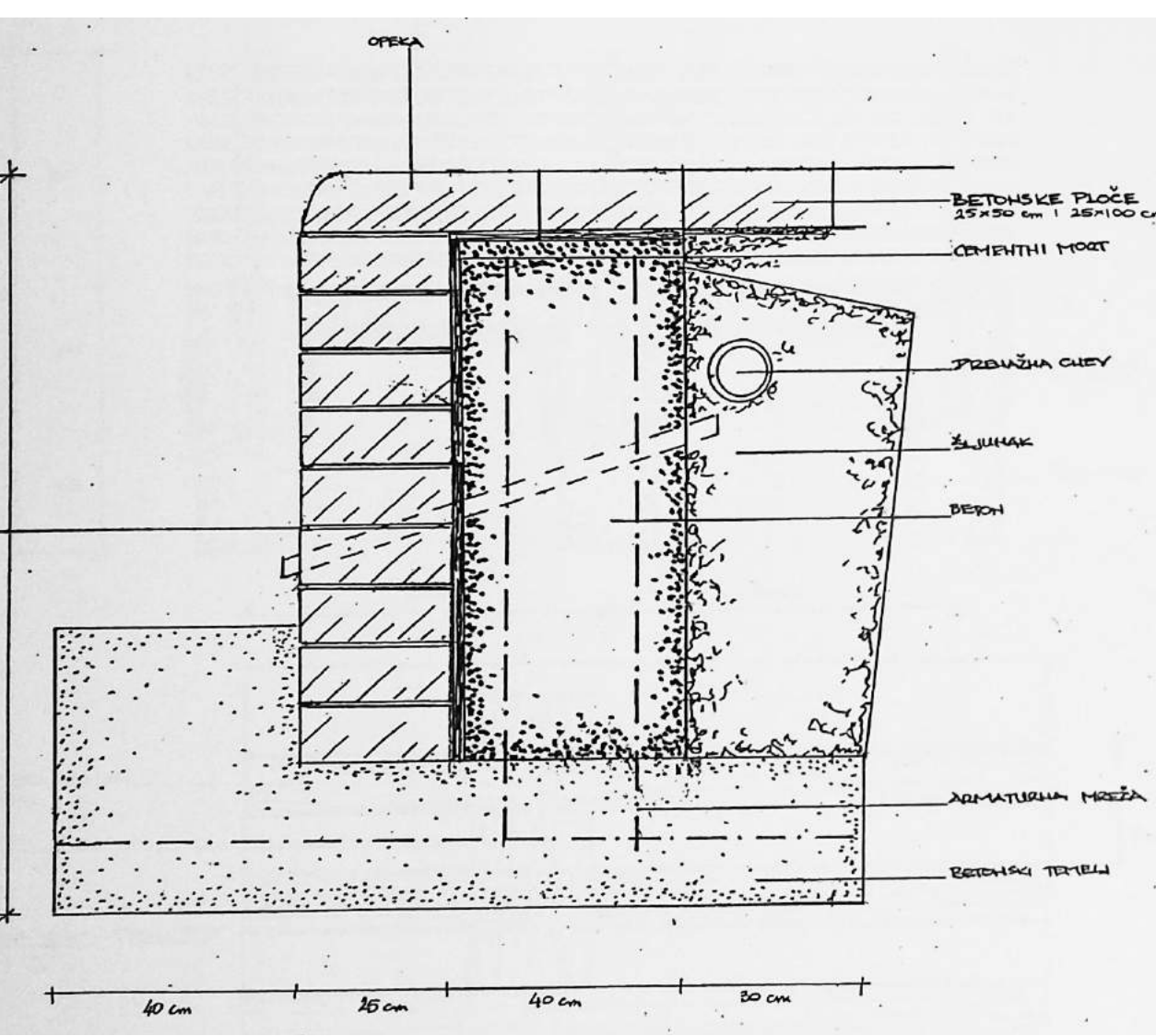
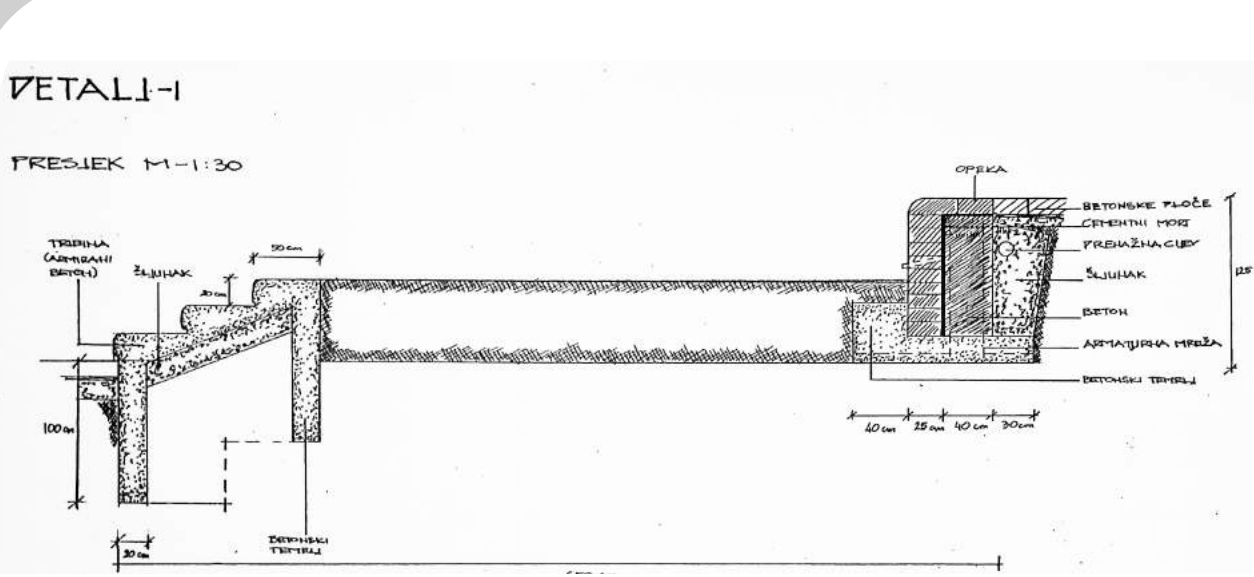
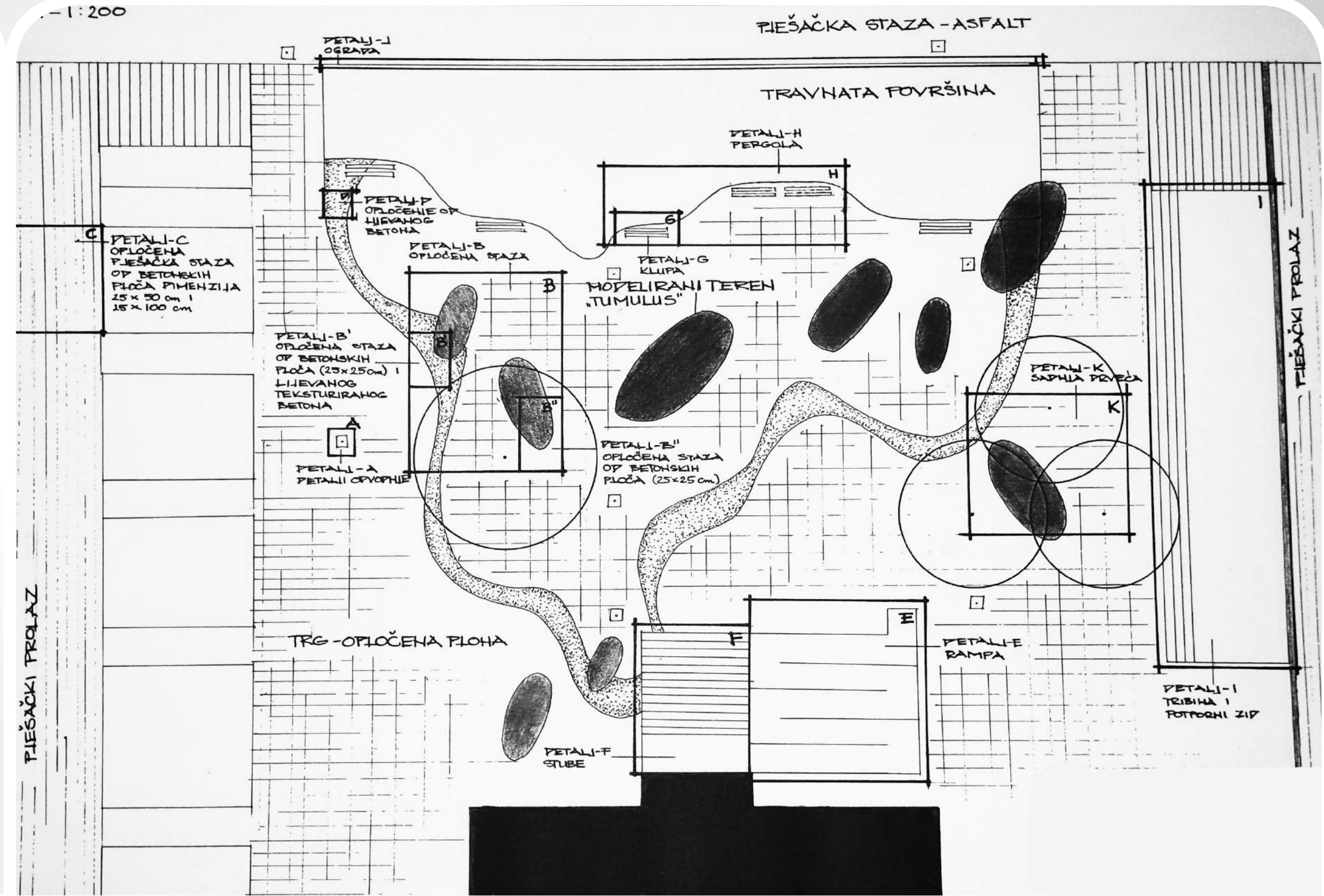
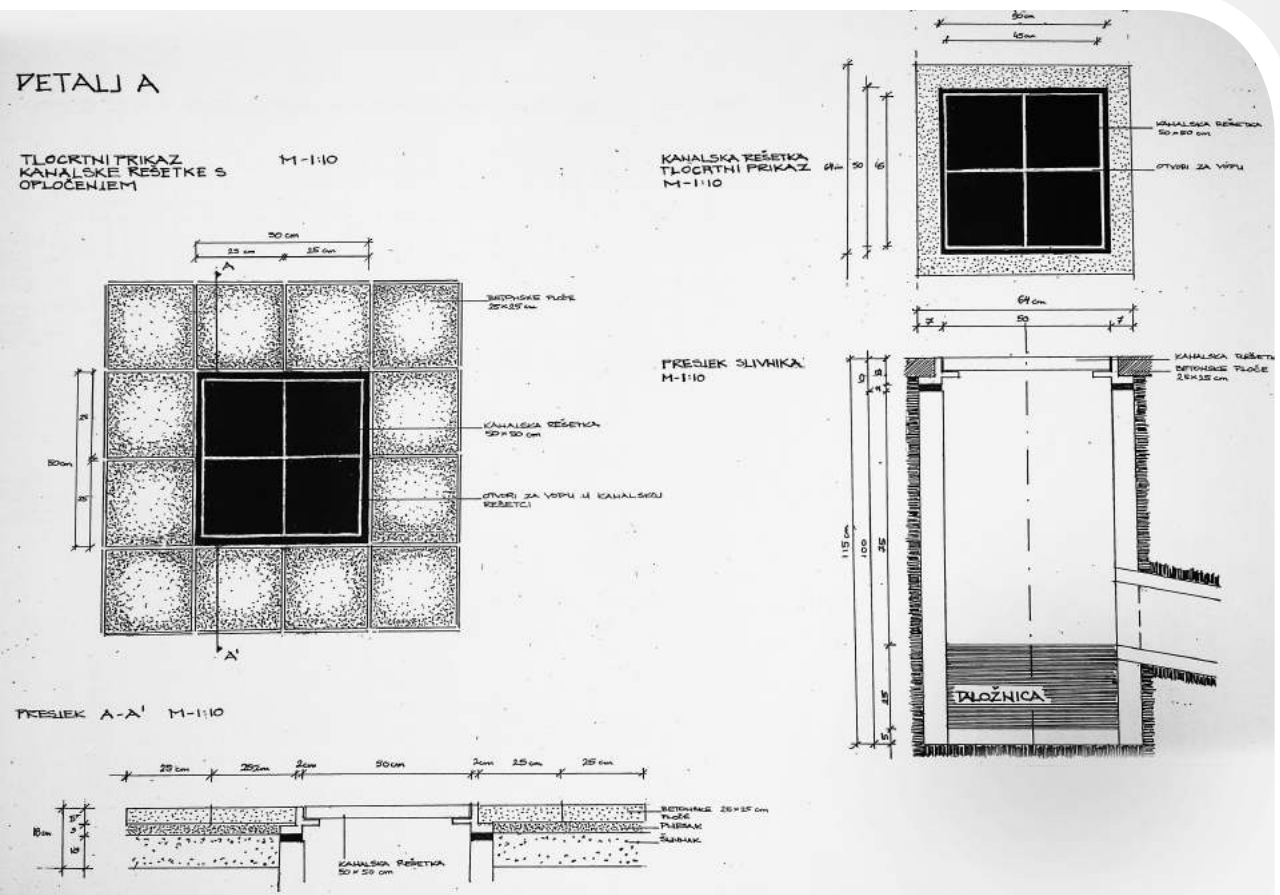
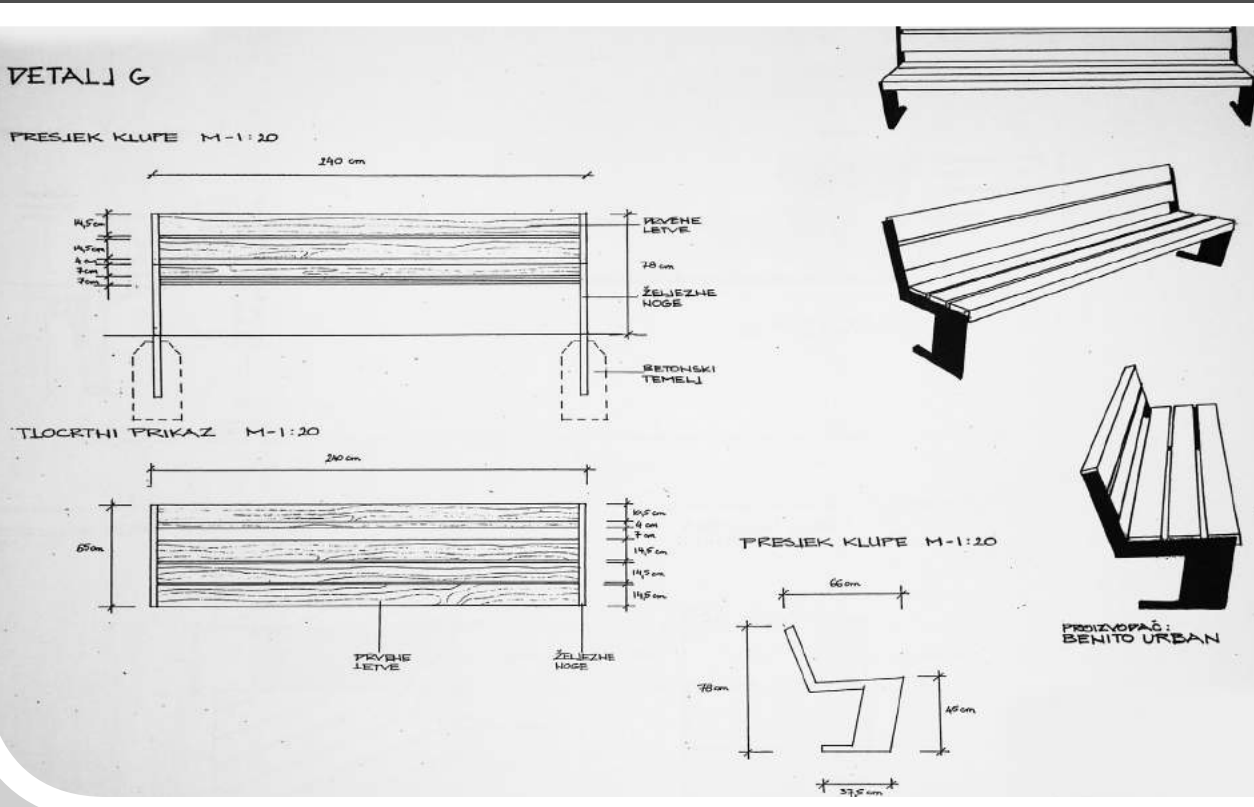
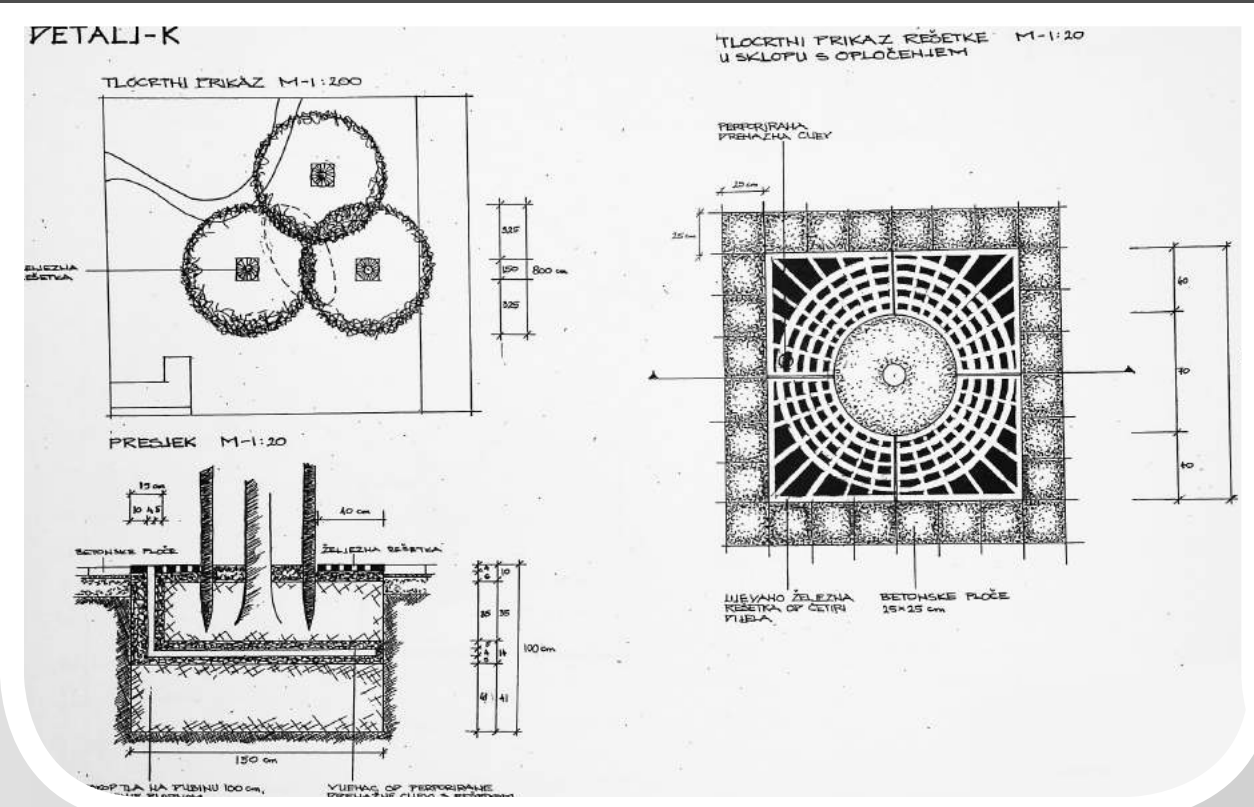
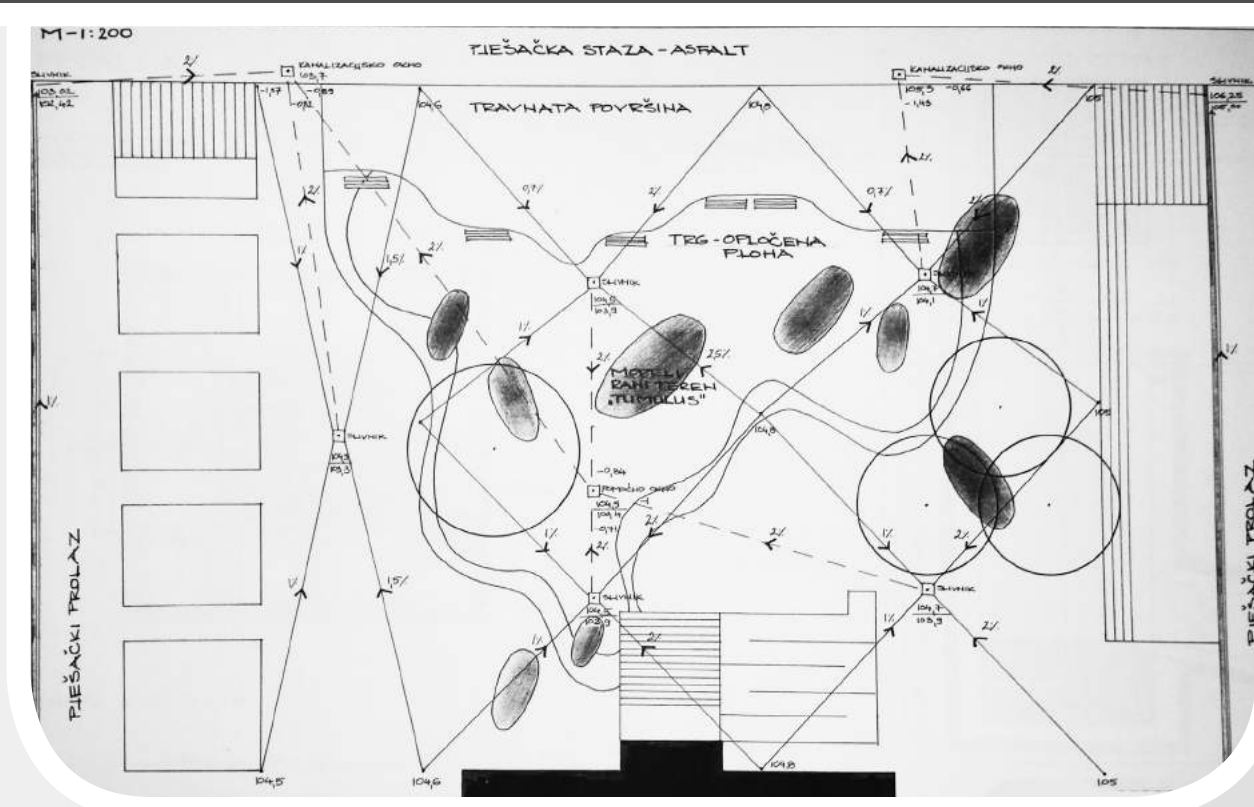


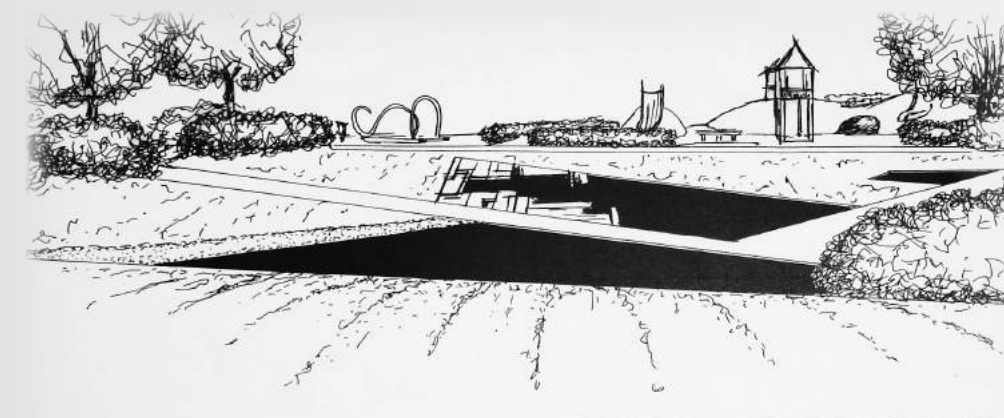
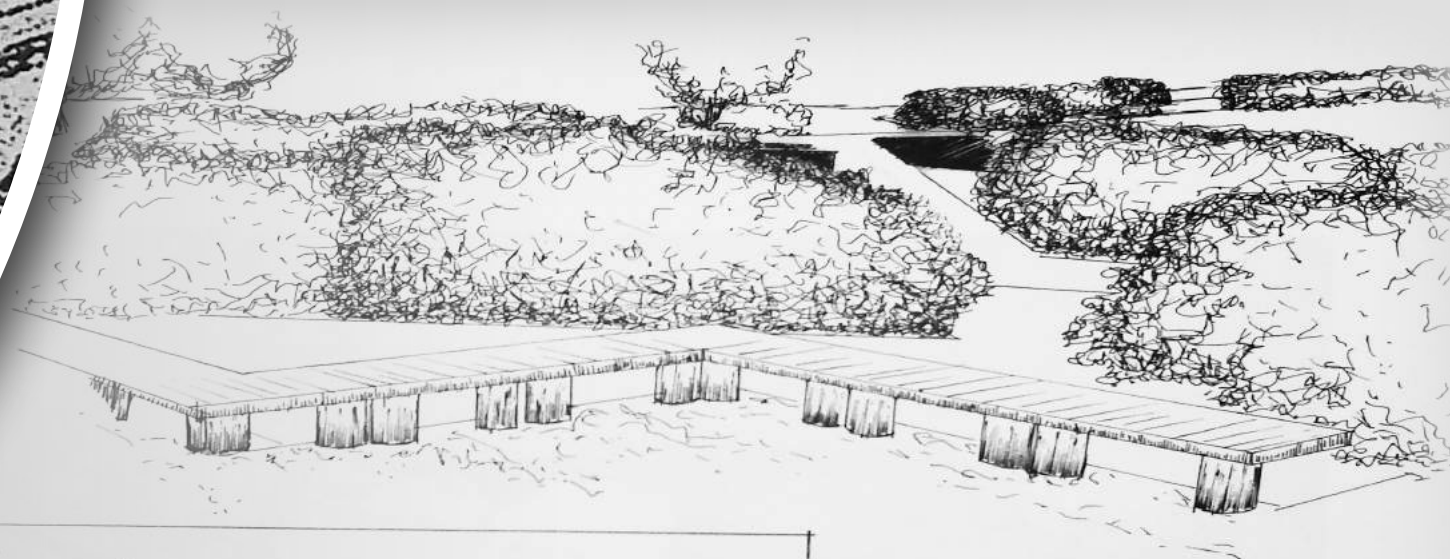
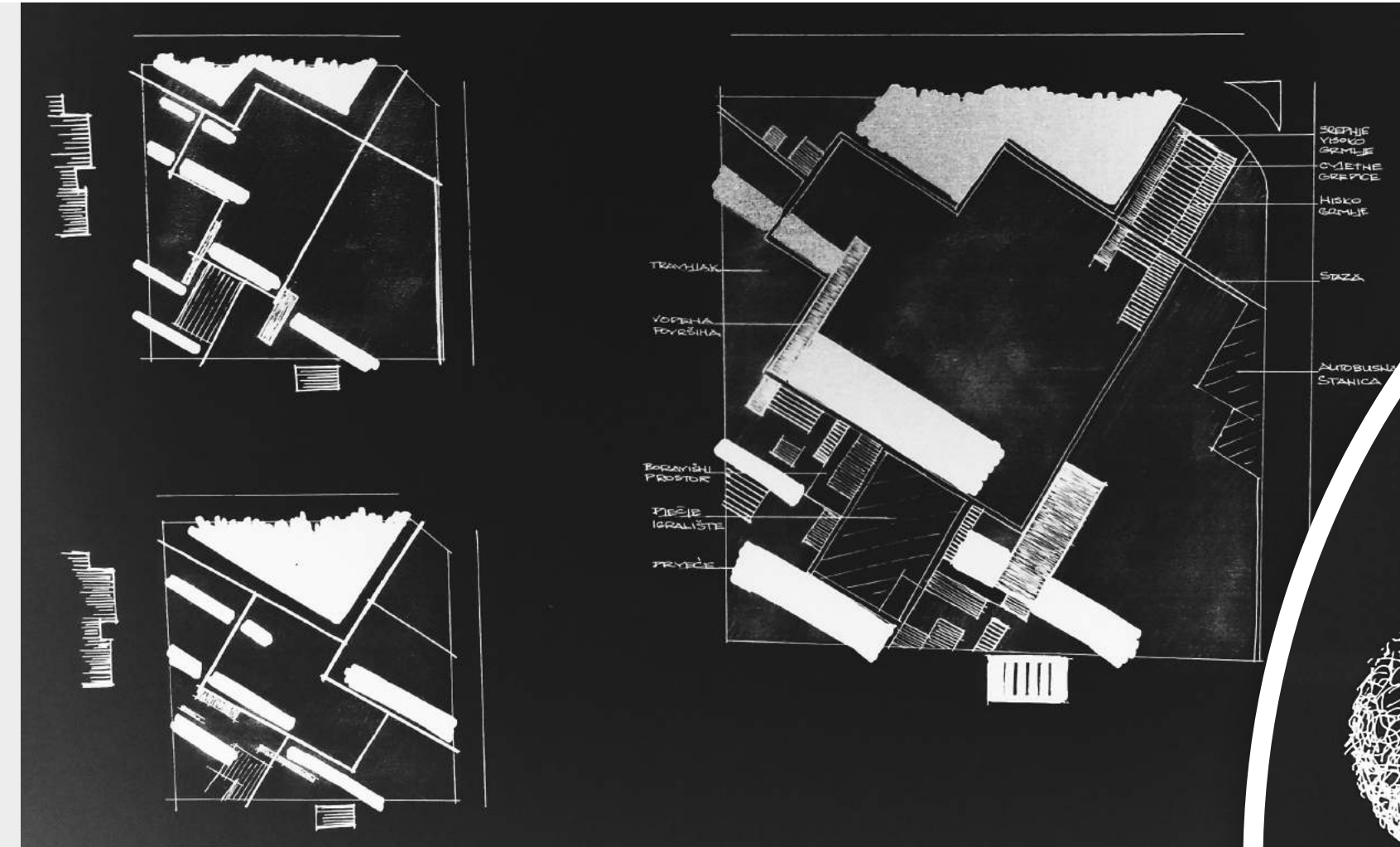
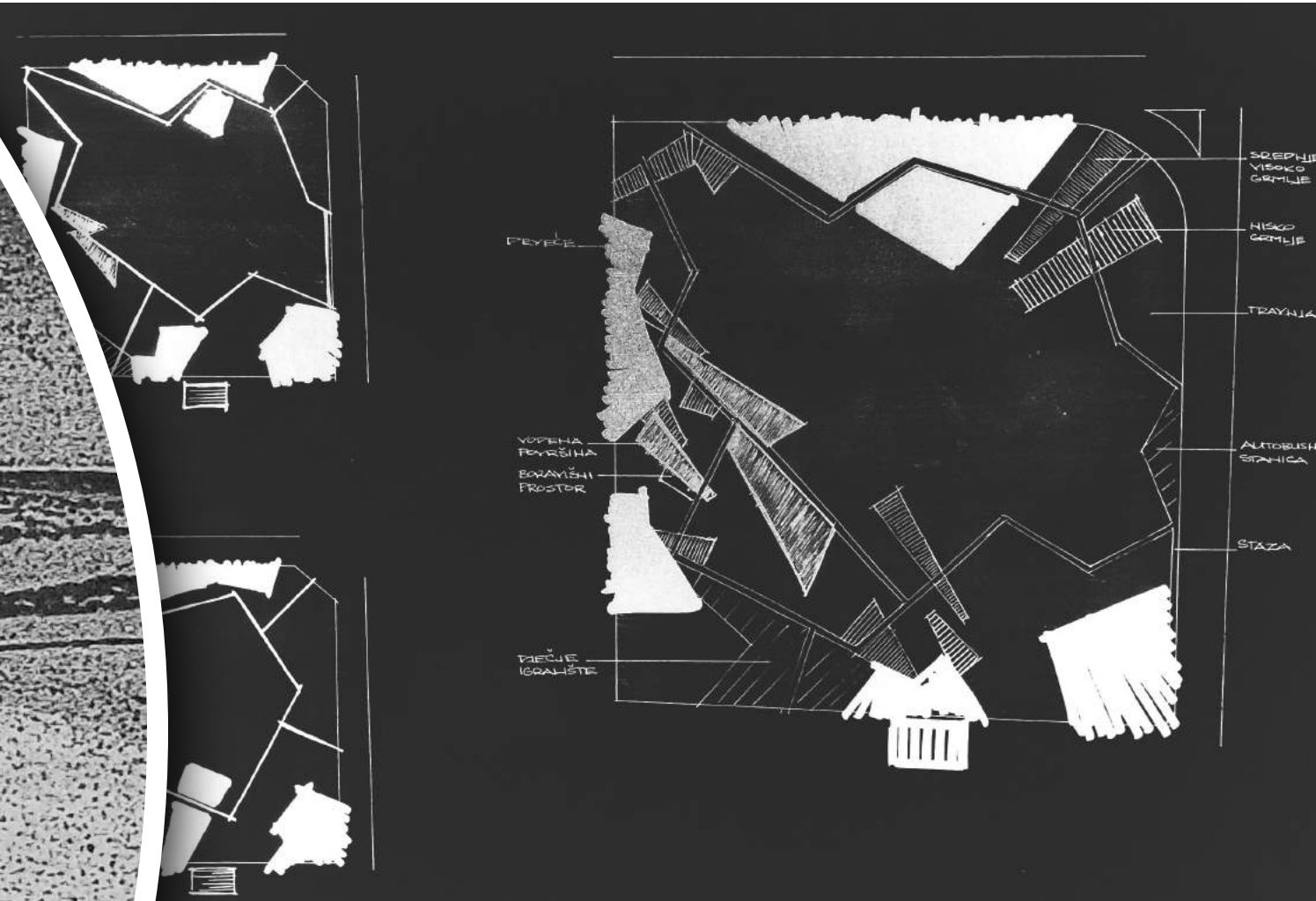
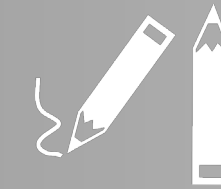
NEW DESIGN AXONOMETRY

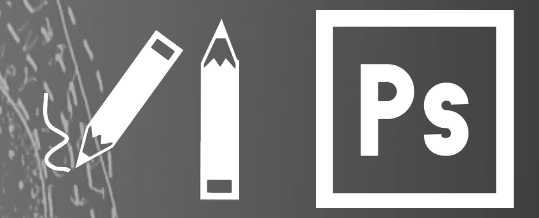
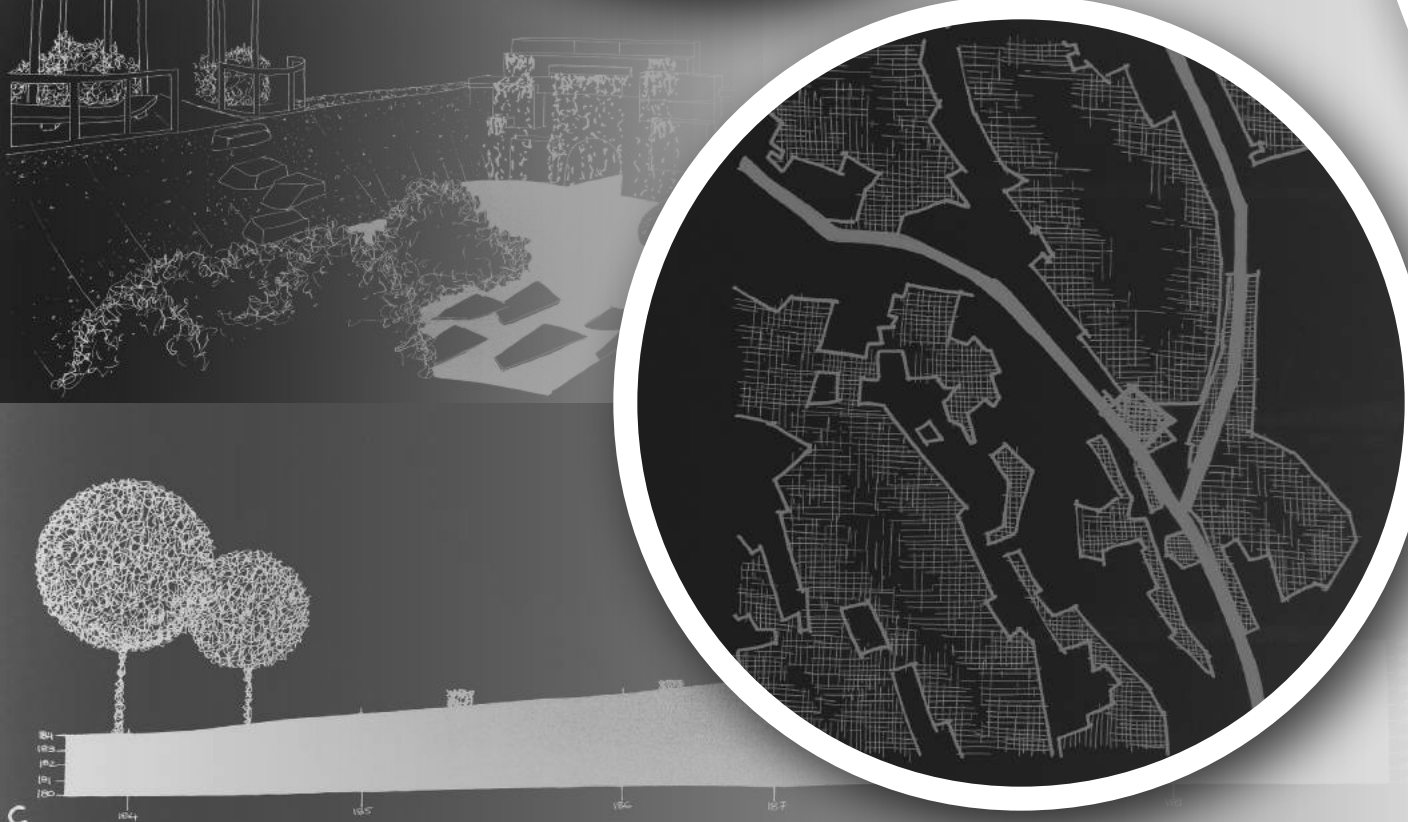
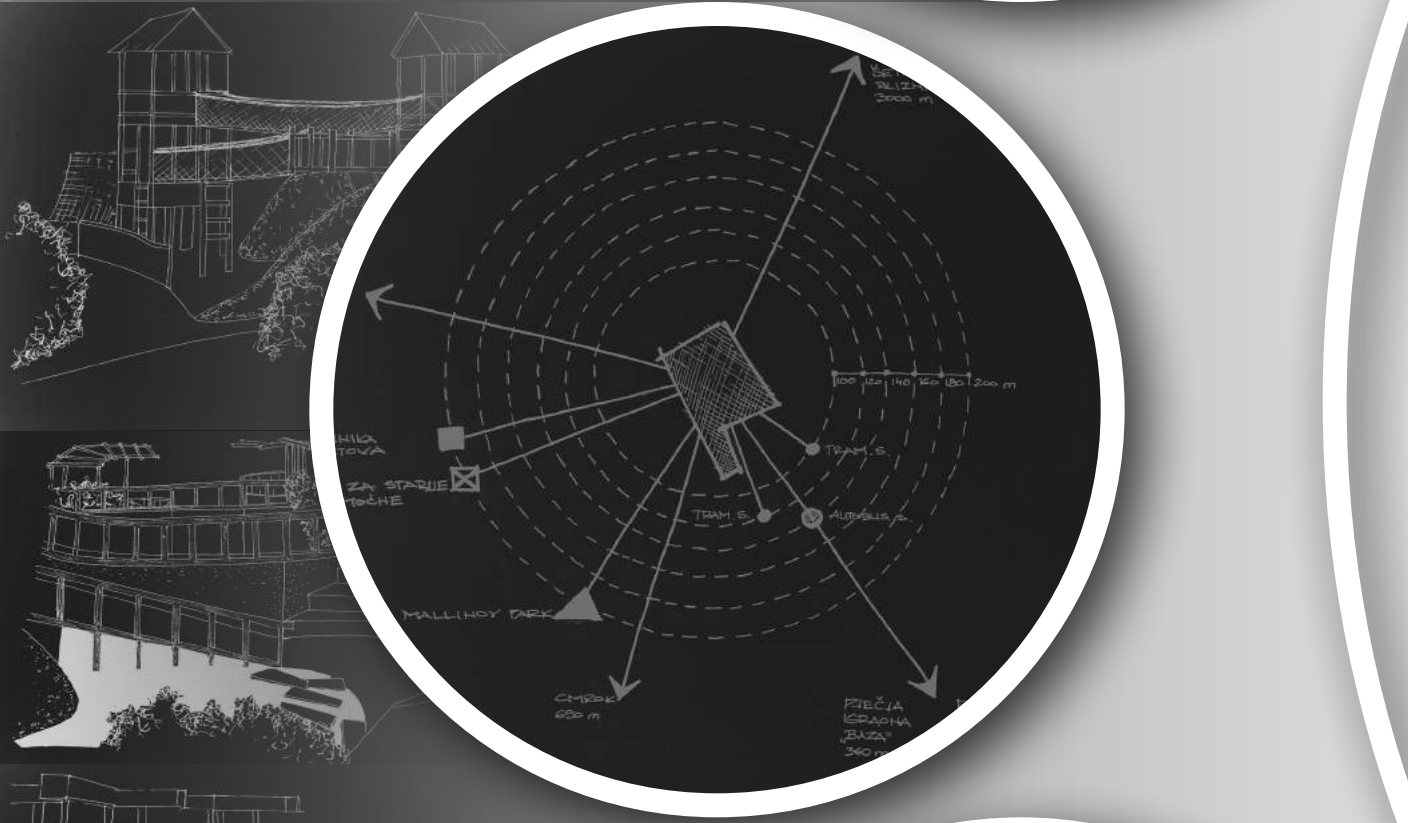
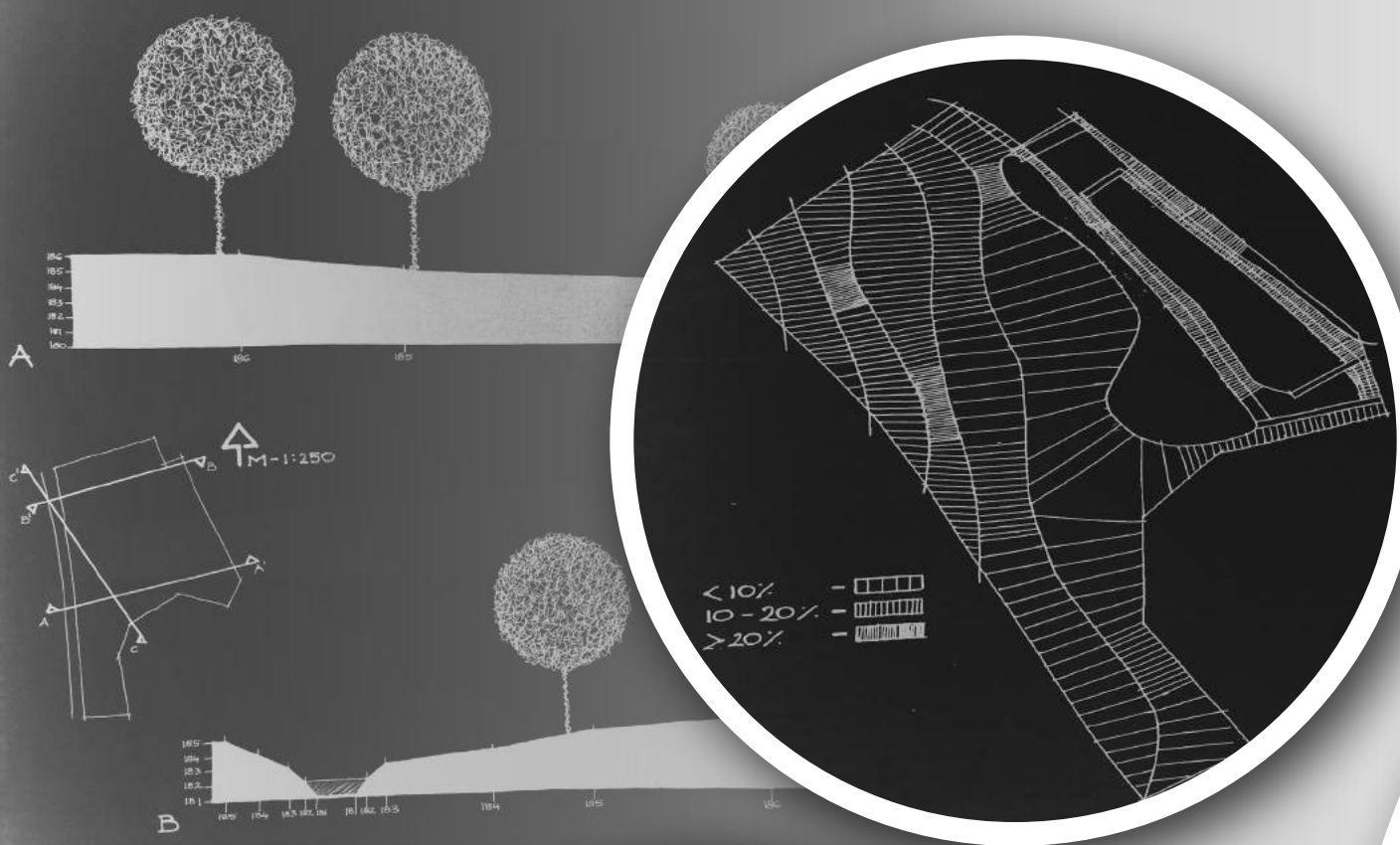


PERSPECTIVE









SANACIJA ŠLJUNČARE RAKITJE, Grad Zagreb i Općina Sv. Nedelja



3D MODELI TERENA



HOTELSKI KOMPLEKS



PLATO NA VODI



VIDIKOVAC

KAMP - BUNGALOVI

VODENI PARK

IDEJNO RJEŠENJE 1:5000

FILOZOFIJA
Jezera Rakitje kao glavna lječilišna destinacija u vidu zdravstvenog turizma u okolini Grada Zagreba.



FOTOGRAFIJE POSTOJEĆEG TERENA



IDEJNO RJEŠENJE 2, 1:5000

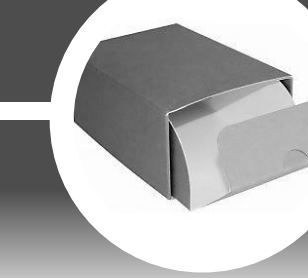
FILOZOFIJA
Jezera Rakitje kao glavna lječilišna destinacija u vidu zdravstvenog turizma u okolini Grada Zagreba.



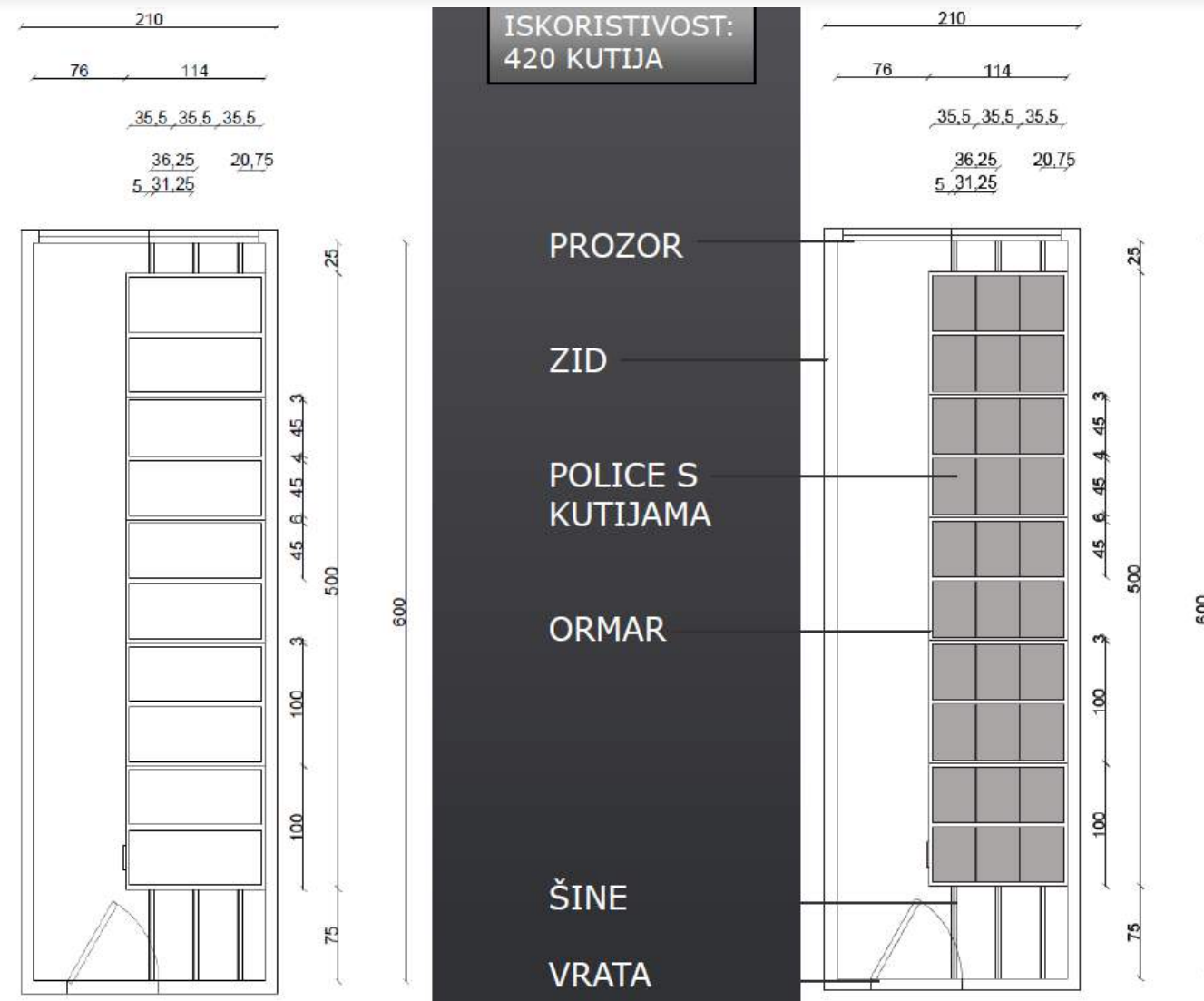


GOAL

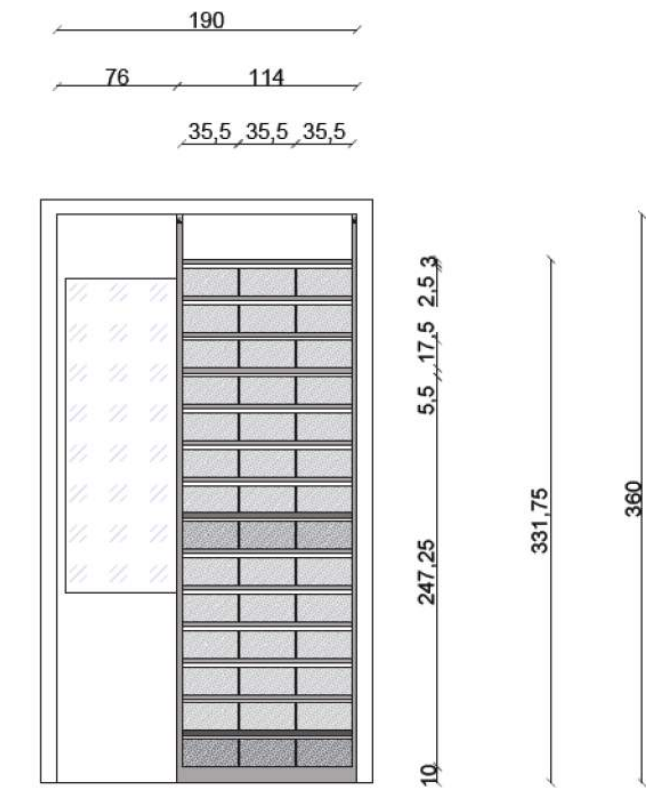
DESIGN CABINETS FOR HERBARIUM STORAGE AND ENABLE TO STORAGE HIGHEST POSSIBLE AMOUNT OF BOXES.



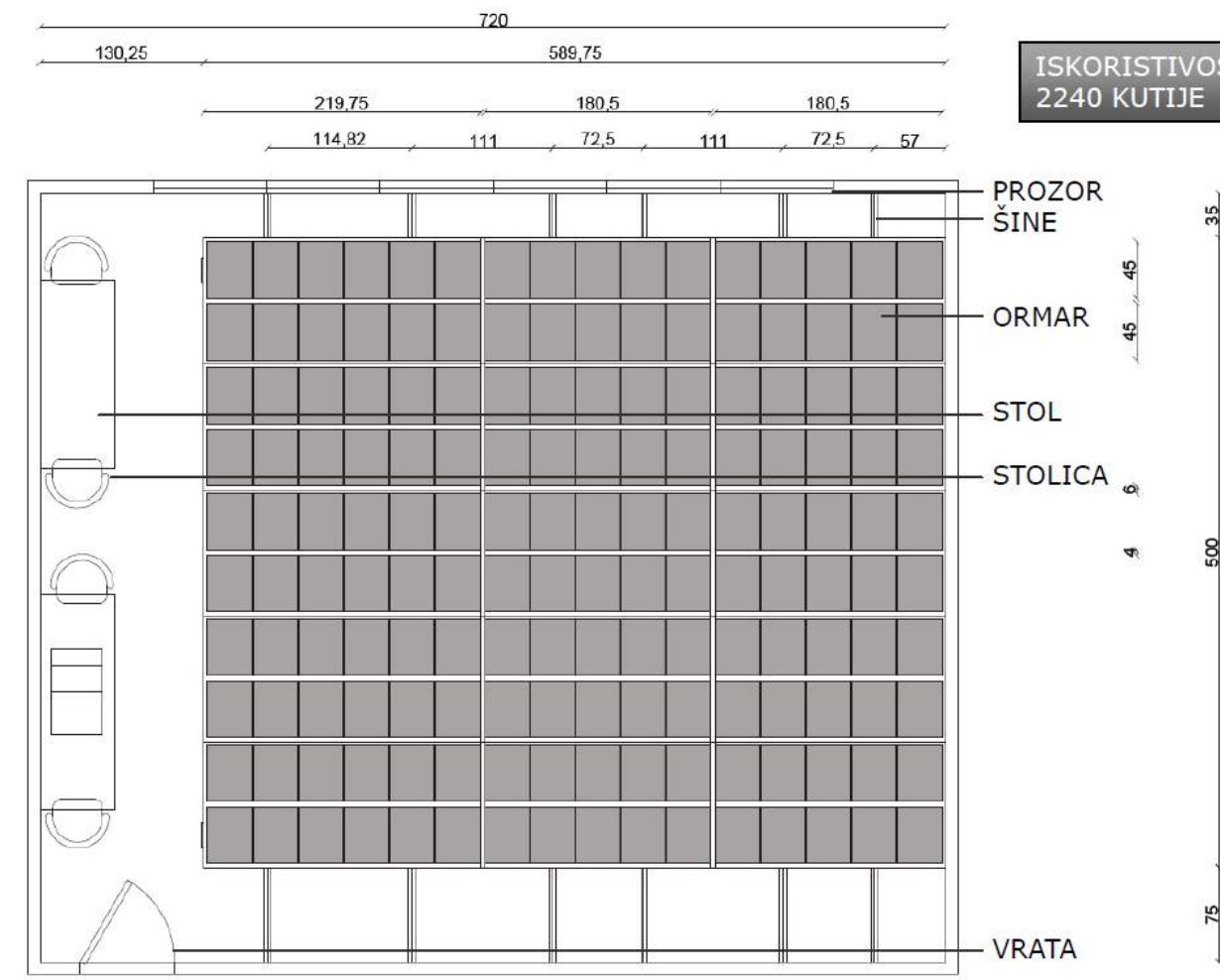
HERBARIUM STORAGE BOX DIMENSIONS:
17.5 x 35.5 x 45 cm



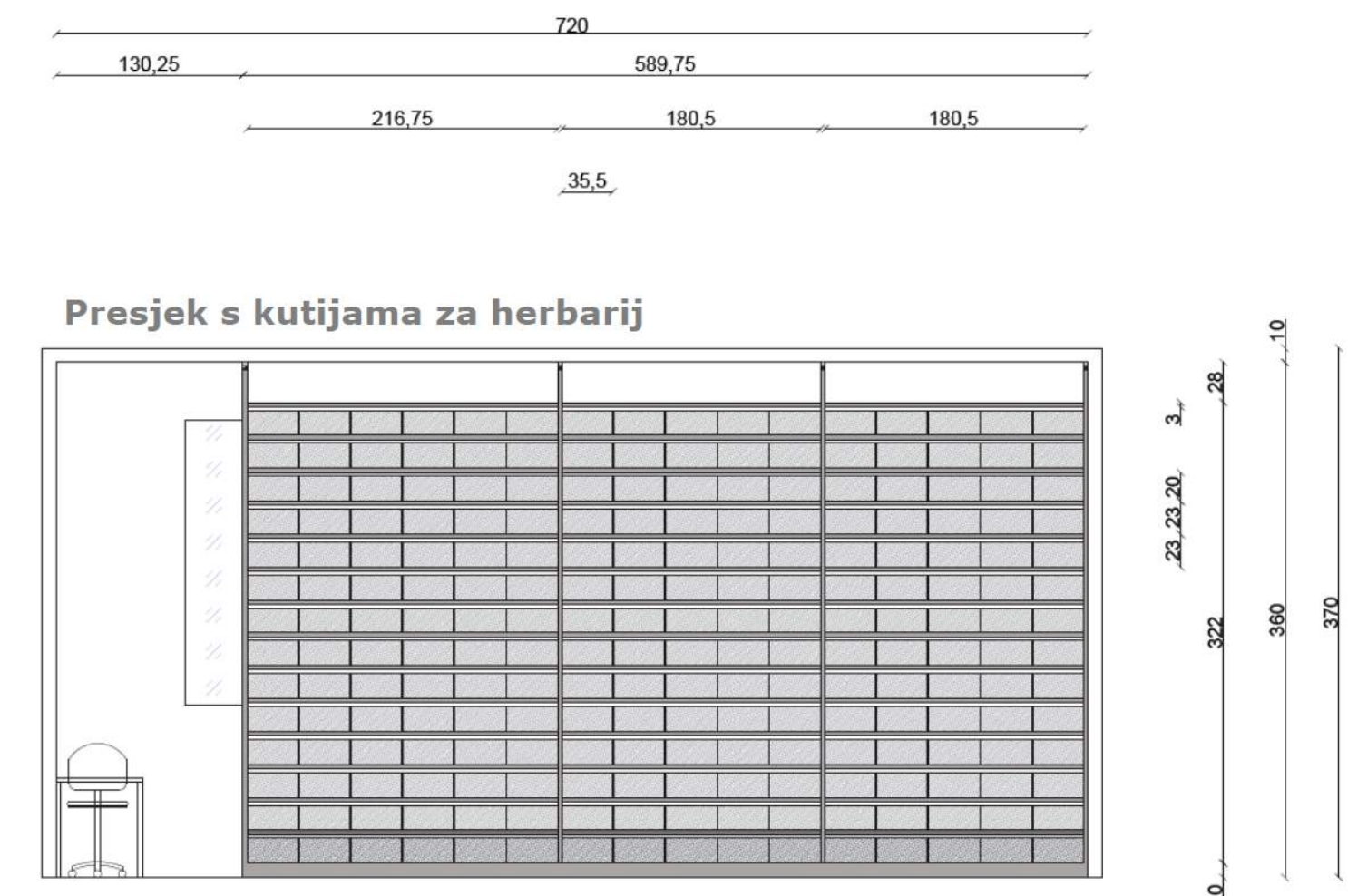
ROOM 1. PLAN (11,4 M2)



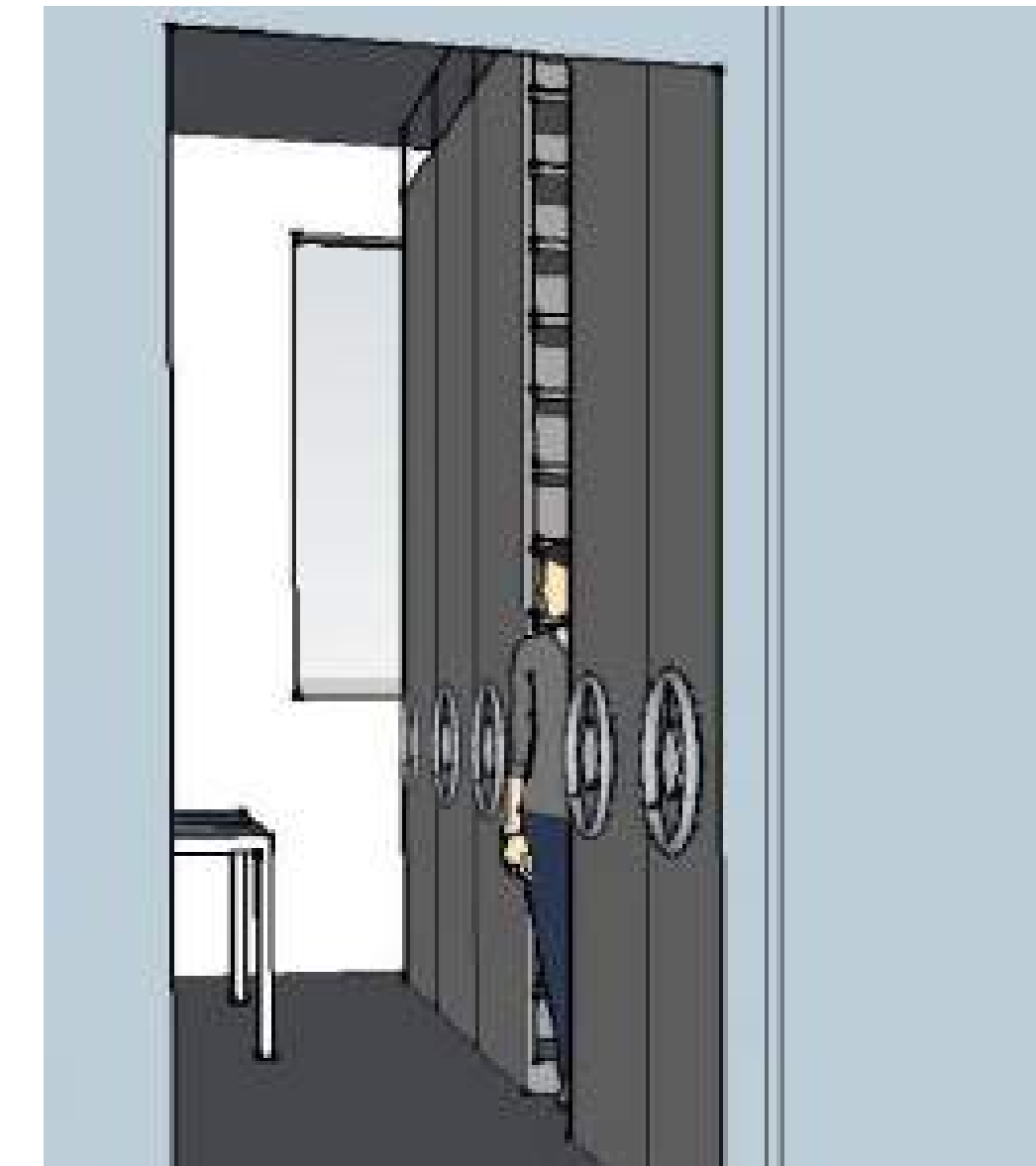
ROOM 1. SIDE VIEW (11,4 M2)



ROOM 2. PLAN (43,9 M2)



ROOM 2. SIDE VIEW (43,9 M2)





PROBLEMS:

- NEWLY CREATED SQUARE IS PLACED AT A HISTORICAL CITY CENTER
- CLOSE TO THE TRAFFIC
- THE IMMEDIATE VICINITY OF THE TAXI SERVICE STOP
- ORIENTATION DIFFICULTIES (LACK OF LANDMARKS)
- DOMINATION OF NEWLY BUILT OBJECT OVER AN OPENED SPACE
- THE EMERGENCE OF DIFFERENT ARTISTIC STYLES
- NEWLY INSTALLED LIGHTING FIXTURES WHICH ARE MALADJUSTED TO THE SPACE
- UNFAVORABLE ACCOMMODATION OF THE BENCHES

OBJECTIVES:

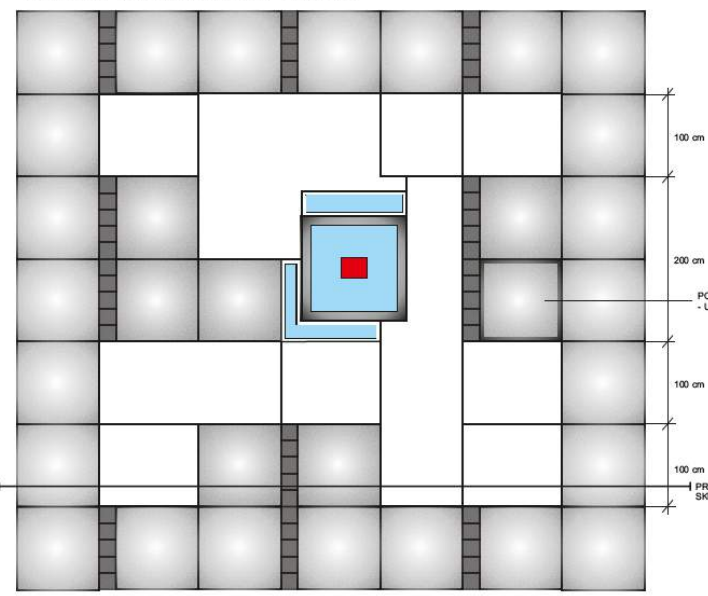
- TO FIND ALTERNATIVE TRANSPORT SOLUTION AND TO REDUCE/ELIMINATE TRAFFIC INTENSITY
- EMPHASIZE SPACE INTERESTS
- FIT THE SPACE (MEANINGFUL AND FUNCTIONAL) INTO TWO DIFFERENT STYLES (MODERN BUILDING ON SOUTH AND HISTORICAL BUILDINGS IN THE NORTH)
- ADJUST THE HEIGHT OF LIGHTING FIXTURES
- PLACE THE BENCHES TO ACHIEVE DESIRABLE VISTAS (FOR EXAMPLE - TOWARDS THE CATHEDRAL)



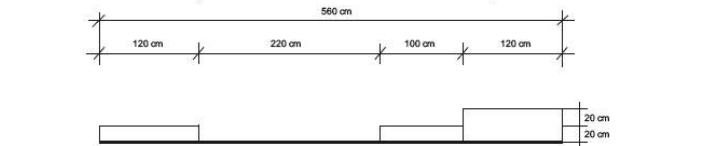
LOCATION: CITY OF ZAGREB, UPPER TOWN
SURFACE: 3 144 M2

PLANNED SPACE IS SITUATED AT A HISTORICAL CORE OF ZAGREB CITY, IN AN IMMEDIATE VICINITY OF THE BAN JELACIC SQUARE AND THE CATHEDRAL.

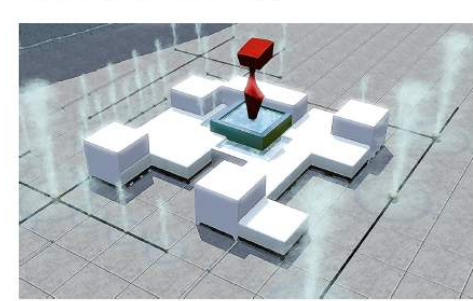
TLOCRTNI PRIKAZ SKULPTURE / FONTANE



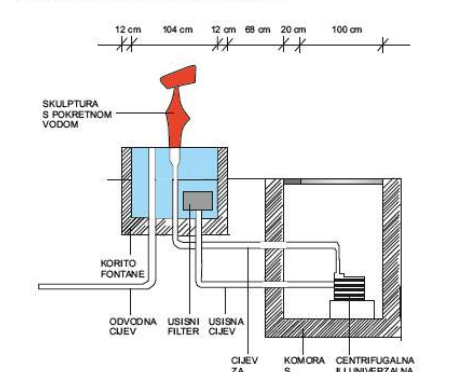
PRESJEK SKULPTURE (KAMENI BLOKOVI RAZLIČITIH VISINA)



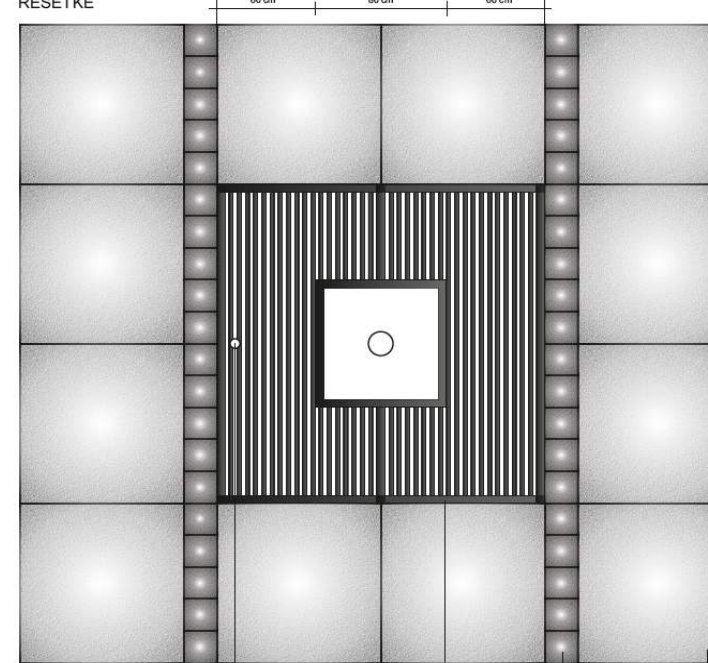
3D MODEL SKULPTURE / FONTANE



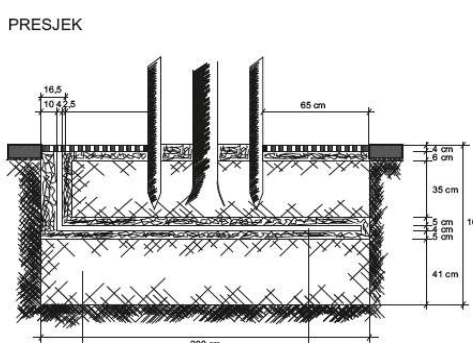
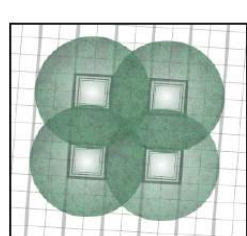
PRESJEK SKULPTURE / FONTANE



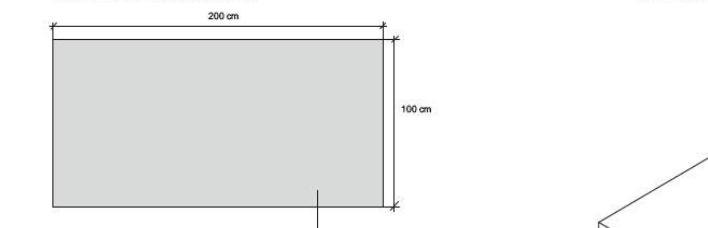
TLOCRTNI PRIKAZ REŠETKE



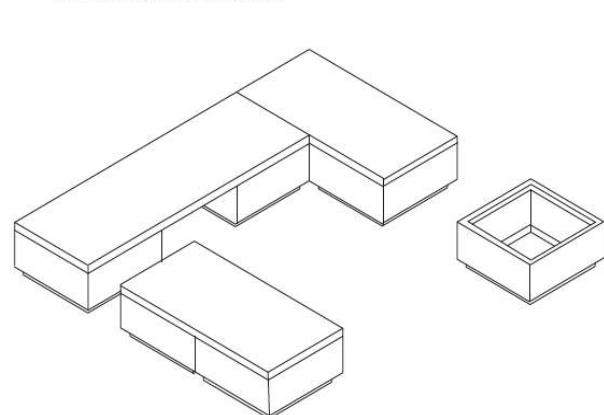
TLOCRT: M - 1:200



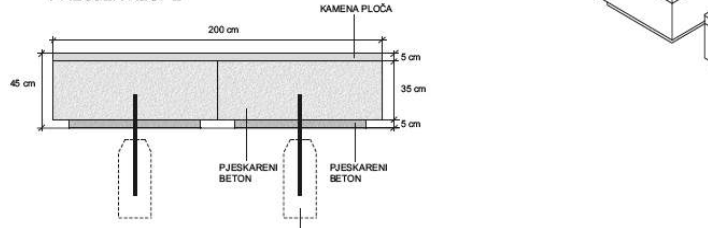
TLOCRTNI PRIKAZ KLUPE



3D PRIKAZ SLAGANJA KLUPE



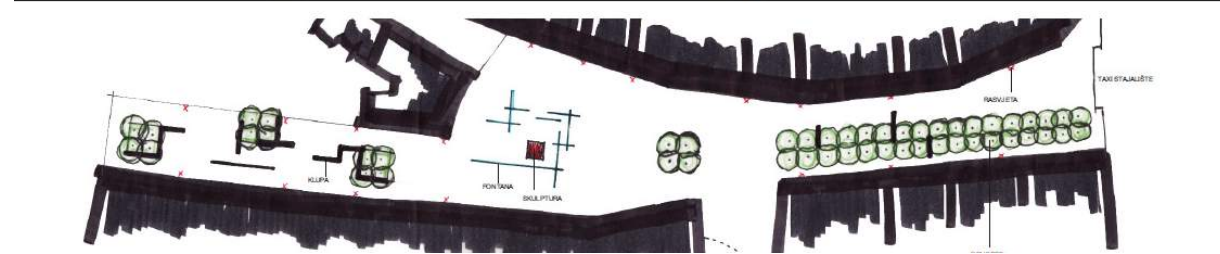
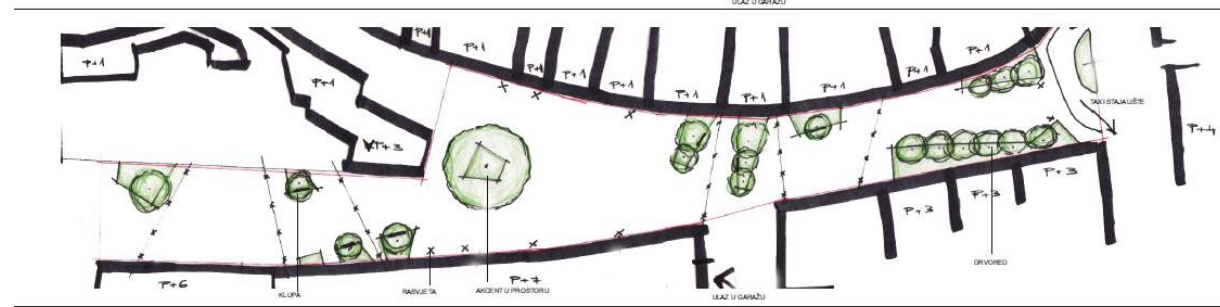
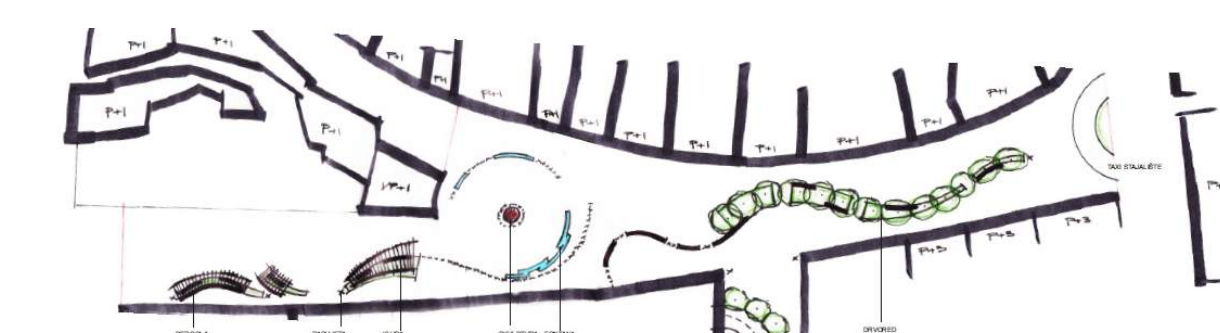
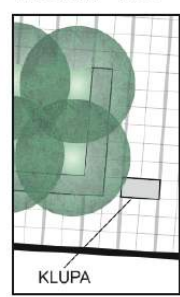
PRESJEK KLUPE



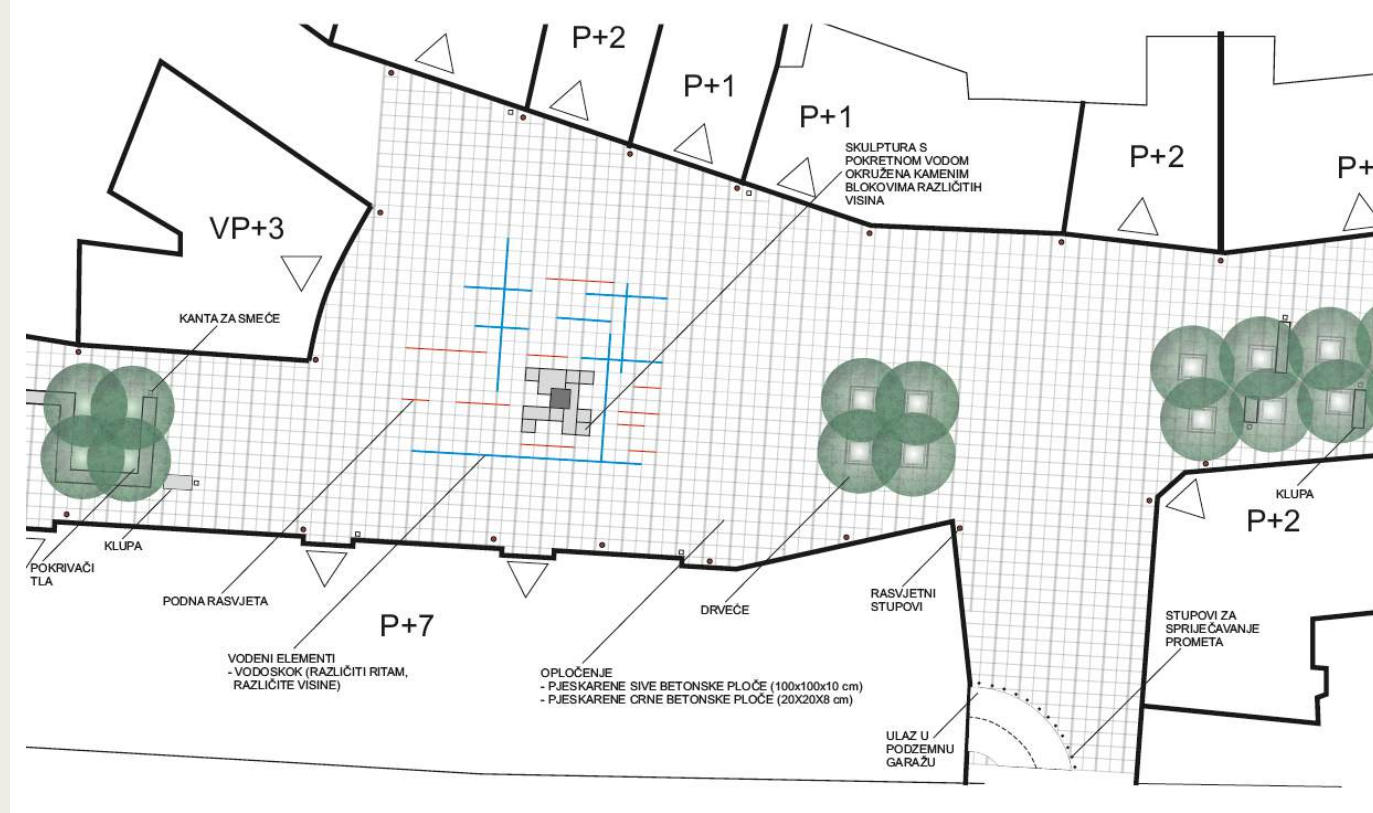
PRESJEK KLUPE



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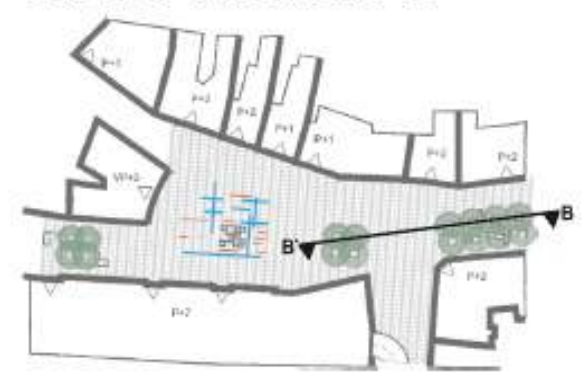
CONCEPTUAL SKETCHES



CONCEPTUAL DESIGN



POGLED - PRESJEK B - B'

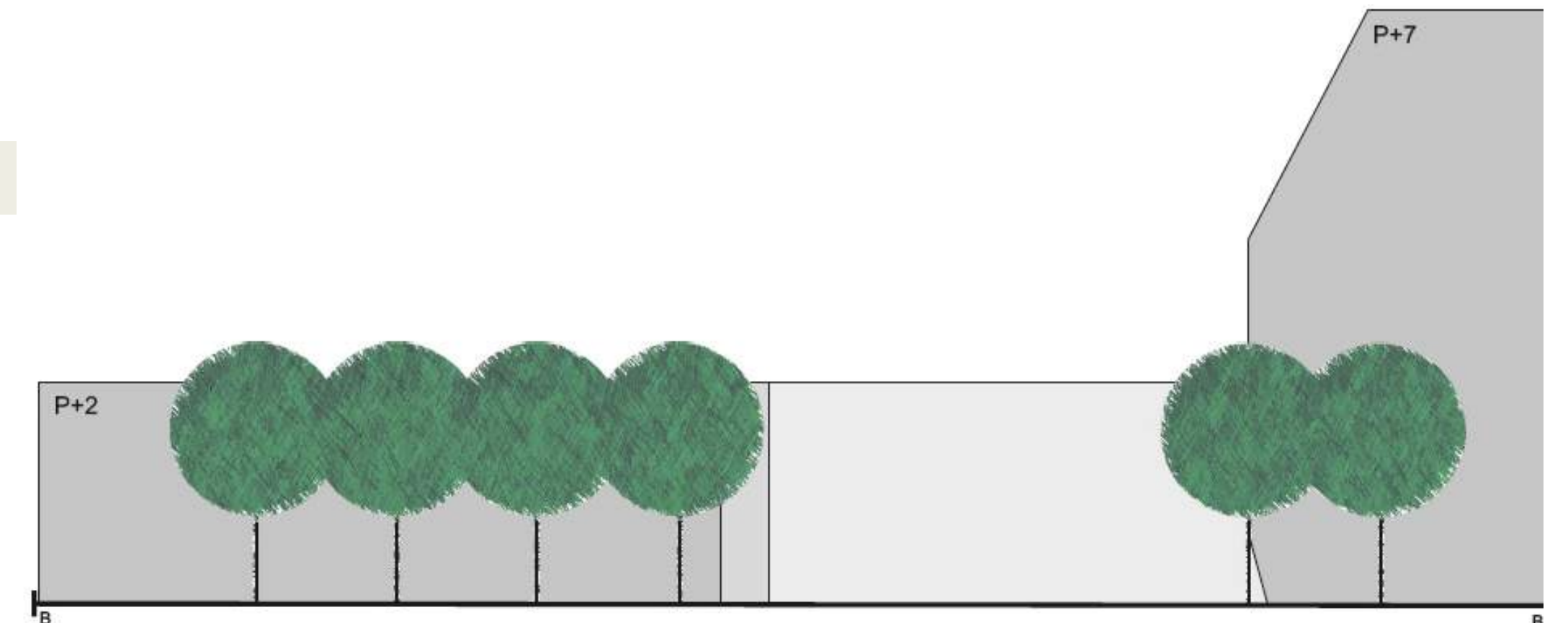


DESCRIPTION OF THE CONCEPTUAL DESIGN

EUROPEAN SQUARE IS PLACED ON THE STREET OF AUGUST CESARAC WHICH CONTINUES NORTH TO THE OLD VLASKA STREET AND IT IS RIGHT NEXT TO THE BAN JELACIC SQUARE. SQUARE SPACE IS RELATIVELY NARROW WITH SURFACE AREA OF 3100 M2. TRAFFIC THROUGH OLD VLASKA AND AUGUST CESARAC STREET IS DISABLED AND A PEDESTRIAN ZONE IS CREATED AND IT IS CONNECTING RIBNJAK PARK WITH BAN JELACIC SQUARE. NECESSARY TRANSPORT (RESIDENTS, COMMERCIAL BUILDINGS AND CATERING PURPOSES) IS ENABLED THROUGH KURELEC STREET WHERE IS ALSO AN UNDERGROUND GARAGE OF BAN CENTER BUILDING. TAXI SERVICE STOP STATION IS PLACED AT THE CROSSROADS OF PALMOTICEVA STREET AND OLD VLASKA.

FURTHER MORE, ENTERING THE SQUARE AREA FROM THE EAST SIDE, THERE IS A LINE OF TREES (ACER PLATANOIDES 'DRUMMONDII'). BENCHES ARE PLACED UNDERNEATH THEM. BY THE ENDING OF TREE LINES THERE IS AN INTERSECTION WITH KURELEC STREET WHICH PRESENCE IS EMPHASIZED WITH TERMINATION OF TREE LINE ON THE ONE SIDE AND GROUP OF TREES ON THE OTHER SIDE.

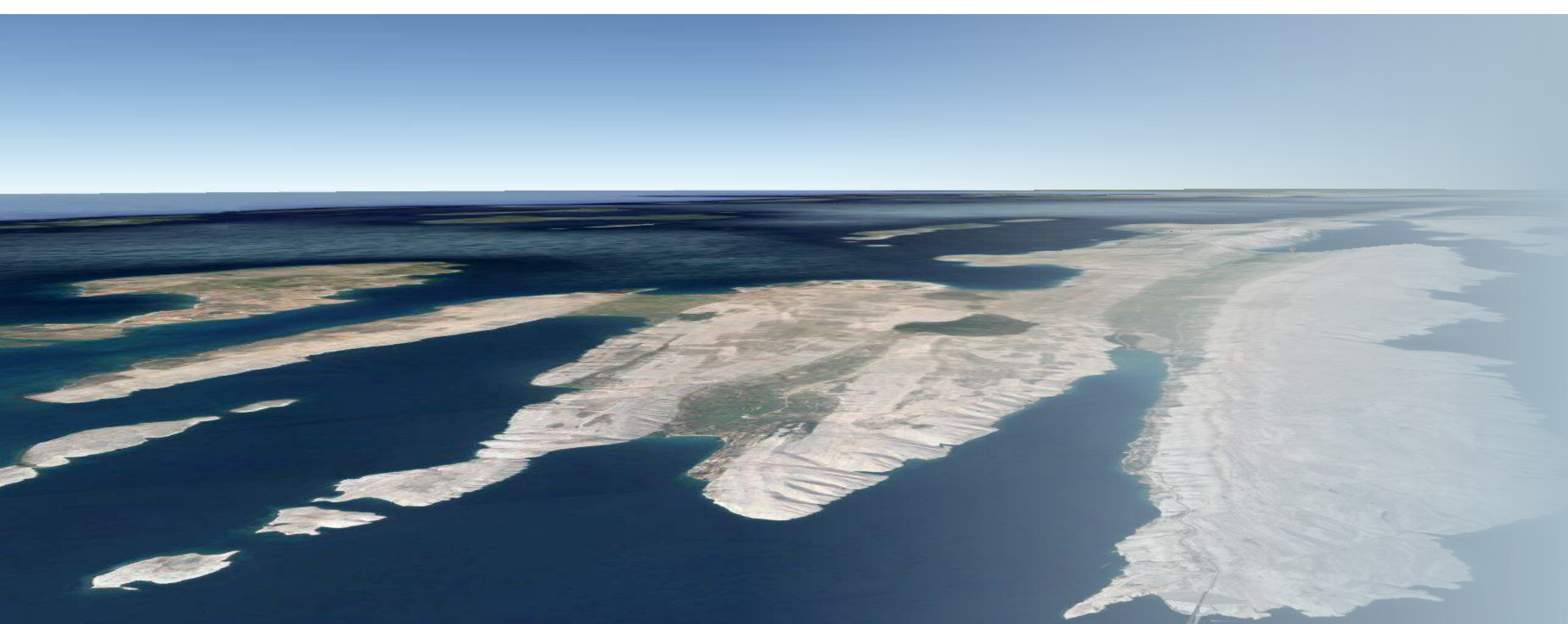
ON THE BIGGEST ENLARGEMENT OF THE EUROPEAN SQUARE STANDS A SCULPTURE WITH MOVING WATER. IT IS INTERACTIVE BECAUSE PEOPLE CAN SIT AND WALK ON IT DUE TO DIFFERENT HEIGHTS OF STONE BLOCKS WHICH ARE MAKING THE SPACE ATTRACTIVE AND COMFORTABLE TO STAY. THERE ARE ALSO A SPRINKLERS, SO CALLED "DRY FOUNTAIN" WHICH SPRINKLE WATER VERTICALLY IN DIFFERENT HEIGHTS AND ARE SUPPORTED BY LED LIGHTING. ALSO. LINEAR LED LIGHTING IS LOCATED INSIDE THE PAVING WHICH MAKES THAT SPACE INTERESTING AT NIGHT TIME. CONTINUING WEST, THERE ARE THREE GROUPS OF TREES WHICH ARE INTERWINDEN BY BENCHES. THIS IS THE ENDING OF EUROPEAN SQUARE AND BEGINNING OF BAN JELACIC SQUARE.





EX FACTORY OF RAILWAY VEHICLES IS SETTLED IN THE CENTER OF ZAGREB, MORE SPECIFICALLY NEAR MAIN CENTRAL STATION. LOCATION IS SURROUNDED BY RAILWAY ON THE NORTH AND BY MONUMENT OF INDUSTRIAL CULTURE ON THE WEST. SIZE OF THE LOCATION: 25 HA





STARTING POINTS FOR CREATION OF DEVELOPMENT CONCEPT
 THE STARTING POINTS FOR THE PLANNING, PROBLEMS, INTERESTS, DEVELOPMENT TRENDS, OBJECTIVES,
 DEVELOPMENT PROGRAM

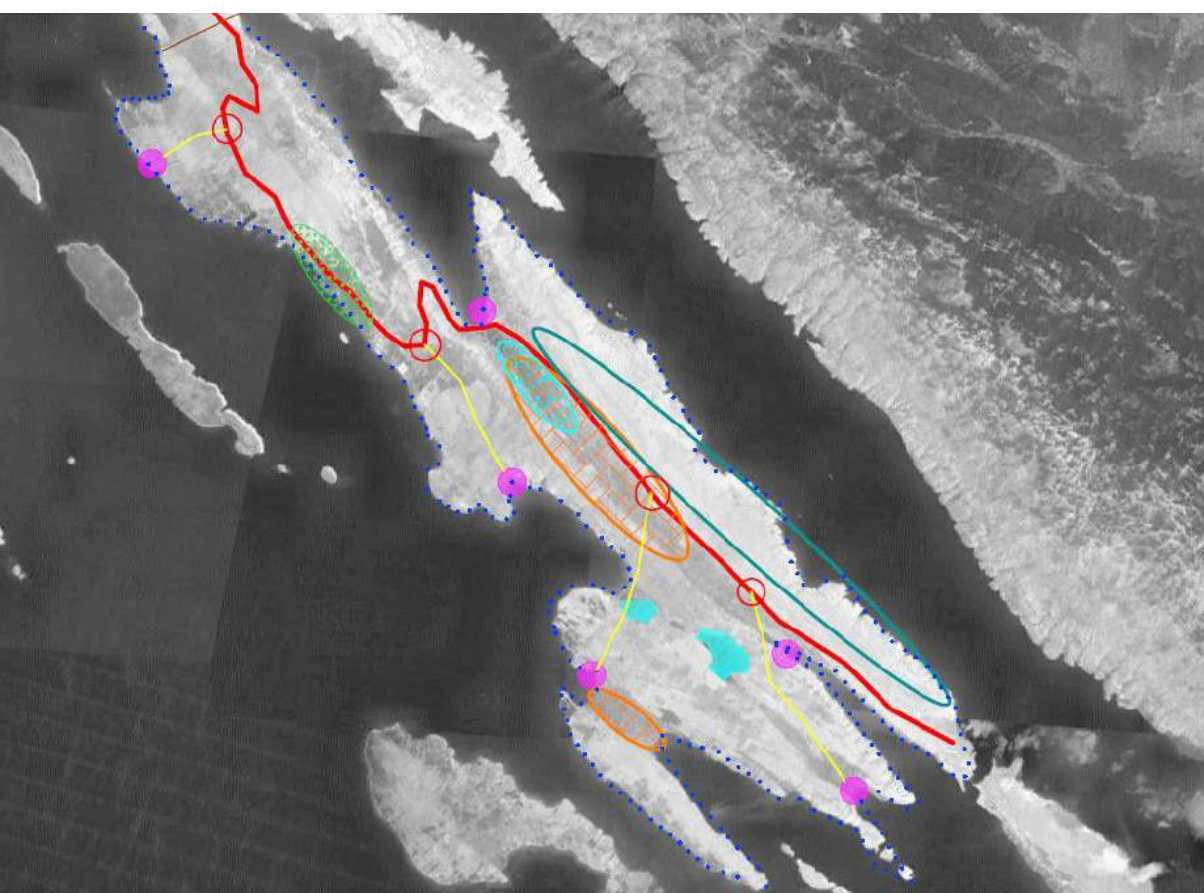
ANALYSIS OF THE SOUTHEASTERN PART OF THE ISLAND
 THE EXPERIENTIAL PERCEPTIVE ANALYSIS BY LYNCH, LANDSCAPE ECOLOGICAL ANALYSIS BY FORMAN AND
 GODRON, SAMPLES OF DESIGN ANALYSIS, RELEVANCE OF ACTIVITIES HIERARCHY, ASSOCIATION OF ACTIVI-
 TIES ANALYSIS (MATRIX OF DESIRABLE NEIGHBOURHOODS)

SYNTHESIS
 THE CONCEPT OF DEVELOPMENT (ZONING, DIAGRAMS), THE PROCESS OF HARMONIZATION OF INTERESTS
 AND PREPARATION OF THE LAND-USE PLAN (CONCEPT), THE BASE OF THE AREA LAND-USE PLAN (TABLE OF
 PRIORITIES AND ACTIVITIES DIMENSIONING, SPATIALIZATION ACTIVITY PROCESS)

STANDARDS AND GUIDELINES FOR PHYSICAL PLANNING



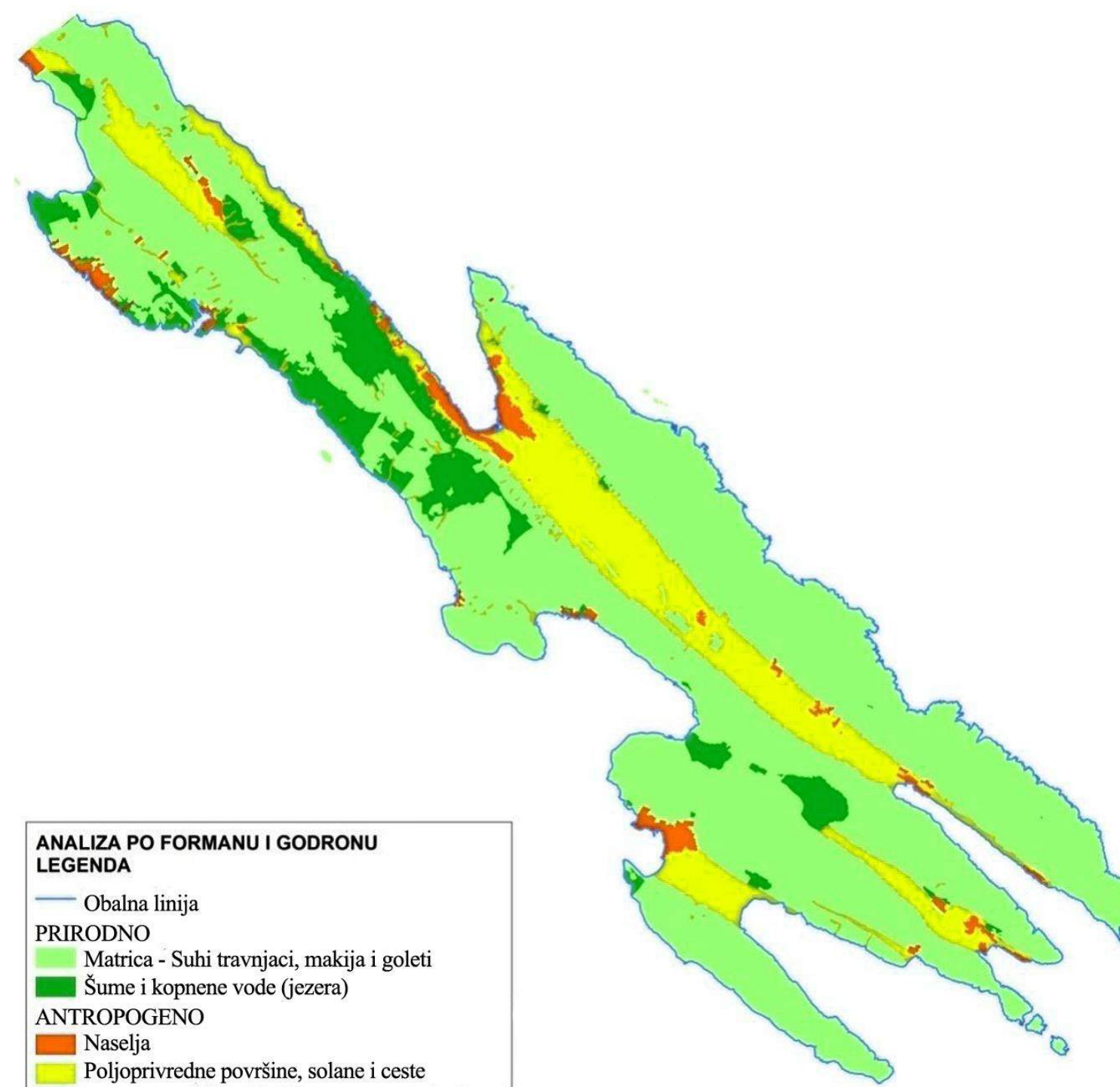
ISLAND OF PAG AS REGION OF ADVENTUROUS AND ROBINSON TOURISM



- PODRUČJA (ČOVJEK)
 - Naselja
 - Poljoprivredno zemljište
 - Šljuna
- PODRUČJA (PRIRODNA)
 - Šume
 - PK
 - Kopnene vode
- GRANICE
 - Obalni pojas
 - Ograda razvodne
- PUTEVI
 - Državna cesta
 - Lokalna cesta
- ČVORIŠTA
 - Čvorišta

THE EXPERIENTIAL PERCEPTIVE ANALYSIS BY LYNCH

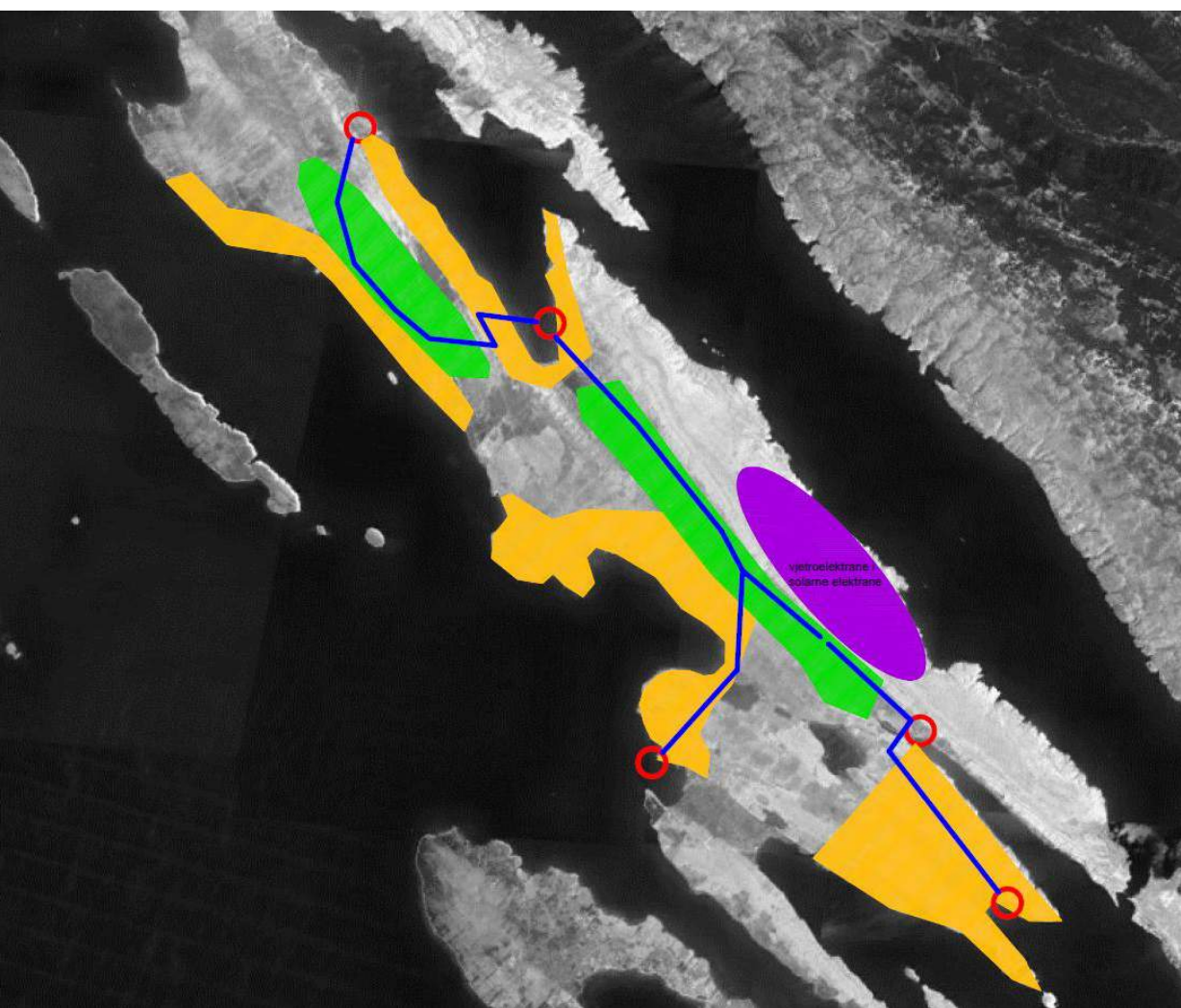
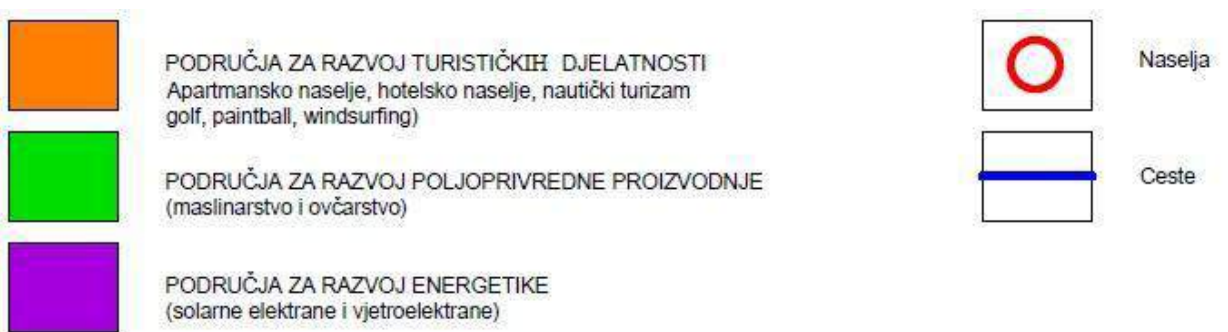
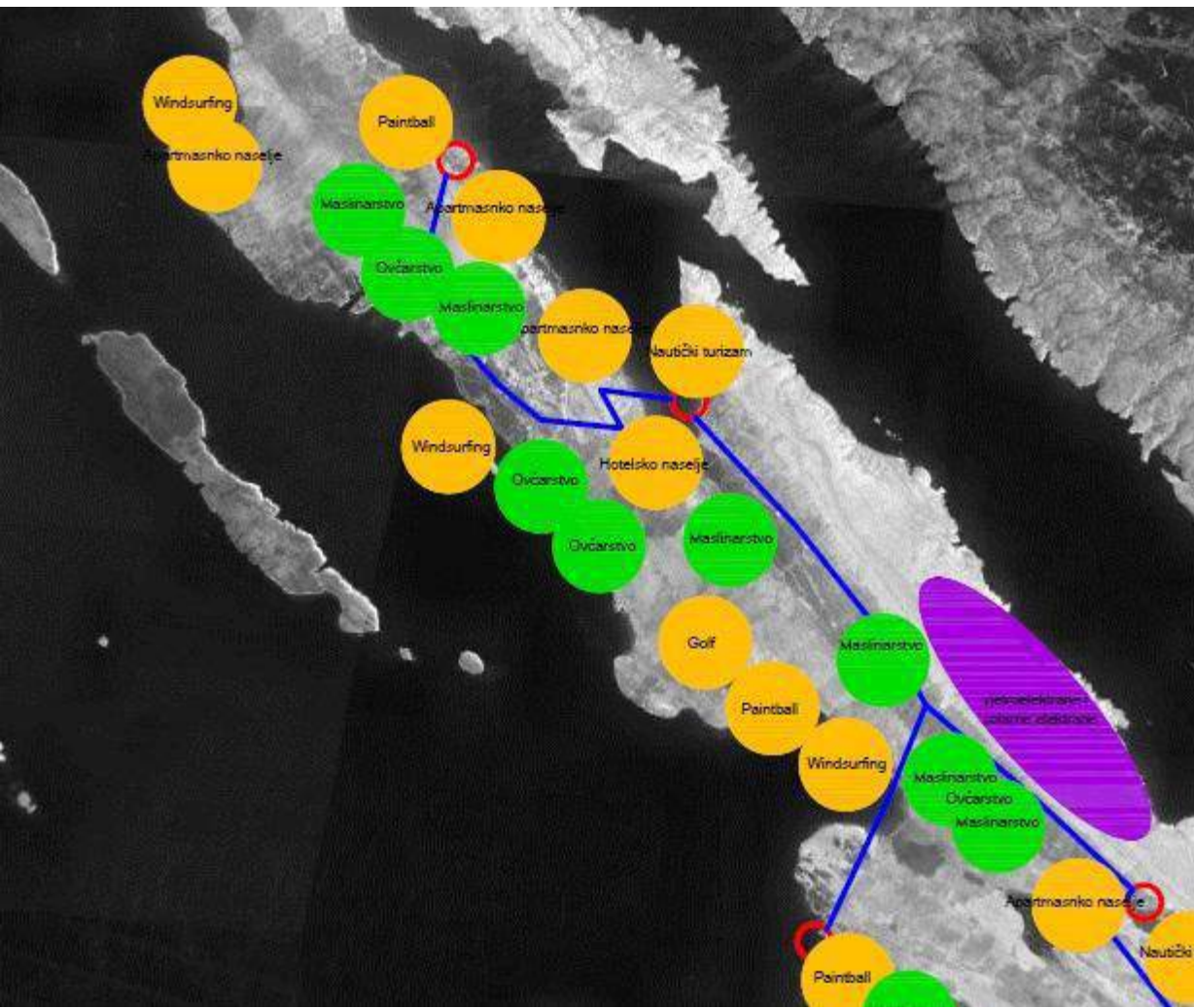
SOUTHEASTERN PART OF PAG IS MOSTLY A NATURAL AREA, AND THE LARGEST SURFACE OF THE ISLAND IS MADE BY KARST. SOME LARGER FOREST AREAS ARE LOCATED ON THE NORTHWEST. FURTHERMORE, INLAND WATERS ARE LOCATED IN THE SOUTHERN PART OF THE ISLAND. STATE AND LOCAL ROADS ARE ROUTES WITH THE GREATEST SIGNIFANCE, AND NODES ARE COMPOUNDS OF MENTIONED SIGNIFICANT ROUTES.



- ANALIZA PO FORMANU I GODRONU
 LEGENDA
- Obalna linija
 - PRIRODNA
 - Matrica - Suhi travnjaci, makija i goleti
 - Šume i kopnene vode (jezera)
 - ANTROPOGENO
 - Naselja
 - Poljoprivredne površine, solane i ceste

LANDSCAPE ECOLOGICAL ANALYSIS BY FORMAN AND GODRON

ACCORDING TO THE ANALYSIS, NATURAL ELEMENTS ARE DOMINATING. DRY STONE WALLS ARE CLASSIFIED UNDER NATURAL AND CULTURAL HERITAGE AND KARST DOESN'T REPRESENT A MAJOR NATURAL SIGNIFICANCE IN THE AREA. GRASSLANDS ARE STRETCHED OVER THE NORTHERN AND SOUTHERN PART OF THE ISLAND, BUT AS WELL AS THE KARST, THEY DON'T HAVE LARGER NATURAL SIGNIFICANCE. NATURAL PATCHES (FORESTS, ABANDONED AGRICULTURAL AREAS, STAGNANT WATERS) ARE SCATTERED AROUND THE ISLAND IN PARTS. FORESTS MUST BE INCORPORATED INTO THE ISLAND DEVELOPMENT DUE TO THEIR HIGH VULNERABILITY.

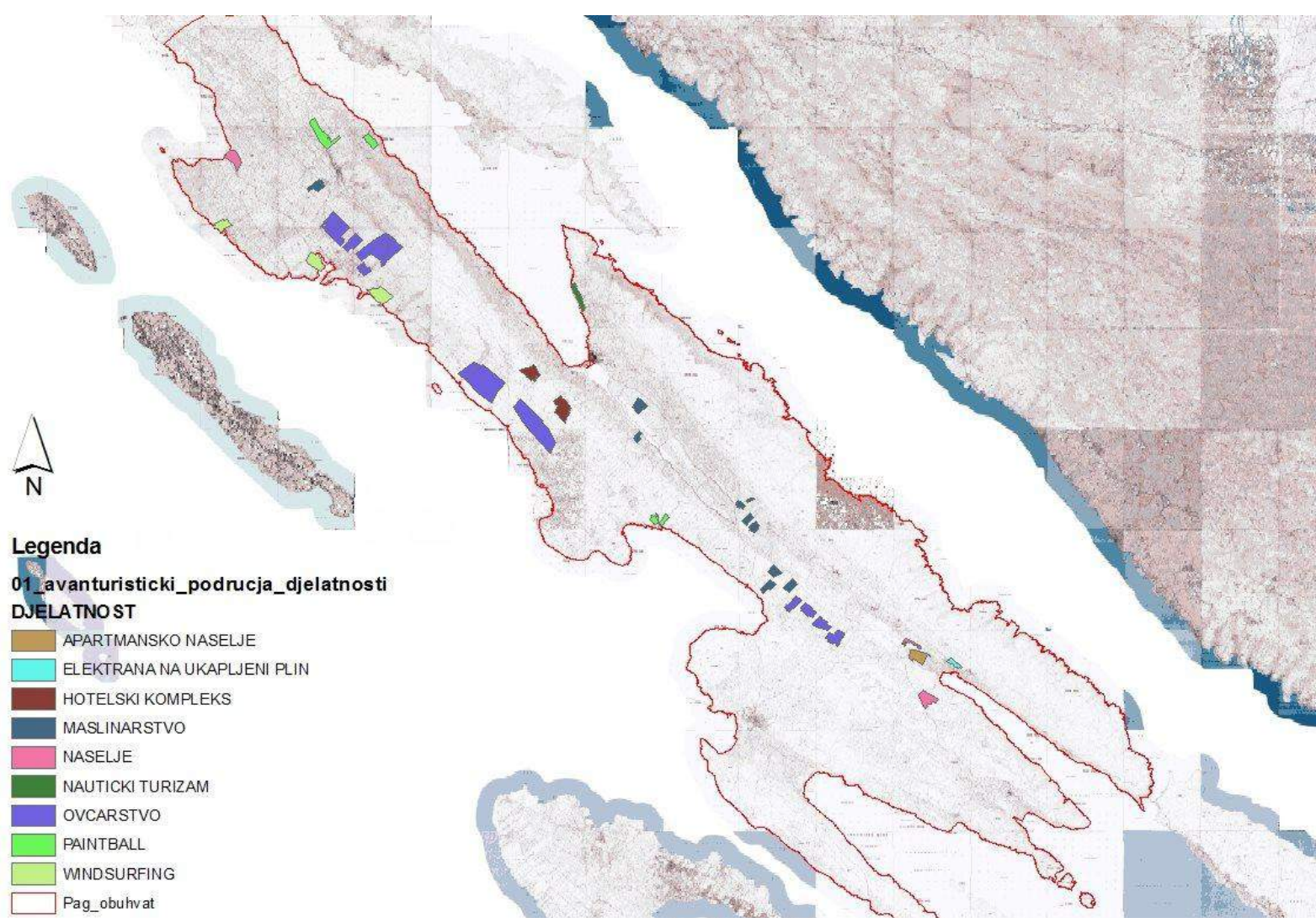


ZONING

CONCEPT

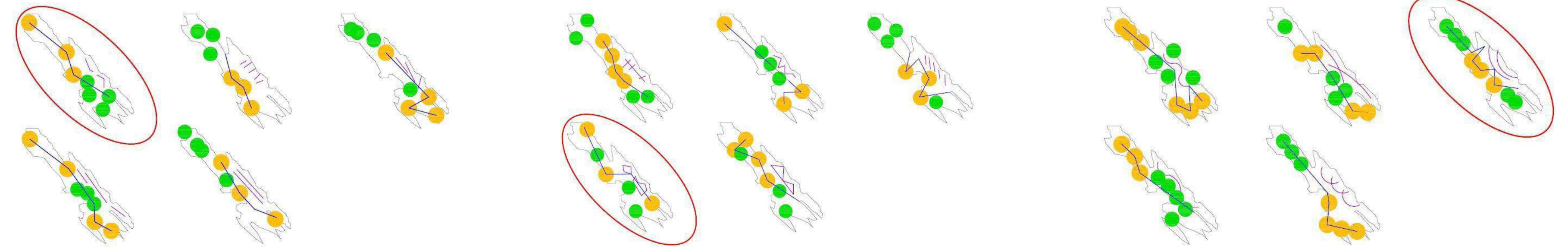
CONCEPT DESCRIPTION

VARIOUS ACTIVITIES ARE DISPERSED THROUGHOUT THE TERRITORY OF THE ISLAND. TOURIST CONTENTS ARE LOCATED NEAR POPULATED AREAS. NAUTICAL TOURISM, HOTEL AND APARTMENT FACILITIES ARE LOCATED IN THE SAME AREAS. THE RECREATION AREA (GOLF, PAINTBALL AND WINDSURFING) IS LOCATED AWAY FROM THE SETTLEMENTS SO THAT RECREATION COULD TAKE PLACE IN NATURAL ENVIRONMENT. OLIVE GROWING AND SHEEP BREEDING ARE ALSO LOCATED AWAY FROM TOURIST CONTENTS AND THEY OCCUPY FERTILE VALLEYS AND FORESTS, MOSTLY IN INLAND. ENERGETICS OCCUPIES THE PREMISES ON WHICH IT'S NOT POSSIBLE THE DEVELOPMENT OF THE ABOVE ACTIVITIES. THOSE ARE THE EASTERN, ROCKY GROUND PARTS OF THE ISLAND.



SPATIALIZATION

IT IS BASED ON PREVIOUS ANALYSIS OF SPACE BENEFITS FOR ACCOMMODATION OF INDIVIDUAL ACTIVITIES AND CHOSEN DEVELOPMENT CONCEPT. OF ALL THE ACTIVITIES ON THE ISLAND, THE LARGEST SURFACE HAS SHEEP BREEDING. NEXT IS OLIVE GROWING, THEN THE ADVENTURE TOURISM ACTIVITIES (WINDSURFING, PAINTBALL). ACTIVITIES ARE LOCATED IN VARIOUS AREAS SO THEY DON'T INTERFERE.





DIGITAL ORTHOPHOTO OVERLAPPED WITH NEW SCHOOL OF LANDSCAPE ARCHITECTURE AND RENEWED LANDSCAPE.

SCHOOL OF LANDSCAPE ARCHITECTURE DESIGN:

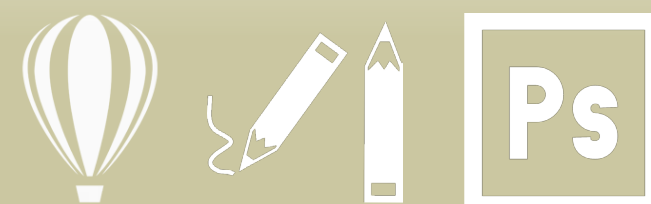
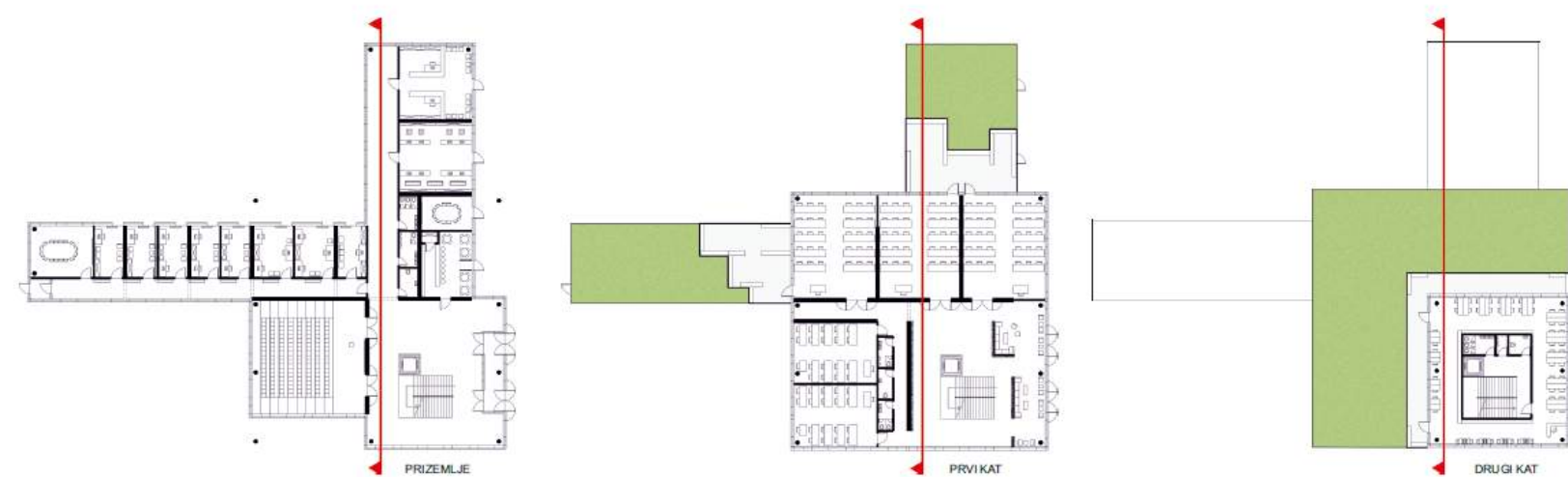
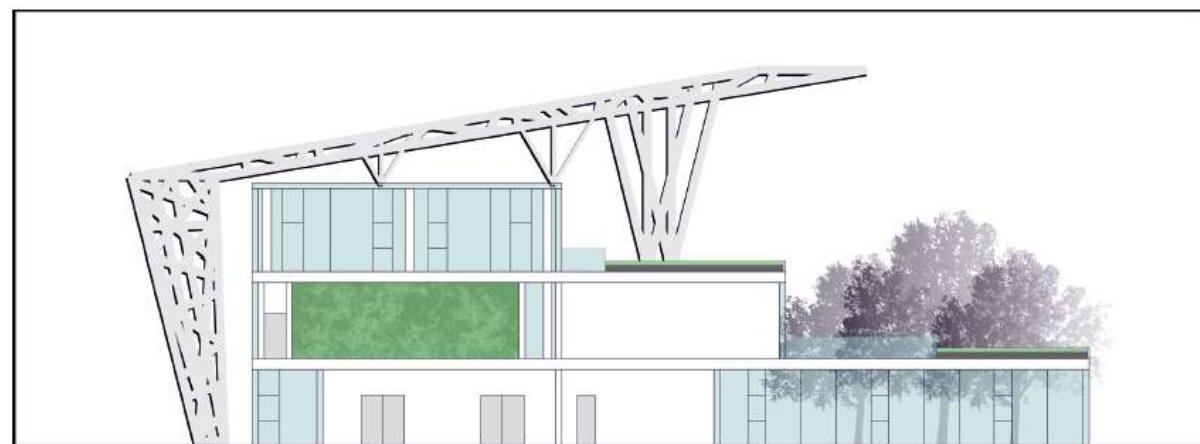
THE MAIN IDEA IN THE BEGINNING OF THINKING PROCESS ABOUT THE SHAPE OF THE HOUSE WAS TO CREATE A MEMBRANE WHICH WOULD ENVELOPE THE HOUSE AND AT THE SAME TIME UNITE ALL DIRECTIONS WHICH ARE SURROUNDING THE SELECTED LOCATION. DURING THE COMPOSITION MAKING, THAT MEMBRANE TURNED INTO LARGE PERGOLA THAT COVERED ALMOST ENTIRE HOUSE AND TOOK THE FORM OF UNFINISHED TRIANGLE. THAT TRIANGLE BENDS AT ONE POINT, PLUNGES TO THE GROUND AND PENETRATES THROUGH THE WATER SURFACE, WHICH GIVES A MIRROR EFFECT.

SINCE PERGOLA IS A VERY STRONG TRIANGULAR MOTIVE, THE HOUSE IS DESIGNED AS A SQUARE DIVIDED INTO SEGMENTS. BECAUSE OF THE DESIRE FOR ATTAINMENT OF TRANSPARENCY, HOUSE FACADE WAS MADE OUT OF GLASS.

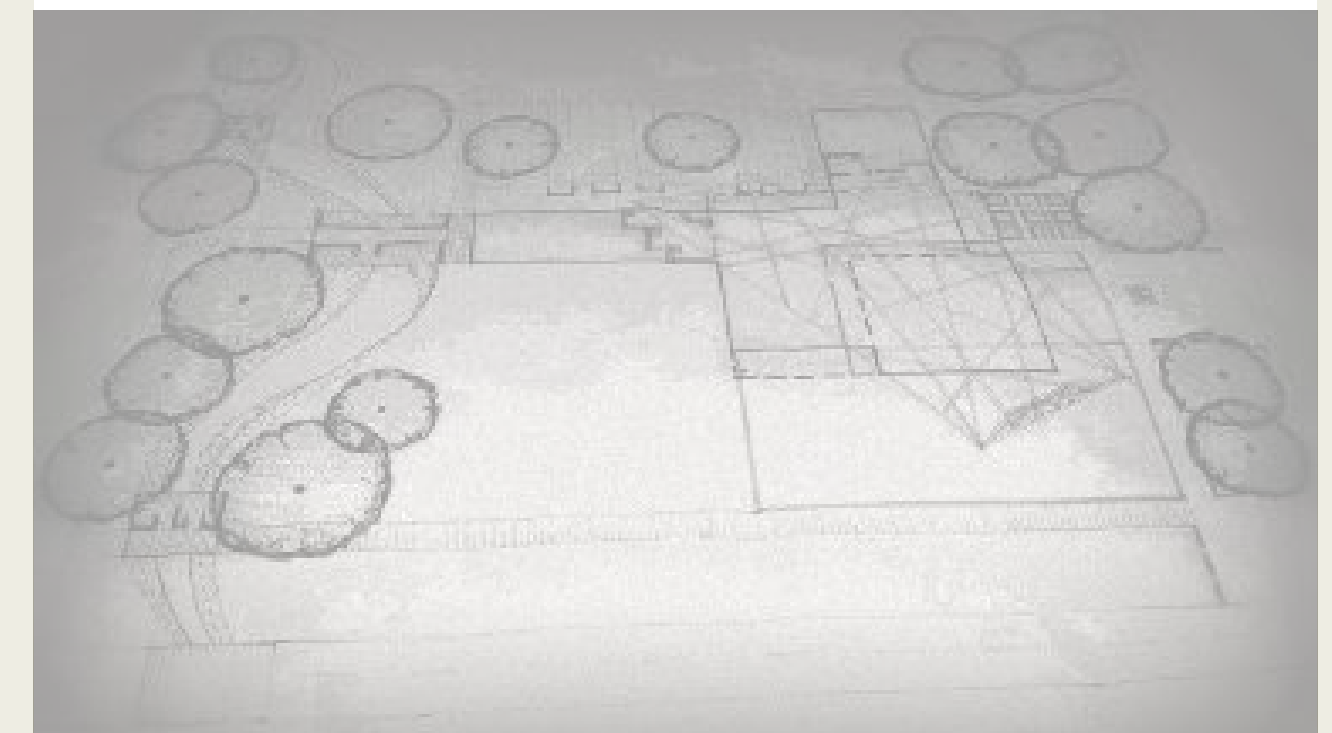
THE STREAM WHICH IS LOCATED NEAR THE HOUSE STAYED IN REDESIGNED ORGANIC SHAPE, WHILE ALL ROADS, TERRACES, BRIDGES ETC. ARE CHARACTERIZED BY GEOMETRICAL SHAPING.



DIGITAL ORTHOPHOTO WITH SEPARATED EXISTING BUILDINGS AND WITH NEW SCHOOL OF LANDSCAPE ARCHITECTURE



THE IDEA OF RECONCILIATION OF MANY DIFFERENT DIRECTIONS IS ACCOMPLISHED THROUGH THE PERGOLA (LARGE DIMENSION) THAT IS ALSO PERCEIVED AS A VERY IMPORTANT STRUCTURE IN THE AREA. THE PERGOLA AND THE HOUSE MAKE UNIQUE ENTITY AND THEY MAKE THIS SPACE RECONGIZABLE.

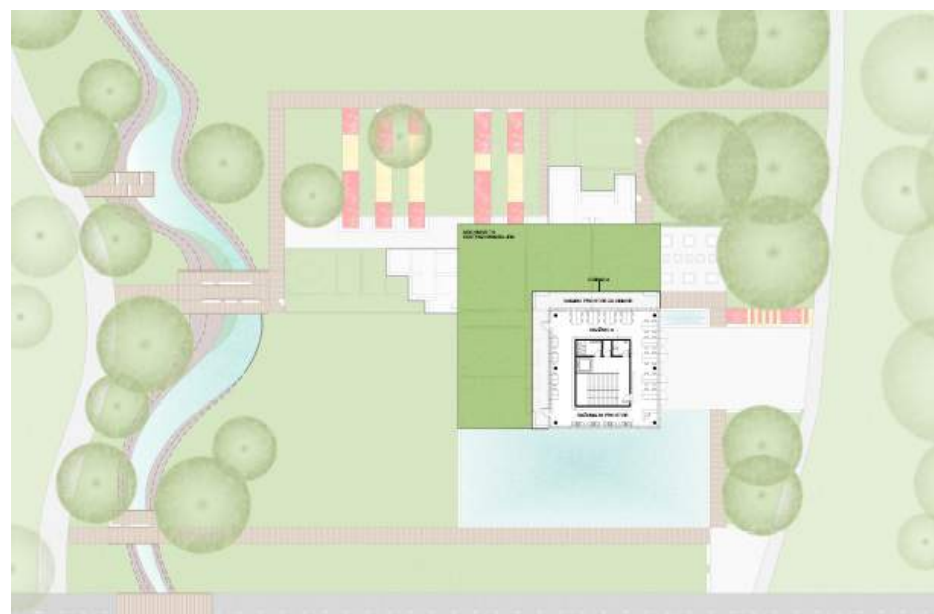




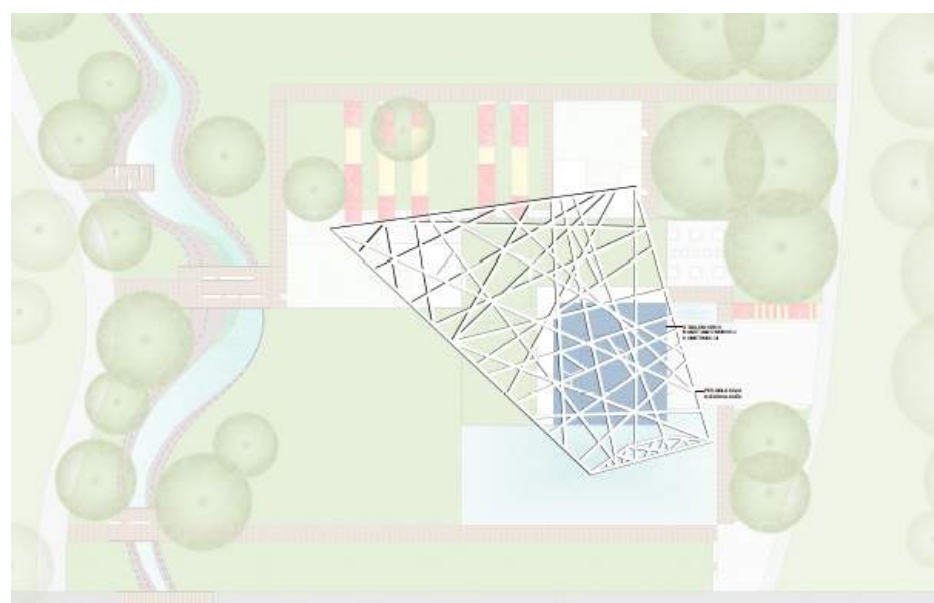
GROUND FLOOR PLAN WITH LANDSCAPE DESIGN



FIRST FLOOR PLAN

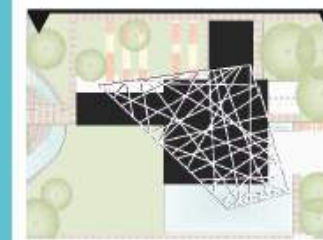


SECOND FLOOR PLAN



ROOF AND PERGOLA PLAN

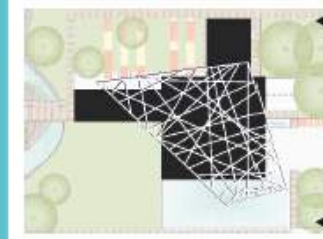
PROČELJE - SJEVER



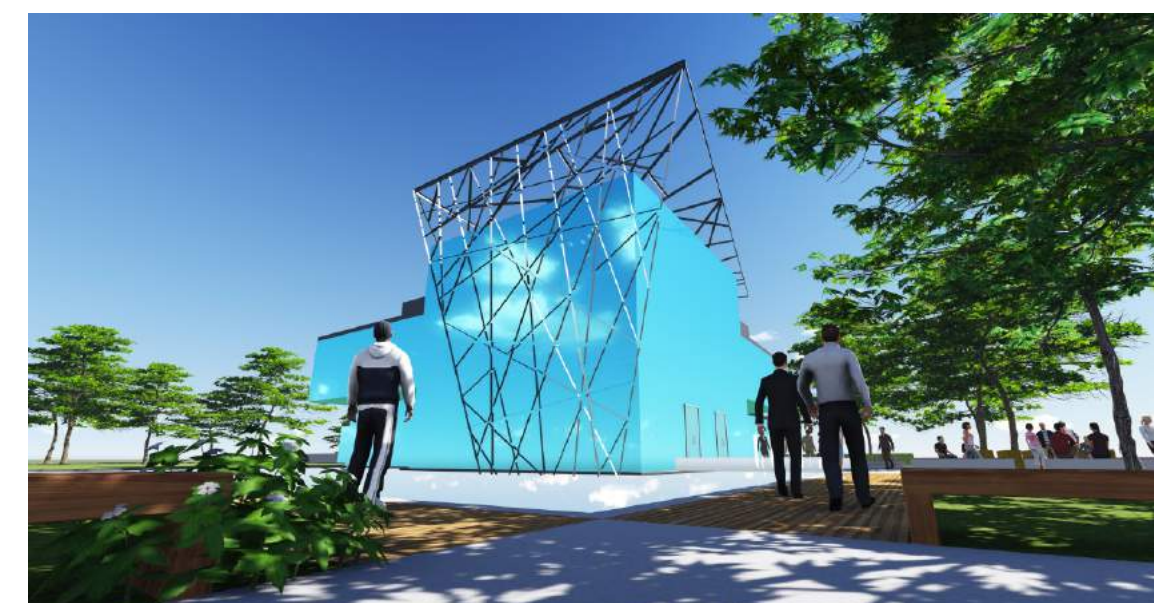
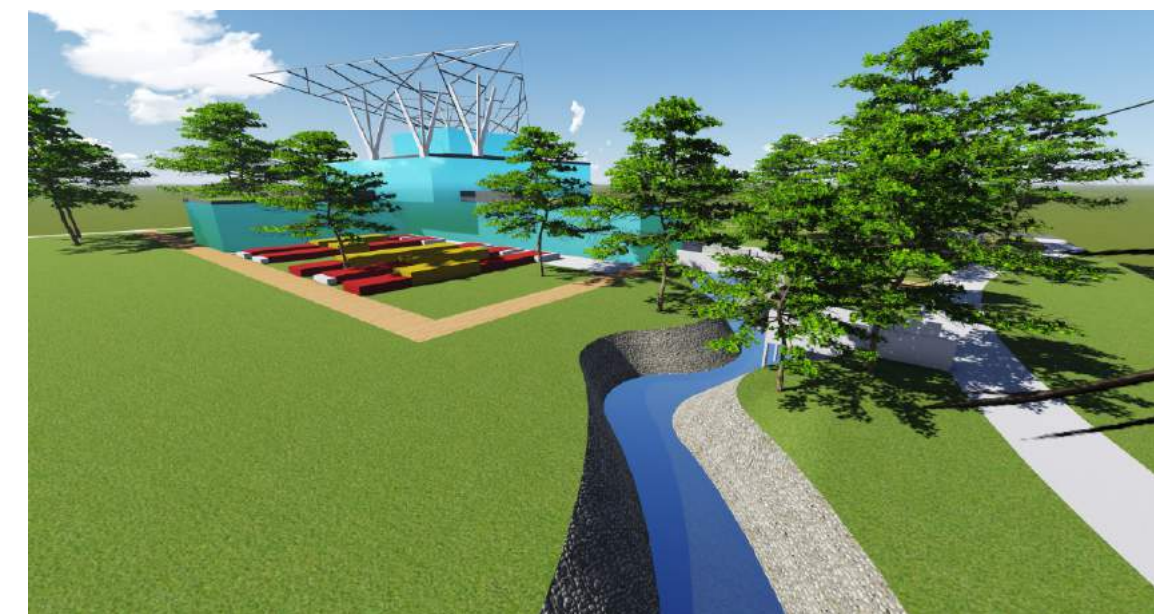
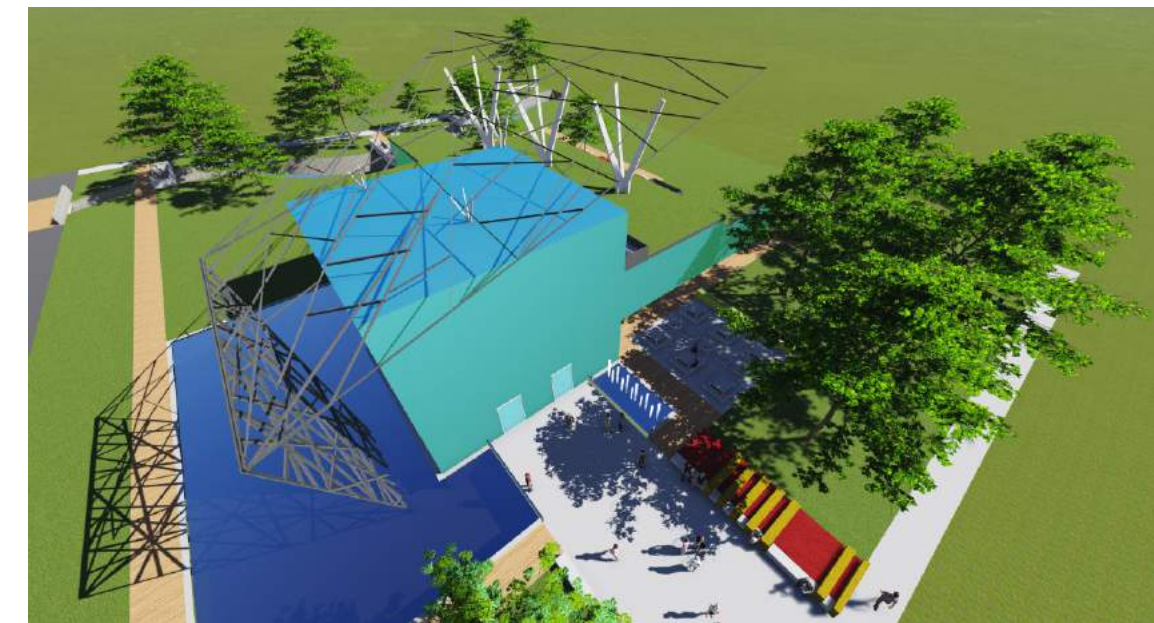
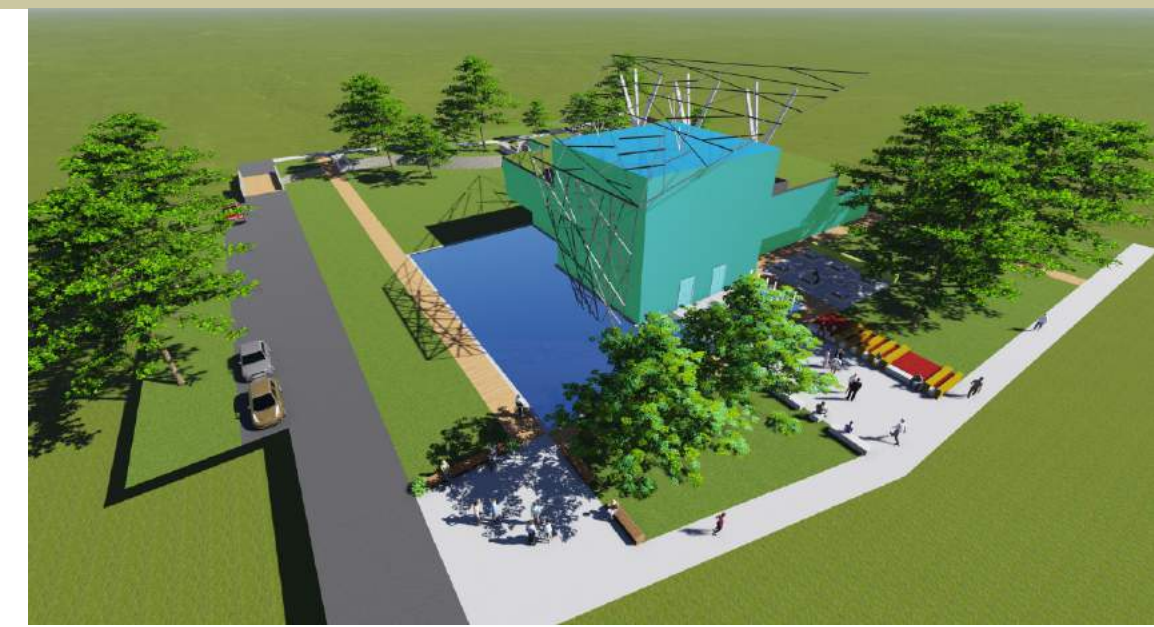
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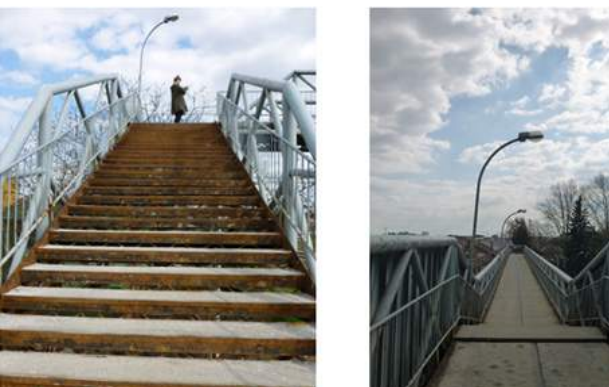
PROČELJE - ISTOK



PROČELJE - ZAPAD



3D VISUALISATION OF SCHOOL OF LANDSCAPE ARCHITECTURE



PROBLEMS:

- A LARGE NUMBER OF PEDESTRIAN BRIDGES ARE DISMANTLED, ESPECIALLY THE ONES THAT WERE CROSSING OVER THE RAILWAY AND ARE REPLACED WITH PEDESTRIAN UNDERPASSES
- THE REMAINING PEDESTRIAN BRIDGES HAVE EXCLUSIVELY TRANSIT CHARACTER
- RESIDENTIAL AND AESTHETIC QUALITIES ARE IGNORED
- THOSE BRIDGES AREN'T SUITED TO ALL AGE GROUPS, PEOPLE WITH SPECIAL NEEDS AND BICYCLISTS
- LACK OF MAINTENANCE AND SECURITY ARE IMPORTANT FACTORS THAT INFLUENCE THE BRIDGES AS A PEDESTRIAN INFRASTRUCTURE

OBJECTIVES:

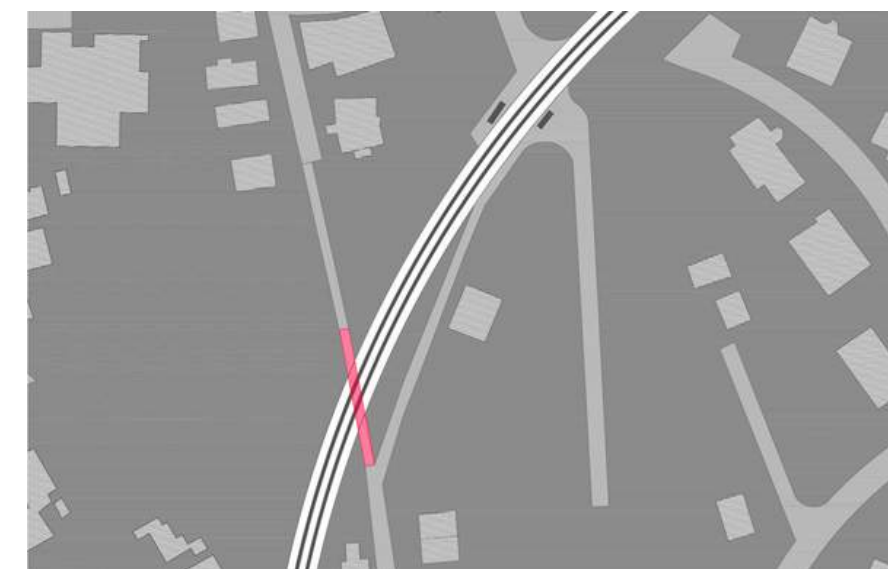
- TO IDENTIFY EXISTING PEDESTRIAN BRIDGES IN ZAGREB, AS WELL AS THE POTENTIAL LOCATIONS FOR NEW BRIDGES
- USE SPATIAL ANALYSIS TO DETERMINE PROBLEMS THAT ARE OCCURRING ON THE LOCATION AND THE MENTIONED BRIDGES
- IDENTIFY USERS BY RESEARCH OF PUBLIC OPINION, FIND OUT THEIR VIEWS, WISHES AND NEEDS RELATED TO THE BRIDGES
- OFFER A PROPOSAL FOR A NEW PEDESTRIAN BRIDGE DESIGN BASED ON SPATIAL ANALYSIS AND CONDUCTED INTERVIEWS

REDESIGNED EXISTING BRIDGE IDEA BY REDESIGNING THE OLD PEDESTRIAN BRIDGE, IT GAINED A NEW APPEARANCE. ALSO BY CHANGING THE PAVING, ADDING A NEW COLOR, VISUALLY ATTRACTIVE AND INTERACTIVE ELEMENTS AND REMOVING THE WASTE, OTHER WORDS, DOING THE REGULAR MAINTENANCE, THE BRIDGE IS RENEWED. THE WALKING TRAIL BY WHICH LEADS TO THE BRIDGE IS ENRICHED WITH BENCHES, TREES FOR SHADING, WALLS DECORATED WITH CHILDRENS GRAFFITI AND PLAYGROUND EQUIPMENT FOR BALANCE. CONSIDERING THAT JUNIOR SCHOOL AND NURSERY ARE NEAR THE BRIDGE AND THAT THE SAME BRIDGE WAS BUILT WITH PURPOSE TO MAKE CHILDREN SAFE WHILE CROSSING THE RAILS, CONTENTS ARE MOSTLY ADJUSTED TO THESE AGE GROUPS. WITH THAT IN MIND, TO MAKE CROSSING OVER FROM THE BRIDGE TO THE WALKING TRAIL MORE EFFICIENT, POORLY PLACED STAIRS ARE REPLACED WITH RAMP SO THAT DISABLED PEOPLE CAN HAVE EASIER ACCESS TO THE BRIDGE.

THE PEDESTRIAN BRIDGE ABOVE THE TRAM TRACKS IN GRAČANI

PEDESTRIAN BRIDGE IN GRAČANI SETTLEMENT (ZAGREB). WITH PURPOSE OF SAFE CROSSING OVER THE TRAM TRACKS, IS THE ONLY ONE IN THE (UNDER SLJEME MOUNTAIN) AREA.

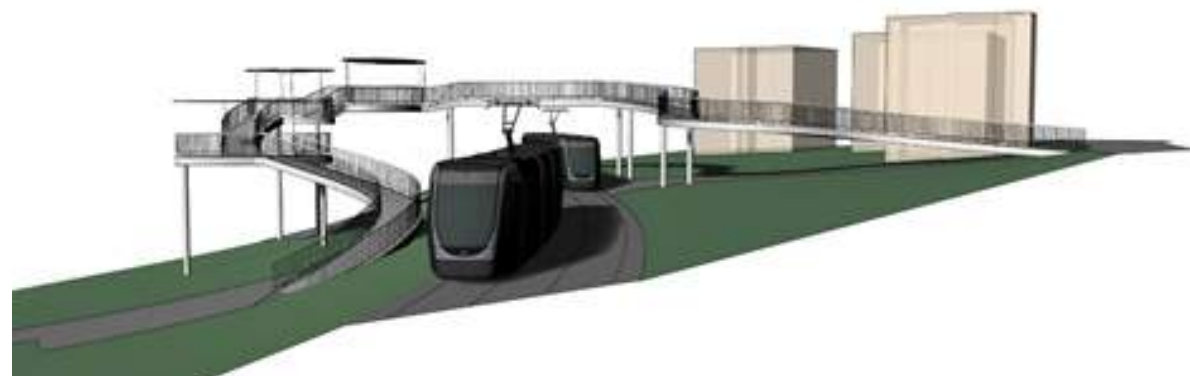
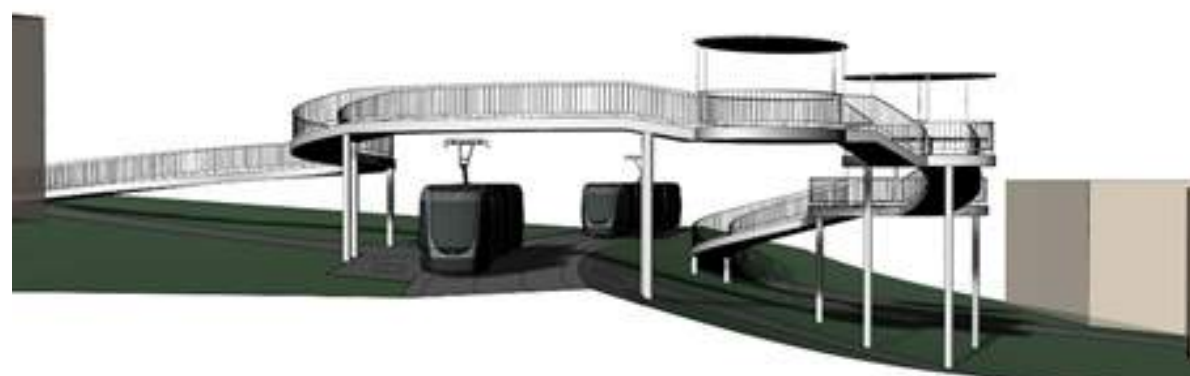
IN ADDITION TO PROVING SECURITY OF THE RESIDENTS, THE BRIDGE IS BECOMING NEW EMPHASIS IN THE AREA AND AS SUCH BRINGS NOVELTY TO TILL THEN COMMON VIEWPOINT OF THE SETTLEMENT.



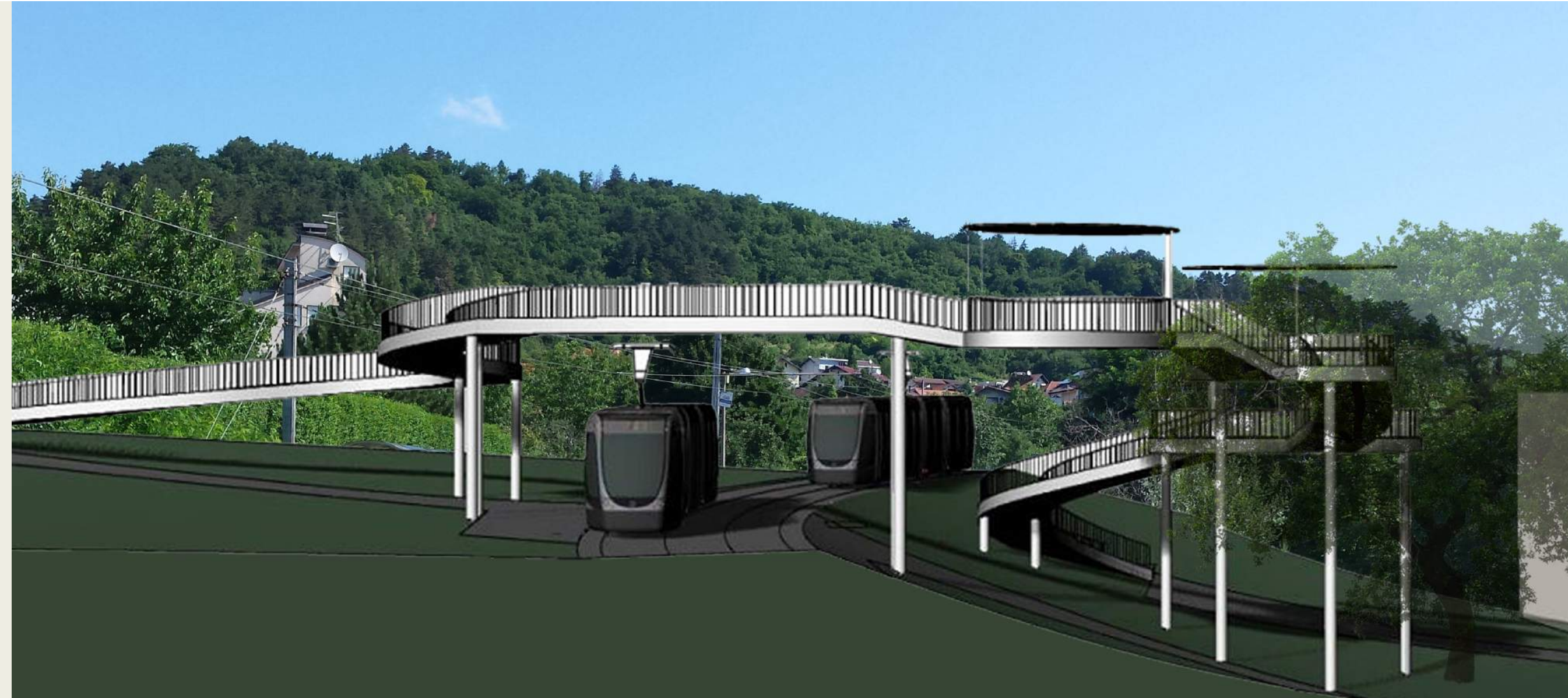
PLAN OF THE CURRENT SITUATION WITH THE PROPOSAL OF A NEW BRIDGE

PLAN OF THE CURRENT SITUATION WITH MARKED BRIDGE





NEW LOCATION AND BRIDGE DESIGN



BY RELOCATING THE BRIDGE TO THE PROXIMITY OF THE TRAM STATION, ITS USAGE WILL BE INCREASED BECAUSE OF THE FACT THAT MORE PEOPLE GRAVITATE TOWARDS THE EASTERN PART OF THE SETTLEMENT AND THE DIRECT CROSSING OVER THE TRAM RAILS WILL BE AVOIDED. IT HAS BEEN NECESSARY TO OVERCOME THE TERRAIN SLOPE TO AVOID THE STAIRS SO THAT WOULD BE EASIER FOR DISABLED PEOPLE. BECAUSE OF THE DESIRABLE VISTAS TOWARDS THE MEDVEDNICA MOUNTAIN, THERE ARE THREE RESTING PLACES ON THE BRIDGE WITH DIFFERENT SIZES IN THE SHAPE OF AN ELLIPSE INSIDE WHICH ARE THE EXHIBITION PANELS. SINCE THE BRIDGE HAS WINDING WALKING TRAIL WHICH GOES AROUND THE TRAM STATION AND NEARBY GREEN SURFACES, THE EXPERIENCE OF THE PEDESTRIAN IS CONSTANTLY CHANGING.

CONCLUSION

DURING THE ANALYSIS OF THE LOCATION, INTERVIEW OF THE BRIDGE USERS WAS MADE AND AFTER THE OBTAINED DATA, THAT INTERVIEW WAS PROCESSED. FOR EVERY LOCATION THE RESULT WAS OBTAINED. IT SHOWED PROBLEMS CONNECTED WITH THE PLACEMENT, FUNCTION AND AESTHETIC APPEARANCE OF THE CONSTRUCTION. BASED ON ALL RESULTS, PROPOSITIONS OF RECONSTRUCTION OF THE BRIDGE WERE GIVEN BY VISUALISATION, AND EVERY ONE OF THEM SHOWS THE AESTHETIC CHANGES THAT ARE IMPROVING IMPRESSION OF WIDER SCOPE, GIVING THE IDENTITY AND FUNCTIONALITY OF THE SPACE. BY RECONSTRUCTING THE BRIDGE, THE SAFETY OF THAT LOCATION WOULD GREATLY IMPROVE TO ITS ACTIVE USAGE.



THESIS SUMMARY

IN THIS PAPER, THE URBAN VILLAS AND THEIR IMMEDIATE LANDSCAPE IN SELECTED SEGMENTS OF NOVAKOVA STREET IN ZAGREB, WHOSE APARTMENT BUILDINGS WERE BUILT IN THE PERIOD BETWEEN 1931. AND 1941. WERE EXPLORED AND COMPARED. SIMILARLY, AN ANALYSIS AND INVENTARISATION OF THE GRACANI SETTLEMENT WAS MADE, MORE PRECISELY, KVINTICKA STREET AND GRACANSKE DUZICE, ALSO IN ZAGREB, WHOSE APARTMENT BUILDINGS WERE BUILT IN THE 21ST CENTURY. THE HISTORICAL OVERVIEW OF SPATIAL PLANNING OF THE CITY WAS BRIEFLY DESCRIBED. FURTHERMORE, THE IMPORTANCE OF URBAN PLANNING WAS EMPHASIZED, URBAN PARAMETERS WERE PRESENTED AND COMPARED AND A COMPARATIVE ANALYSIS OF THESE TWO SETTLEMENTS WAS PERFORMED.



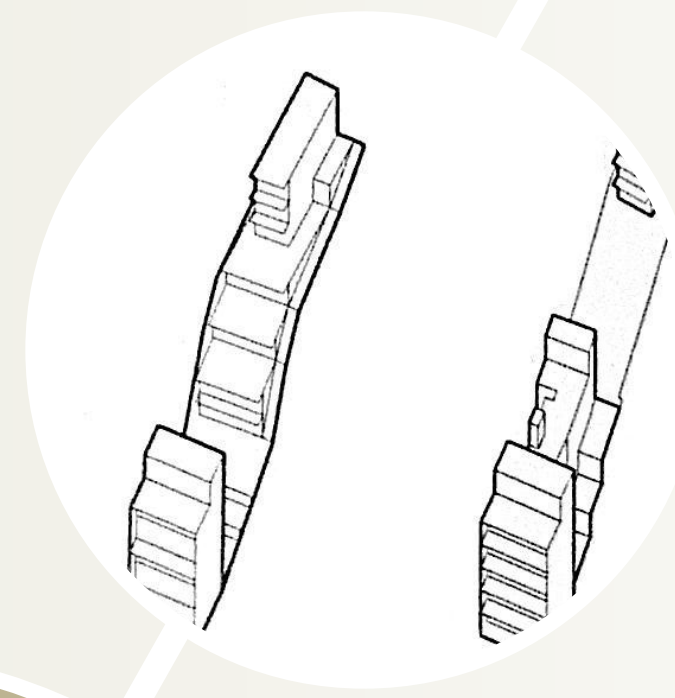
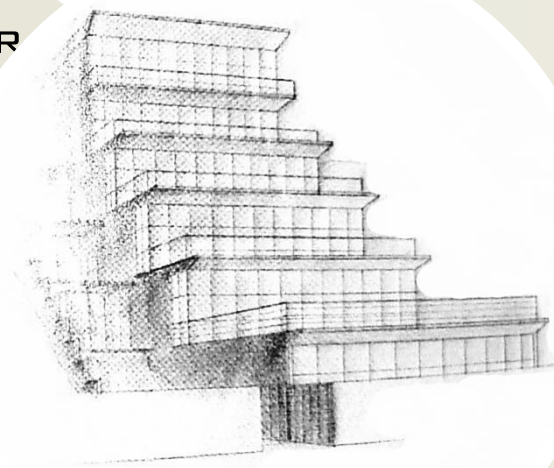
SATELLITE PHOTO OF KVINTICKA STREET AND GRACANSKE DUZICE



SATELLITE PHOTO OF NOVAKOVA STREET

COMPARATIVE ANALYSIS OF URBAN PARAMETERS (GRACANI AND SALATA)

NOVAKOVA STREET HAS IN AVERAGE ALMOST 3 TIMES GREATER AMOUNT OF NATURAL TERRAIN IN RELATION TO KVINTICKA STREET AND GRACANSKE DUZICE THUS PROVIDING A BETTER LIVING ENVIRONMENT FOR PEOPLE IN THE LOCAL VILLAS. KVINTICKA ST. AND GRACANSKE DUZICE DON'T OFFER THE SAME QUALITY OF LIFE. ONE OF THE REASONS FOR LACK OF NATURAL TERRAIN IN GRACANI SETTLEMENT IS THAT PARKING LOTS ARE BUILT WITHIN THE PARCEL WHICH IS NOT THE CASE IN NOVAKOVA ST. WHERE CARS ARE BEING PARKED PARTIALLY ON THE STREET AND PARTIALLY ON THE SIDEWALK. THE THINGS THAT BOTH OF THE LOCATIONS HAVE APPROXIMATELY SIMILAR ARE THE AVERAGE AREAS OF PARCELS, VALUES OF THE CONSTRUCTION OF BUILDING PLOT, NUMBER OF FLOORS, GROSS BUILDING AREA, DEVELOPMENT AND UTILIZATION OF CONSTRUCTION PARTICLES. LOOKING AT THE TOTAL AMOUNT OF PARCEL AREA IN GRACANI AND SALATA SETTLEMENT, IN NOVAKOVA STREET IT IS 1,31 TIMES HIGHER. THE REASON FOR THAT IS THE SPACE THAT THE ROAD OCCUPIES INSIDE THE BOTH COVERAGE AREAS. KVINTICKA ST. AND GRACANSKE DUZICE OCCUPY A LARGER AREA THAN NOVAKOVA ST. WHICH IS SHORTER THAN THE ABOVE MENTIONED ROADS.



THESIS OBJECTIVE

THE OBJECTIVE IS TO STUDY, ANALYZE AND COMPARE THE CHARACTERISTICS OF THE TYPOLOGY OF URBAN VILLA AT THE FIRST HALF OF THE 20TH CENTURY AND URBAN VILLA FROM 21ST CENTURY ON SELECTED SEGMENTS (SAME AREA SIZE) OF NOVAKOVA STREET AND GRACANI SETTLEMENT. URBAN PARAMETERS WILL BE COMPARED, FORMAL AND FUNCTIONAL CHARACTERISTICS OF CONSTRUCTION AND LANDSCAPE WILL BE EVALUATED, ESPECIALLY THE RELATIONSHIP BETWEEN RESIDENTIAL CONTENT AND ITS IMMEDIATE SURROUNDINGS.

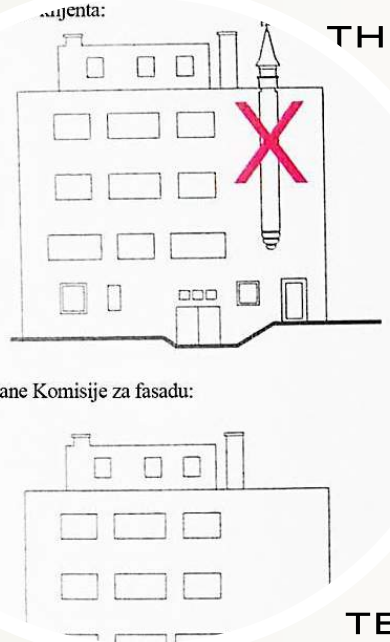
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THE OBJECTIVE IS TO STUDY, ANALYZE AND COMPARE THE CHARACTERISTICS OF THE TYPOLOGY OF URBAN VILLA AT THE FIRST HALF OF THE 20TH CENTURY AND URBAN VILLA FROM 21ST CENTURY ON SELECTED SEGMENTS (SAME AREA SIZE) OF NOVAKOVA STREET AND GRACANI SETTLEMENT. URBAN PARAMETERS WILL BE COMPARED, FORMAL AND FUNCTIONAL CHARACTERISTICS OF CONSTRUCTION AND LANDSCAPE WILL BE EVALUATED, ESPECIALLY THE RELATIONSHIP BETWEEN RESIDENTIAL CONTENT AND ITS IMMEDIATE SURROUNDINGS.



CONCLUDING REMARKS

AFTER EXAMINING THE GENERAL URBAN PLAN OF CITY OF ZAGREB, STUDYING THE SEGMENT OF CASE STUDY 08 NOVAKOVA STREET: EXTRAPOLATION, BOOKS PROJECT ZAGREB, TRANSITION AS CONDITION, STRATEGY, PRACTICE, 2007. TO OBTAIN KNOWLEDGE OF THE INITIAL AND REALIZED PLANS OF THE CONSTRUCTION OF URBAN VILLAS IN NOVAKOVA STREET AND BY ANALYSIS OF THE CURRENT STATE OF BOTH LOCATIONS, IT WAS CONCLUDED THAT PLANNED NOVAKOVA ST. USED ALL OF ITS POTENTIAL BY THE FACT THAT PEOPLE THOUGHT ABOUT ACCOMMODATION, SIZE AND THE EXTERNAL APPEARANCE OF THE BUILDING ITSELF AND ITS RELATIONSHIP WITH LANDSCAPE. THE IMMEDIATE ENVIRONMENT OF URBAN VILLAS IN SELECTED AREAS IN GRACANI IS NEGLECTED IN TERMS OF ACCOMMODATION, APPEARANCE AND SIZE OF NEWLY MADE APARTMENT BUILDINGS, WHICH RESULTS IN POOR VISUAL QUALITY AND THUS UNDERMINES THE IMAGE OF THE SETTLEMENT AS COMFORTABLE SPACE TO STAY AND LIVE.



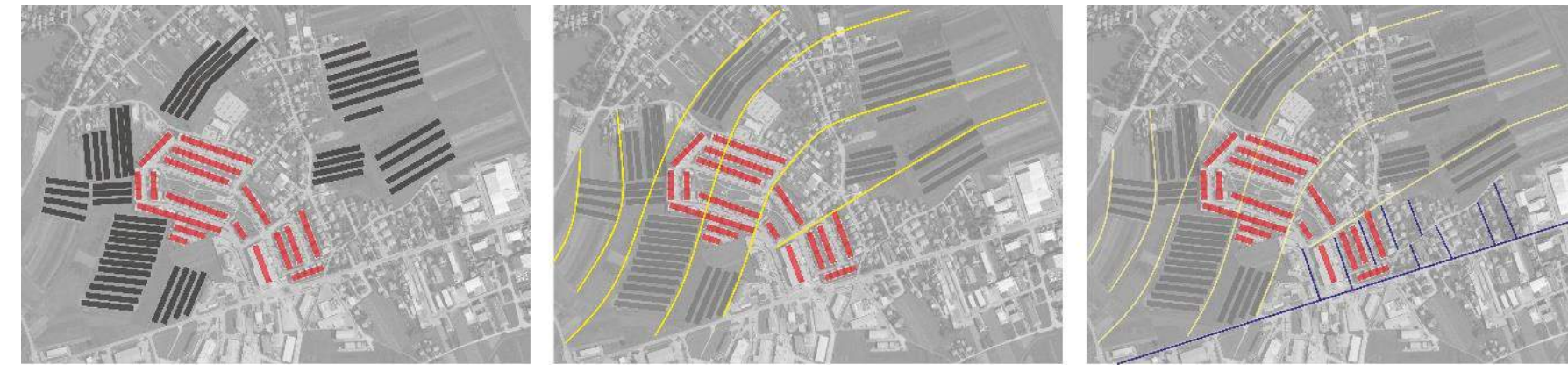
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PROBLEM DESCRIPTION

THE MAIN ISSUE OF THIS PAPER IS TO EXPLORE THE RELATIONSHIP OF RESIDENTIAL CONTENT AND IMMEDIATE LANDSCAPE THROUGH DIRECT INSIGHT AND WITH THE HELP OF URBAN PARAMETERS.

STUDY SUMMARY

IN THIS STUDY, URBAN VILLAS AND THEIR IMMEDIATE LANDSCAPE WITHIN FIRST CROATIAN CONDOMINIUM ARE EXPLORED AND COMPARED, I.E. HOTO VILLE RESIDENTIAL AND BUSINESS GATED SETTLEMENT IN SVETA NEDELJA, WHOSE CONSTRUCTION STARTED IN SEPTEMBER OF 2004. AND WAS COMPLETED IN THE MIDDLE 2005. SVETA NEDELJA IS LOCATED WEST OF ZAGREB, PRECISELY 16 KM OF AIR DISTANCE FROM ITS CENTER. THE DEFINITION OF GATED COMMUNITY, ITS ADVANTAGES AND DISADVANTAGES ARE BRIEFLY DESCRIBED. THEIR EXAMPLES IN CROATIA AND ABROAD ARE ALSO RESEARCHED. FURTHERMORE, THE IMPORTANCE OF URBAN PLANNING IS EMPHASIZED, URBAN PARAMETERS ARE PRESENTED AND ANALYZED AND COMPARATIVE ANALYSIS OF SETTLEMENTS LISTED ABOVE WAS PERFORMED.



PROBLEM DESCRIPTION

GATED SETTLEMENTS, LIKE HOTO VILLE, ARE GIVING IT'S RESIDENTS A SENSE OF SECURITY WHICH MAY ONLY BE OSTENSIBLE. SOME STUDIES INDICATE THAT THE CLOSED SETTLEMENT IS MORE ILLUSION THAN REALITY. HOWEVER, DUE TO THE INCREASE OF THE SHARE OF LOWER CLASS OF POPULATION, HIGH LEVELS OF IMMIGRATION AND RESTRUCTURED ECONOMY, THE PREVAILING OPINION IS THAT THE GATED SETTLEMENT PROVIDES STABILITY AND CONTROL OF LIVING SPACE. INCREASE OF INTEREST FOR CONSTRUCTING THESE TYPES OF SETTLEMENTS IS EXPECTED, REGARDLESS OF THE GENERAL VIEW THAT SEGREGATION CAN HAVE NEGATIVE CONNOTATIONS. (BLAKELY, E., SNYDER, M., 1998.).

RELATIONSHIP BETWEEN BUILDING AND LANDSCAPE

IN ORDER FOR BETTER DESCRIPTION OF THE RELATIONSHIP BETWEEN BUILDING AND LANDSCAPE WITHIN THE SETTLEMENT, IT IS NECESSARY TO EMPHASIZE THAT THE FORM OF THE SETTLEMENT IS DISCONTINUED. SOME PARTS OF THE SETTLEMENT ARE TAKING UP THE SPACE ALONG THE ARABLE LANDS AND SOME PARTS ARE INTERTWINED WITH NEARBY HOUSES. IT CAN BE SAID THAT THE SHOPPING CENTER AND THE KINDERGARTEN BELONG TO THE SETTLEMENT, BUT AT THE SAME TIME THEY ARE BOTH SEPARATED BECAUSE THEY AREN'T WITHIN FENCED AREA.

THESIS OBJECTIVE

THE AIM IS TO ANALYZE AND DETERMINE THE CHARACTERISTICS OF THE HOTO VILLE SETTLEMENT IN SVETA NEDELJA, PARTICULARLY REGARDING THE RELATIONSHIP BETWEEN SETTLEMENT AND BUILDINGS WITH THEIR IMMEDIATE AND WIDER LANDSCAPE. DETERMINED CHARACTERISTICS WILL BE COMPARED TO THE CHARACTERISTICS OF SIMILAR SETTLEMENTS ABROAD. ALSO, URBAN PARAMETERS WILL BE COMPARED, FORMAL AND FUNCTIONAL CHARACTERISTICS OF CONSTRUCTION AND LANDSCAPE WILL BE EVALUATED IN ORDER TO IDENTIFY ANY SPECIFIC COMMON CHARACTERISTICS OF THIS TYPE OF CONSTRUCTION AND ITS RELATION TO THE LANDSCAPE.

HOTO VILLE SETTLEMENT AND ITS IMMEDIATE ENVIRONMENT

THE SPECIFICITY OF THIS SETTLEMENT IS THAT IT IS CONSTRUCTED WITHIN THE WORKING ZONE OF THE CITY OF SVETA NEDELJA. RESIDENTIAL AREA STRMEC WITH A MAJORITY SHARE OF THE FAMILY HOUSING IS EXTENDING ON THE NORTH, BUT FROM ALL OTHER SIDES, HOTO VILLE SETTLEMENT IS SURROUNDED BY AGRICULTURAL LAND, INDUSTRY AND BUSINESS PREMISES.



CONCLUDING REMARKS

BY EXAMINING THE GENERAL URBAN PLAN OF THE CITY OF SVETA NEDELJA, STUDYING AND COMPARING THE TYPOLOGY CHARACTERISTICS OF GATED SETTLEMENTS IN CROATIA AND ABROAD TO OBTAIN KNOWLEDGE OF THE REALIZED AND UNREALIZED PROJECTS OF THE SAME NATURE, IT WAS CONCLUDED THAT HOTO VILLE SETTLEMENT HAS NOT FULFILLED ALL OF ITS POTENTIAL. COMPARING GATED SETTLEMENTS ABROAD AND HOTO VILLE SETTLEMENT IN CROATIA, IT WAS OBSERVED THAT THERE ARE MORE DIFFERENCES THAN SIMILARITIES. HOTO VILLE SETTLEMENT, AS AN INDEPENDENT UNIT IN SPACE, MEETS THE REQUIREMENTS OF THE GATED SETTLEMENT, BUT ITS LOCATION IN RELATION TO THE IMMEDIATE ENVIRONMENT IS NOT APPROPRIATE, NOR IS THE APPEARANCE OF BUILDINGS ADAPTED TO THE SURROUNDING AREA WHICH IS RESULTING WITH POOR VISUAL QUALITY AND THUS UNDERMINING THE IMAGE OF WHOLE SETTLEMENT AS A COMFORTABLE AREA FOR LIFE OF PEOPLE.

