CITY MUNICIPALITY CRVENI KRST

TURISM I TRADITION- COLORFUL. FUN. ATTRACTIVE

(Creating conditions for exploitation of tourism potential on the location Vidriste - Miljkovac)

Content of the technical documentation:

- CONCEPT DESIGN ON THE ARRANGING VACATIONLAND URBAN EQUIPMENT AND POLES WITH SOLAR LIGHT ON LOCATION MILJKOVAC- VIDRIŠTE

- CONCEPTUAL DESIGN FOR CONSTRUCTION FOOTPATHS IN THE VILLAGE MILJKOVAC IN CITY MUNICIPALITY CRVENI KRST ON CADASTRE PARCEL 4082/ 1 KO VELE POLJE

- CONCEPTUAL DESIGN FOR CONSTRUCTION FOOTPATHS IN THE VILLAGE MILJKOVAC IN CITY MUNICIPALITY CRVENI KRST ON CADASTRE PARCEL 4119 KO VELE POLJE

LOCATION OF WORKS: CADASTRE PARCEL 4082/ 1 KO VELE POLJE

CADASTRE PARCEL 4119 KO VELE POLJE

INVESTOR: CITY MUNICIPALITY CRVENI KRST,

Street Bulevar 12. februar no. 89, Nis

TURISM I TRADITION- COLORFUL. FUN. ATTRACTIVE

(Creating conditions for exploitation of tourism potential on the location Vidriste - Miljkovac)

Architectural - construction project

INVESTOR: CITY MUNICIPALITY CRVENI KRST

Chief designer:

Dr. Dragan Peric

Number of licence 311 462003

President of City municipality Crveni Krst

Prof. dr Miroslav Milutinovic

**ON CONCEPT DESIGN AND PROJECT**

TURISM I TRADITION- COLORFUL. FUN. ATTRACTIVE

(Creating conditions for exploitation of tourism potential on the location Vidriste - Miljkovac)

**PARTICIPATED:**

INVESTOR: CITY MUNICIPALITY CRVENI KRST

DESIGNER: DMM ENGINEERING, Street Bulevar Nemanjica no. 27/11, 18000 Nis

CITY MUNICIPALITY CRVENI KRST, Street Bulevar 12. februar no. 89, 18000 Nis

Chief designer: Dr. Dragan Peric

Designers: Suzana Ciric, Civil engeneer

Ivana Lukic, Architect

Marko Dinic, Civil engeneer

President of City municipality Crveni Krst

Prof. dr Miroslav Milutinovic

THE CONTENT:

1. PROPOSAL FOR PROJECT TASK- PROPOSAL FOR THE PREPARATION OF PROJECTS INTERREG IPA CBC Program Bulgaria- FOR SERBIA 2014-2020: Creating the conditions for exploiting tourism potential LOCATION VIDRIŠTE MILJKOVAC

 2. COUNCIL CITY MUNICIPALITY CRVENI KRST DECISIONS

 3. COPY OF THE PLAN FOR CADASTRE PARCELS 4082/1 4119 SC Vele Polje

4. Possession LIST CADASTRE PARCELS 4082/1 4119 SC Vele Polje

5. APPROVALS

6. CHIEF DESIGNER LICENCE AND CERTIFICATE OF VALIDITY

7. TECHNICAL DESCRIPTION

8. BILL OF QUANTITIES

9. CURRENT SITUATION

10. SITE PLAN

11. 3D MODEL

12. CONCEPT DESIGN ON THE ARRANGING VACATIONLAND URBAN EQUIPMENT AND POLES WITH SOLAR LIGHT ON LOCATION MILJKOVAC- VIDRIŠTE

13. CONCEPTUAL DESIGN FOR CONSTRUCTION FOOTPATHS IN THE VILLAGE MILJKOVAC IN CITY MUNICIPALITY CRVENI KRST ON CADASTRE PARCEL 4082/ 1 KO VELE POLJE

14. CONCEPTUAL DESIGN FOR CONSTRUCTION FOOTPATHS IN THE VILLAGE MILJKOVAC IN CITY MUNICIPALITY CRVENI KRST ON CADASTRE PARCEL 4119 KO VELE POLJE

TEHNICAL DESCRIPTION WITH PROJECT “TOURISM AND TRADITION –COLORFUL,FUN AND ATTRACTIVE”

Based on Municipality Crveni Krst Council Decision No. 767/2015-03 dated 29th September 2015, Administrative and Professional Services of Municipality Crveni Krst started working on production of Project “Creating conditions for exploitation of tourism potential on the location Vidriste - Miljkovac”. With this Project it is planned infrastructural arrangement of Vidriste location with urban equipment and arrangement of pedestrian paths, the access ones and the ones inside of vacationland.

With preliminary design it is planned arranging of vacationland with assembling of urban equipment and construction of path next to Toponica river on cadastre parcel 4119 KO Vele Polje and also access paths and paths to tower Zeleznik on cadastre parcel 4082/1 KO Vele polje. Beneficiaries on these two parcels are PWC “Srbija vode” and PC “Srbijasume”, which gave writing consent for preliminary design and realization of project in question.

Municipality Crveni Krst received a Notification from Directorate for Planning and Construction, No 351-482/15-06, dated 29th July 2015, which for this kind of construction works and works on assembling this kind of objects is not required to acquire Act for construction works. In November, Municipality Crveni Krst chose one geodetic company, based on two public procurements, for geodetic survey of terrain and design company for making of preliminary design for construction of pedestrian paths, all with a goal of getting the most accurate data needed for production of Bill of Quantities.

Conceptual designs within preliminary designs are including following:

1. Construction of access pedestrian path from village Miljkovac to Vidriste on cadastre parcel 4082/1 KO Vele Polje, which designed length is 883,84m1 . Projected width of pedestrian path is 3m, with shoulder wide 0.5m on the right and drain flume on the left. With this Project, it is planned to construct three concrete culverts Ø800, because of hilly terrain and for draining water from path with drain flume. Maximal grade of finished level is 13,78%. Tampon from stone aggregate and pebble is planned for lower carrying layer, thick 10+15cm and concrete surfacing thick 7cm.
2. Construction of pedestrian path out of rural road to the tower “Zeleznik” on cadastre parcel 4082/1 KO Vele Polje, designed length 128,30m, that is located in extremely mountainous part of the vacationland where the maximal longitudinal tilt is 38,31%. Environment in which the construction of path is being done, III and IV category of land is recognized. Width of the path is 1,2m and because of the configuration of the terrain a metal fence is planned from both sides in upper part of the path and only on one side on the lower part of the path. It is planned that the path is made from stone road surface and concrete MB 30 as finishing layer in the form of a staircase – as seen in longitudinal profile. Draining of the road is entirely gravitationally.
3. Construction of pedestrian path by the Toponica river on cadastre parcel 4119 KO Vele Polje – designed length is 478,96. Route of designed pedestrian path stretches on existing route and follows Toponica riverbed. Trail is located, largely, on lowland part of the terrain, and maximal longitudinal tilt is 7,69%. Geometry of route is done based on record of existing conditions. Draining of the path is done with longitudinal and transverse tilts with which the water is being drain away to Toponica river. Width of the path is 1.2m and construction out of stamped concrete, thick 10cm, is planned and crushed stone aggregate and pebble thick 10+20cm is planned as lower baring layer.

Arranging of vacationland is planned as presented in preliminary design, along pedestrian street by Toponica river, along existing rural path that connects this path with the path that leads to tower Zeleznik. Minimal construction works are planned so that the natural environment can be preserved, and because of that, in the place where the urban equipment is going to be assembled, it is not planned to build concrete plateaus but only building single foundation for which only bearing parts of the structure are being anchored. Also, it is not planned to cut and remove of wood but, eventually, cutting of undergrowth and overgrowth that would be in the way while construction works. All technical characteristic for assembling and production of urban equipment are given in drawings and detailed bill of quantities.

With the Project it is planned to arrange following urban equipment:

1. Hexagonal wooden marquee made out of fir wood, dimensions 2.40x2.60, with fence on which the benches are leaning on and table in the middle. Marquee roof is made out of processed boards and all construction is being anchored trough poles by concreting into the base. It is planned to place 22 marquees that are coated with coating for wood impregnation and painted in two layers with wood coating in color chosen by the investor. Height of the marquee is 4m.
2. Round picnic table for 8 persons, monolithic produced – attached to benches with body of the table, made out of fir wood, thick 5cm, according to everything on the drawing. The outer diameter is 2m, and the diameter of the table is 1.1m. Height of the table is 72cm and binding of 4 foundations is planned to concrete footings trough anchorages. For tables with benches, the same protection of the wood like with marquees is planned. The project foresees placing 8 tables on those parts of vacationland where there is already natural shade from the surrounding woods or trees by the river.
3. Placement of wooden benches is planned in 18 places by the path for resting of the pedestrians. Benches will be made, in full, out of wooden boards, thick 5cm, in all according to the drawing and in two places anchored to concrete foundations. Protection of the wood is the same as in previously mentioned urban equipment.
4. Information board on which will, among other things, will be shown a map of the vacationland and access paths will be set in two places – at the entrance of the vacationland and next to the path leading to tower Zeleznik. Construction of the board and the roof will be made out of gum pole, and the board itself and the roof out of sawn wood. Wood will be protected with coating for wood impregnation and protective color layers and connected with anchorages to two foundations.
5. Sales wooden stalls, made out of sawn wood and boards thick 5cm, in all according to sketch, for selling healthy food, souvenirs, promotion of old crafts etc. It is planned to set 2 stalls by the path that goes by the Toponica river. They will be hitched with anchorages to the foundations; wood protection is the same like in abovementioned cases.
6. Waste baskets are made out of metal construction, and the basket part is covered with wooden laths, dimensions 0.3х0.5, processed and protected according to mentioned procedure. Insole for the basket is foreseen to be metal, but that can be removed for cleaning of the basket. Attaching for foundation is trough hard faced anchorage board. Metal construction and wooden coverage are painted and protected according to investor’s order. It is planned to place 25 waste baskets.
7. Placing of road signs in vacationland will be in cooperation with company that controls the road. It is needed to acquire conditions for setting, consents, make the signs in authorized company and attach them in place where the controller of the road determinates. Placing of 3 road signs is planned.
8. For vacationland to be completely equipped and adapted to need, it is planned placement of poles with solar lighting along access path and along paths in vacationland itself. Because of the specificity of the purchase and installation of this type of lighting , it is planned to purchase the poles from companies that are registered for staging and montage of itself and it is planned to purchase them with complete equipment: pole height 4m with battery and panels carrier, solar panel 140W, controller 20A, battery 120 Аh VRLA (valve-regulated lead–acid) battery gel; LED reflector 20W. Based on the above mentioned characteristics and needs in field it is planned to place 30 poles with solar lighting.
9. With goal of preserving of built paths and urban equipment, because of the investments of higher value, it is planned to install video surveillance with 9 cameras and complete following equipment which detailed specification is given in Bill of quantities. Cameras will be placed along the path and by the tower “Zeleznik”. Also, with this position is planned setting up routers and complete equipment for wireless internet.
10. With this project it is planned setting up 2 billboards on which will be visibly highlighted data about Project and investors on the project, with which is provided visualization of the project, and one will be placed in center of village Miljkovac, and the other one in vacationland. For building and montage of billboards wooden construction is planned - frame is from wooden beams 14x14, tied to concrete footings with in advance concreted anchorages, placing the data is on printed foil which will be placed - sticked on to bearing beams dimensions 2mx1m.

CITY MUNICIPALITY CRVENI KRST

**CONCEPT DESIGN**

TITLE: CONCEPT DESIGN ON THE ARRANGING VACATIONLAND URBAN EQUIPMENT AND POLES WITH SOLAR LIGHT ON LOCATION MILJKOVAC- VIDRIŠTE

LOCATION OF WORKS: CADASTRE PARCEL 4082/ 1 KO VELE POLJE

CADASTRE PARCEL 4119 KO VELE POLJE

INVESTOR: CITY MUNICIPALITY CRVENI KRST,

Street Bulevar 12. februar no. 89, Nis

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| **DMM**  **ENGINEERING** | **DESIGN -INŽENJERING- WORKS**  Serbia, 18000 Nis, Street Bulevar Nemanjica no. 27/11  phone/ fax: 018/530-750; 533- 295; e-mail: dmm\_nis@yahoo.com |
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| **IDP** | **CONCEPTUAL DESIGN FOR CONSTRUCTION FOOTPATHS IN THE VILLAGE MILJKOVAC IN CITY MUNICIPALITY CRVENI KRST ON CADASTRE PARCEL 4082/ 1 KO VELE POLJE** |

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| Name of the Investor and address: | CITY MUNICIPALITY CRVENI KRST,  Street Bulevar 12. februar no. 89, Nis | | |
| Purpose of object and location: | Pedestrian footpaths | | |
| Class and Category: | Clasification number -211201 | Category- G | |
| Parts of technical documentation: | 0- Main book  2/2 Planning yard project (IDP) | | |
| Project ID / Date: | 141/12 | | 03/12/15 |
| Responsible person/ Chief designer: | dr Dragan Peric | | dr Dragan Peric  License number:  315 0982 03 |
| Number of copies: |  | | |

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