



## **Rehabilitation of a fountain in Tskaltubo Park**

### **Sub-Project Environmental and Social Screening and Environmental Management Plan**

**WORLD BANK FINANCED**

**SECOND REGIONAL DEVELOPMENT PROJECT (RDP 2)**

**Tbilisi, Georgia**

**June 2018**

## Environmental Screening

The sub-project (SP) for the Rehabilitation of an existing fountain in Tskaltubo Park includes full restoration of the existing fountain located in the park of Tskaltubo town and installation of additional functions as well. The existing musical fountain in Tskaltubo Central Park, built in 80-ies of the previous century, consists of three round pools of various sizes connected to each other by a rectangular pond, with a small passage bridge arranged on it. All structural elements of the fountain were made of reinforced concrete. The fountain is in a poor condition. Most part of the existing granite tiles are cracked, while some part of the tiles are detached from the wall. Electricity network, water supply and discharge systems are out of control as well. The roof of the control building is damaged and leaks, resulting damages to the wooden structures of the roof and inner floor. Asbestos pipes, nowadays prohibited due to their unhealthy effects, are used for the façade revetment.

The existing fountain will be replaced by so called “dry interactive fountain” - a pedestrian platform will be arranged in three round pools so that people can walk inside the fountain and interact and enjoy the direct contact with dancing water jets. Water will be erupted from 1,50 to 3 meters height simultaneously with synchronized lighting. The fountain will be controlled from the programmable management system. The sound system will work together with the video projection. In the main pool, a ten-meter-high water curtain will be arranged as a water screen to watch video projection (size 6x8m). Sound system consisting of four wide range speakers will be installed on the existing posts around the fountain at 4 meters height, from where the sound wave will cover the whole plaza.

For the proper operation of the rehabilitated fountain the following works shall be carried out:

- Demolition of the existing pipeline in the fountain pools and covering stone tiles from the walls;
- Arrangement of 310 meters long water supply line and connecting to central network of the city;
- Arrangement of 400 meters long power cable from transformer building to the distribution board;
- Rehabilitation of existing basalt stones and curbstones around the fountain;
- Rehabilitation of existing benches around the fountain;
- Arrangement of the drainage channel along the stairs in front of the theater;
- Arrangement of water supply network for filter-pump chamber.

SP also covers arranging assembly of a pergola along the north side of the fountain to provide shade to the resting area. The park, located in the city center, has been historically a gathering and meeting place for the people, and the area around the fountain is highly considered to be a zone of recreation and comfort. The structure will be made up of metal beams covering the whole width of the promenade.

Furthermore, within the SP, appropriate public lavatory will be arranged meeting current standards to improve the sanitary conditions in the area. Nearby the fountain there are no lavatories, as the toilets built earlier in Tskaltubo Park are located at the other end of the park in about 2 km distance from the fountain. As mentioned above, the place has been a traditional gathering area for the locals and visitors. That's why there is a need to arrange a new lavatory at the same place where the old one used to be. The old toilets were dismantled in 2012 and currently the area is cleaned from construction waste as well. The

wastewater channel of the newly build toilet will be connected to the central wastewater network of the city. The newly built toilet will be adapted to the needs of people with disabilities.

### (A) IMPACT IDENTIFICATION

<p>Has sub-project a tangible impact on the environment?</p>	<p>The SP will not have any significant or irreversible negative impacts on the environment. No sensitive environmental receptors will be affected.</p>
<p>What are the significant beneficial and adverse environmental effects of sub-project?</p>	<p>The SP is expected to have positive long term social impact on as the rehabilitation of the fountain in the Park will increase visitation. Moreover, as the SP envisages removal of asbestos-containing pipes, the environment will become safer for the visitors of the park and this will be a positive impact on public health.</p> <p>As a result of the SP, the existing fountain will be rehabilitated and renovated. This will be beneficial from the environmental point of view as the new system will support rational usage of the water resources.</p> <p>Expected negative environmental and social impacts are likely to be short term and typical for small to medium scale rehabilitation works in urban landscape: noise, dust, vibration, and emissions from the operation of construction machinery; generation of construction waste; disruption of traffic and pedestrian access. Adverse effects are also related to the process of removing asbestos-containing materials.</p> <p>All the mentioned impacts are expected to be temporary and insignificant.</p>
<p>May the sub-project have any significant impact on the local communities and other affected people?</p>	<p>No new land take and resettlement are expected during the SP implementation.</p> <p>The fountain is located in Tskaltubo Park. The land is registered as the property of Tskaltubo municipality. Cadastral information is attached to this document.</p> <p>Water and electricity supply for the local population will not be disrupted during the rehabilitation works. Only a short section of the water supply system will be locked for several hours while connecting the fountain water supply pipes to the</p>

	<p>municipal network. The population will be informed in advance.</p> <p>The SP is expected to have positive long term social impact on the social environment as the rehabilitation of the fountain in the Park will increase visitors.</p> <p>Consequently, negative impacts for local communities are short term and limited to the construction site. They are related to the possible disturbance described above.</p>
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**(B) MITIGATION MEASURES**

<p>Were there any alternatives to the sub-project design considered?</p>	<p>The project has been initiated by Tskaltubo Municipality and as the SP envisages rehabilitation works of the existing fountain, there were no alternatives considered.</p>
<p>What types of mitigation measures are proposed?</p>	<p>The expected negative impacts of the construction phase can be easily mitigated by demarcation of the construction site, traffic management, good maintenance of the construction machinery, observance of the established working hours, and well-organized disposal of waste to the formally agreed sites.</p> <p>The contractor will be responsible for the waste disposal at the permitted location; use the quarry materials from the licensed quarries only; prevention of water and soil pollution (fuel spills due to equipment failure, row asphalt/concrete spills, release of untreated pipe disinfection solvent to the natural environment, etc.); and avoiding disturbance of population (noise, dust, emissions) through proper work/supplies scheduling, traffic management, good maintenance of the construction machinery.</p> <p>Asbestos-containing pipes will be removed and disposed in accordance with the Ordinance N145 of the Government of Georgia of 29/03/2016 on “Special Requirements for Hazardous waste collection and processing”.</p> <p>Operations &amp; Maintenance Training will be executed and operation manual will be supplied by works contractor to ensure safe functioning of the fountain.</p>

<p>What lessons from the previous similar projects have been incorporated into the sub-project design?</p>	<p>MDF have a wide experience in implementation of medium and large-scale water system rehabilitation projects financed by various donor organizations. Based on lessons learned from previous similar projects, it envisages not only rehabilitation of the existing fountain in the park, but also constructing toilets and installing pergola, in order to improve visitors' comfort in the park from the social point of view. Furthermore, the newly built lavatory will be adapted to the needs of people with disabilities.</p>
<p>Have concerned communities been involved and have their interests and knowledge been adequately taken into consideration in sub-project preparation?</p>	<p>The SP has been developed by the MDF taking into consideration current needs and priorities of local population with consultation and collaboration of Municipality Assembly (Sakrebulo).</p> <p>The site-specific EMP drafted for the SP will be disclosed and discussed with local stakeholder on the public consultation meeting prior to tending of works.</p>

**(C) RANKING**

The project has been classified as environmental Category B according to the World Bank safeguards (OP 4.01) and requires Completion of the Environmental Management Checklist for Small Construction and Rehabilitation Activities.

## Social Screening

<b>Social safeguards screening information</b>		<b>Yes</b>	<b>No</b>
1	Is the information related to the affiliation, ownership and land use status of the sub-project site available and verifiable? (The screening cannot be completed until this is available)	√	
2	Will the sub-project reduce people's access to their economic resources, such as land, pasture, water, public services, sites of common public use or other resources that they depend on?		√
3	Will the sub-project result in resettlement of individuals or families or require the acquisition of land (public or private, temporarily or permanently) for its development?		√
4	Will the sub-project result in the temporary or permanent loss of crops, fruit trees and household infrastructure (such as ancillary facilities, fence, canal, granaries, outside toilets and kitchens, etc.)?		√
If answer to any above question (except question 1) is "Yes", then OP/BP 4.12 Involuntary Resettlement is applicable and mitigation measures should follow this OP/BP 4.12 and the <b>Resettlement Policy Framework</b>			
<b>Cultural resources safeguard screening information</b>		<b>Yes</b>	<b>No</b>
5	Will the sub-project require excavation near any historical, archaeological or cultural heritage site?		√
If answer to question 5 is "Yes", then <b>OP/BP 4.11 Physical Cultural Resources</b> is applicable and possible chance finds must be handled in accordance with OP/BP and relevant procedures provided in the <b>Environmental Management Framework</b> .			

# Environmental Management Plan

## PART A: GENERAL PROJECT AND SITE INFORMATION

INSTITUTIONAL & ADMINISTRATIVE	
Country	Georgia
Project title	Regional Development Project 2
Sub Project title	Rehabilitation of fountain in Tskaltubo Park
Scope of site-specific activity	<p>The sub-project (SP) for rehabilitation of fountain in Tskaltubo Park includes full restoration of the existing fountain located in the park of Tskaltubo town and installation of additional functions as well. The existing musical fountain in Tskaltubo Central Park, built in 80-ies of the previous century, consists of three round pools of various sizes connected to each other by a rectangular pond, with a small passage bridge arranged on it. All structural elements of the fountain were made of reinforced concrete. The fountain is in a poor condition. The most part of the existing granite tiles are cracked, while some part of the tiles are detached from the wall. Electricity network, water supply and sewerage systems are out of control as well. The roof of the control building is damaged and leaks, resulting damages to the wooden structures of the roof and inner floor. Asbestos pipes, nowadays prohibited due to their unhealthy effects, are used for the façade revetment.</p> <p>The existing fountain will be replaced by so called “dry interactive fountain” - a pedestrian platform will be arranged in the three round pools, so people can walk inside the fountain and interact and enjoy direct contact with dancing water jets. Water will be erupted 1,50 to 3 meters high simultaneously with synchronized lighting. The fountain will be controlled from the programmable management system. The sound system will work together with the video projection. In the main pool a ten-meter-high water curtain will be arranged as a water screen to watch video projection (size 6x8m). Sound system consisting of four wide range speakers will be installed on the existing posts around the fountain at 4 meters height, from where the sound wave will cover the whole plaza.</p> <p>For the proper operation of the rehabilitated fountain the following works will be carried out:</p> <ul style="list-style-type: none"> <li>- Demolition of the existing pipeline in the fountain pools and covering stone tiles from the walls;</li> <li>- Arrangement of 310 meters long water supply line and connecting to central network of the city;</li> <li>- Arrangement of 400 meters long power cable from transformer building to the distribution board;</li> </ul>

	<ul style="list-style-type: none"> <li>- Rehabilitation of existing basalt stones and curbstones around the fountain;</li> <li>- Rehabilitation of existing benches around the fountain;</li> <li>- Arrangement of the drainage channel along the stairs in front of the theater;</li> <li>- Arrangement of water supply network for filter-pump chamber;</li> </ul> <p>SP also covers arranging assembly of a pergola along the north side of the fountain to provide shade to the resting area. The park, located in the city center, has been historically a gathering and meeting place for the people, and the area around the fountain is highly considered to be a zone of recreation and comfort. The structure will be made up of metal beams covering the whole width of the promenade.</p> <p>Furthermore, within the SP, appropriate public toilets will be arranged meeting current standards to improve the sanitary conditions in the area. Nearby the fountain there no lavatories, as the toilets built earlier in Tskaltubo Park are located at the other end of the park. As mentioned above, the place has been a traditional gathering area for the locals and visitors. That’s why there is a need to arrange a new lavatory at the same place where the old one used to be. Old toilets were dismantled in 2012 and currently the area is cleaned from construction waste as well. The wastewater channel of the newly build toilet will be connected to the central wastewater network of the city. The newly built lavatory will be adapted for the needs of people with disabilities.</p>		
Institutional arrangements (WB)	Task Team Leader: Vica Rosario Bogaerts		Safeguards Specialist: Darejan Kapanadze – Environment Sophia Georgieva - Social
Implementation arrangements (Borrower)	Implementing entity: Municipal Development Fund of Georgia	Works supervisor: Consulting company “Steget”	Works contractor: (TBD)
<b>SITE DESCRIPTION</b>			
Name of institution whose premises are to be rehabilitated	Tskaltubo Municipality		
Address and site location of institution whose premises are to be rehabilitated	25 Rustaveli Street, Tskaltubo E-mail: <a href="mailto:Tskaltubo1@gmail.com">Tskaltubo1@gmail.com</a>		
Who owns the land? Who uses the land (formal/informal)?	Fountain are located in Tskaltubo Park. The land is registered as the property of Tskaltubo municipality. Cadastral information is attached to this document.		



<p>Description of physical and natural environment around the site</p>	<p>Tskaltubo is situated in the central part of western Georgia at the foot of the South Caucasus, ten kilometers from the city Kutaisi, a hundred kilometers from the warm Black Sea and 230 kilometers from Tbilisi, the capital of Georgia.</p> <p>Clinical data show the extraordinary wide range of curative properties of Tskaltubo as a health resort, but it became especially famous for its unique warm radioactive gaseous springs (baths) which has been well-known since the ancient times.</p> <p>Tskaltubo mineral waters are of high medical properties, they can cure (treat) about sixty diseases. It magically helps the patients who have the joint disease, the disease of the peripheral nervous system, the cardiovascular system disease, skin disease, metabolic disorder, the disease of endocrine glands, gynecological disorders and many other diseases, but since the 1970s its repertoire has included "speleotherapy", in which the cool dust-free environment of local caves is said to benefit pulmonary diseases.</p> <p>Tskaltubo is known not only as a Spa but as well as a popular tourist center. It is situated in a great hilly plain with its warm moderately humid climate. The peculiarities of the climate are formed by specially combined solar radiation, atmospheric circulation and complex topography. The solar radiation regime determines the subtropical climate of Western Georgia. Tskaltubo is famous for its mild winters (+30C) and not very hot summers (+33-350 C). So Tskaltubo can be considered to be a climate resort. Along with the treatment you can have a good rest here. There is a large beautiful park with about hundred different species of subtropical flora. There are also Historical and area Studies museums. From Tskaltubo holiday-makers can visit the second largest city Kutaisi, its museums, its Picture Gallery, ancient historical monuments, great Bagrati cathedral, Gelati Monastery and Academy, Motsameta, Geguti hunting house and fortress and other places of interests. It takes you about an hour and a half to reach the Black Sea shore or the Alpine snow-capped mountains of Svaneti. You can see the dinosaurs' traces near the cave of Sataplia. The beauty of the karst cave takes your breath away. The territory of the Sataplia National park is interesting for its fauna and flora. The popular Prometheus cave is not far from Tskaltubo. It is fairly considered one of the best in Europe. Tourists can see and admire its wonderful transparent lakes, stalactite and stalagmite woods and fairy-tale halls. For those people who do not need any treatment there are recreation facilities at their disposal, they can see eastern Georgia's sights, go to the seaside or to the mountains. So, they can both</p>
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	<p>entertain and rest. From Tskaltubo to Tbilisi tourists can travel by cars and trains.</p> <p>Moreover, throughout the RDP2 which aims to improve infrastructure services and institutional capacity to support increased contribution of tourism in the local economy of the Imereti region infrastructure, the following SPs were implemented in Tskaltubo Park: Rehabilitation of Water Supply and Sewerage System in central part of Tskaltubo Town; Construction of tourism-related small size facilities in Resort Management Office, Park and Lake "Tsivi" Territories in Tskaltubo Town; Restoration of Existing Buildings and Small Size Pedestrian Bridges in central part of Tskaltubo Town; Arrangement of Irrigation System and Landscaping of Central Park and Lake "Tsivi" Territory in Tskaltubo Town; Rehabilitation of Outdoor Lightings of the Circular Road, Central Park and Lake "Tsivi" Territory in Tskaltubo Town;</p>
<p>Locations and distance for material sourcing, especially aggregates, water, stones?</p>	<p>The fountain water supply system will be connected to the municipal network.</p> <p>Municipal area of the licensed quarry is located in 15 km distance from the SP site.</p> <p>The nearest landfill from the SP site is 15 km away.</p>
<p><b>LEGISLATION</b></p>	
<p>National &amp; local legislation &amp; permits that apply to project activity</p>	<p>The SP has been classified as low risk Category B according to the WB policies and the ESMF.</p> <p>The SP proposal has been officially presented to the MDF by local municipality for financing and represents the need and priority of the Municipal Government according to common demands.</p> <p>Georgian legislation does not require any type of environmental review, approval, or permitting for the SP. Though according to the national regulatory system:</p> <ul style="list-style-type: none"> <li>(i) construction materials must be obtained from licensed providers,</li> <li>(ii) if contractor wishes to open quarries or extract material from river bed (rather than purchasing these materials from other providers), then the contractor must obtain licenses for extraction,</li> <li>(iii) if contractor wishes to operate own asphalt or concrete plant (rather than purchasing these materials from other providers), then the contractor must obtain an environmental permit with an established ceiling of pollutant concentrations in emissions and technical report on inventory of atmospheric air pollution</li> </ul>

	<p>stationary source agreed with Ministry of Environment Protection and Agriculture;</p> <p>(iv) Permanent placement of the cut ground generated in the course of earth works in a selected location must be approved by local (municipal) governing bodies in written;</p> <p>(v) Construction waste must be disposed on the nearest municipal landfill in accordance with written agreement with the Solid Waste Management Company of Georgia Ltd.</p> <p>(vi) Copies of extraction licenses for inert materials and waste disposal permit will be provided.</p> <p>(vii) If over 200 tons of non-hazardous waste or over 1000 tons of inert materials or any volume of hazardous waste is generated annually (calculation apply to a calendar year) as a result of contractor’s general activities, they shall prepare and cause the Ministry of Environment Protection and Agriculture of Georgia to approve the inventory of Waste and Waste Management Plan for the Company, appoint an environmental manager, and submit an information on his/her identity to the Ministry of Environment Protection and Agriculture of Georgia in accordance with requirements of the Waste Code of Georgia.</p> <p>(viii) Asbestos-containing waste will be removed and disposed in accordance with the Ordinance N145 of the Government of Georgia of 29/03/2016 on “Special Requirements for Hazardous waste collection and processing”.</p> <p>GOST and SNIP norms must be adhered.</p>
<b>PUBLIC CONSULTATION</b>	
When / where the public consultation process will take /took place	Draft ESMP prepared for the SP will be made available for Tskaltubo community and will be discussed in a consultation meeting prior to tending of Works. Minutes of the public consultation meeting will be attached.
<b>GRIEVANCE REDRESS MECHANISM</b>	
<p>Appropriate grievance redress mechanism was established to solve grievances of Project-Affected People, as required. Tskaltubo Municipality has assigned a responsible person – Malkhaz Chkheidze, a head of infrastructural development and improvements of the City Hall of Tskaltubo Municipality to receive, review and react to the APs grievances (Tel: 595959601 email: <a href="mailto:malkhazchkheidze@gmail.com">malkhazchkheidze@gmail.com</a>, 25 Shota Rustaveli str, Tskaltubo Municipality). A contact person from the MDF is Nutsa Gumberidze (Tel: +995 598 88 20 19, <a href="mailto:feedback@mdf.org.ge">feedback@mdf.org.ge</a>, 150 Davit Aghmashenebeli ave., 3rd floor, 0112 Tbilisi, Georgia.)</p> <p>If the grievance will not be unsolved at the local level, it will be lodged to the MDF. As for grievance monitoring MDF registers all received compliances, comments and how the compliance was addressed. During public consultations, the local population will be informed about the grievance redress process and receive information about contact persons.</p>	
<p>Attachment 1: Site plan / photos;</p> <p>Attachment 2: Minutes of the public consultation meeting (to be provided)</p> <p>Attachment 3: Agreements, permits, contracts. (to be provided)</p>	

**PART B: SAFEGUARDS INFORMATION**

<b>ENVIRONMENTAL /SOCIAL SCREENING</b>			
	<b>Activity/Issue</b>	<b>Status</b>	<b>Triggered Actions</b>
Will the site activity include/involve any of the following?	1. Rehabilitation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Section <b>A</b> below
	2. New construction	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Section <b>A</b> below
	3. Individual wastewater treatment system	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section <b>B</b> below
	4. Historic building(s) and districts	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section <b>C</b> below
	5. Acquisition of land <sup>1</sup>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section <b>D</b> below
	6. Hazardous or toxic materials <sup>2</sup>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Section <b>E</b> below
	7. Impacts on forests and/or protected areas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section <b>F</b> below
	8. Handling / management of medical waste	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section <b>G</b> below
	9. Traffic and Pedestrian Safety	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Section <b>H</b> below

<sup>1</sup> Land acquisitions includes displacement of people, change of livelihood encroachment on private property this is to land that is purchased/transferred and affects people who are living and/or squatters and/or operate a business (kiosks) on land that is being acquired.

<sup>2</sup> Toxic / hazardous material includes but is not limited to asbestos, toxic paints, noxious solvents, removal of lead paint, etc.

**PART C: MITIGATION MEASURES**

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
0. General Conditions	Notification and Worker Safety	<ul style="list-style-type: none"> <li>(a) The local construction and environment inspectorates and communities have to be notified of upcoming activities</li> <li>(b) The public has to be notified of the works through appropriate notification in the media and/or at publicly accessible sites (including the site of the works)</li> <li>(c) All legally required permits have to be acquired for construction and/or rehabilitation</li> <li>(d) The Contractor formally agrees that all work will be carried out in a safe and disciplined manner designed to minimize impacts on neighboring residents and environment.</li> <li>(e) Workers' PPE will comply with international good practice (always hardhats, as needed masks and safety glasses, harnesses and safety boots)</li> <li>(f) Appropriate signposting of the sites will inform workers of key rules and regulations to follow.</li> </ul>
A. General Rehabilitation and /or Construction Activities	Air Quality	<ul style="list-style-type: none"> <li>(a) During pneumatic drilling/wall destruction dust shall be suppressed by ongoing water spraying and/or installing dust screen enclosures at site</li> <li>(b) The surrounding environment (sidewalks, roads) shall be kept free of debris to minimize dust</li> <li>(c) There will be no open burning of construction / waste material at the site</li> <li>(d) There will be no excessive idling of construction vehicles at sites</li> <li>(e) Truck loads should be confinement and protected with lining</li> <li>(f) Vehicles/equipment discharging black smoke must be scheduled for maintenance immediately</li> <li>(g) Limit vehicles speeds to 35-40 km on unpaved surfaces</li> <li>(h) Watering of unpaved surfaces and roads</li> </ul>
	Noise	<ul style="list-style-type: none"> <li>(a) Limit activities to daylight working hours;</li> <li>(b) During operations the engine covers of generators, air compressors and other powered mechanical equipment shall be closed, and equipment placed as far away from residential areas as possible</li> <li>(c) The machinery should move only along the preliminarily agreed route;</li> <li>(d) The maximum allowed speed should be restricted;</li> <li>(e) Proper technical control and maintenance practices of the machinery should be applied;</li> <li>(f) No-load operations of the vehicles and heavy machinery is not allowed. Proper mufflers will be used on machinery.</li> </ul>
	Water Quality	<ul style="list-style-type: none"> <li>(a) Contractor will be required to organize and cover material storage areas and to isolate wash down areas from watercourses by selecting areas that are not free draining into any watercourse. The material storage sites should be protected from washing out during heavy rain falls and flooding through covering by impermeable materials.</li> <li>(b) Contractor will plan all excavations, topsoil and subsoil storage so as to reduce to a minimum any runoff.</li> <li>(c) The site will establish appropriate erosion and sediment control measures such as e.g. hay bales and / or silt fences to prevent sediment from moving off site and causing excessive turbidity in nearby streams and rivers.</li> <li>(d) Revision of vehicles will be required to ensure that there is no leakage of fuel and lubricating materials. All machinery will be maintained and operated such that all leaks and spills of materials will be minimized. Daily plant checks (Vehicle Maintenance Procedure) will be undertaken to ensure no leaks or other problems are apparent. Vehicle maintenance,</li> </ul>

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
		<p>cleaning, degreasing etc. will be undertaken in designated areas, of hard-standing, not over made ground. Maintenance points will not be located within 50m of any watercourse.</p> <p>(e) Lubricants, fuel and solvents should be stored and used for servicing machinery exclusively in the designated sites, with adequate lining of the ground and confinement of possible operation and emergency spills. Spill containment materials (sorbents, sand, sawing, chips etc.) should be available on construction site.</p> <p>(f) Wet cement and/or concrete will not be allowed to enter any watercourse, pond or ditch.</p> <p>(g) Upon completion of washing and disinfection of water reservoir and water pipe the disinfection solution will be neutralized by the contractor prior to release to the environment – to avoid damage to terrestrial or aquatic organisms. In the case of disinfection via chlorination this is achieved by application of a reducing agent, such as sodium bisulfate to achieve de-chlorination. The reducing agent, in turn, must be applied by the contractor at the precise dosage to neutralize the disinfectant – but no more, since reducing agent residuals are also detrimental to aquatic ecosystems. Releasing of neutralized water to the environment by the contractor will be agreed with the local municipality.</p>
	Waste management	<p>(a) Waste collection and disposal pathways and sites will be identified for all major waste types expected from demolition and construction activities.</p> <p>(b) Mineral construction and demolition wastes will be separated from general refuse, organic, liquid and chemical wastes by on-site sorting and stored in appropriate containers.</p> <p>(c) Construction waste will be collected and disposed properly on the agreed location.</p> <p>(d) The records of waste disposal will be maintained as proof for proper management as designed.</p> <p>(e) Burning of waste on the SP site is forbidden.</p> <p>(f) Whenever feasible the contractor will reuse and recycle appropriate and viable materials (except asbestos)</p>
	Material supply	<p>a) Use existing plants, quarries or borrow pits that have appropriate official approval or valid operating license</p> <p>b) Obtain licenses for any new quarries and/or borrowing areas if their operation is required</p> <p>c) Reinstate used sections of quarries and/or borrowing areas as extraction proceeds on or properly close quarries if extraction completed and license expired</p> <p>d) Haul materials in of peak traffic hours</p> <p>e) Place speed regulating, diverting, and warning signs for traffic as appropriate</p>
	Soil contamination	<p>a) Use existing plants, quarries or borrow pits that have appropriate official approval or valid operating license.</p> <p>b) Obtain licenses for any new quarries and/or borrowing areas if their operation is required;</p> <p>c) Reinstate used sections of quarries and/or borrowing areas as extraction proceeds on or properly close quarries if extraction completed and license expired;</p> <p>d) Obtain wood materials only from licensed suppliers.</p> <p>e) Contractor will be required to submit to the MDF copies of the licenses, permits, written agreements, certificates, etc. to prove that all materials are obtained from licensed providers.</p> <p>f) Haul materials in of peak traffic hours;</p> <p>g) Place speed regulating, diverting, and warning signs for traffic as appropriate.</p>

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
<b>B.</b> Individual wastewater treatment system	Water Quality	(a) The approach to handling sanitary wastes and wastewater from building sites (installation or reconstruction) must be approved by the local authorities (b) Before being discharged into receiving waters, effluents from individual wastewater systems must be treated in order to meet the minimal quality criteria set out by national guidelines on effluent quality and wastewater treatment (c) Monitoring of new wastewater systems (before/after) will be carried out Construction vehicles and machinery will be washed only in designated areas where runoff will not pollute natural surface water bodies.
<b>E.</b> Toxic Materials	Asbestos management	(a) If asbestos is located on the project site, it shall be marked clearly as hazardous material (b) When possible, the asbestos will be appropriately contained and sealed to minimize exposure (c) The asbestos prior to removal (if removal is necessary) will be treated with a wetting agent to minimize asbestos dust (d) Asbestos will be handled and disposed by skilled & experienced professionals (e) If asbestos material is stored temporarily, the wastes should be securely enclosed inside closed containments and marked appropriately. Security measures will be taken against unauthorized removal from the site. The removed asbestos will not be reused
	Toxic / hazardous waste management	(a) Temporarily storage on site of all hazardous or toxic substances will be in safe containers labeled with details of composition, properties and handling information (b) The containers of hazardous substances shall be placed in a leak-proof container to prevent spillage and leaching (c) The wastes shall be transported by specially licensed carriers and disposed in a licensed facility. Paints with toxic ingredients or solvents or lead-based paints will not be used
<b>H</b> Traffic and Pedestrian Safety	Direct or indirect hazards to public traffic and pedestrians by construction activities	(a) In compliance with national regulations the contractor will insure that the construction site is properly secured and construction related traffic regulated. This includes but is not limited to <ul style="list-style-type: none"> <li>▪ Signposting, warning signs, barriers and traffic diversions: site will be clearly visible and the public warned of all potential hazards</li> <li>▪ Traffic management system and staff training, especially for site access and near-site heavy traffic. Provision of safe passages and crossings for pedestrians where construction traffic interferes.</li> <li>▪ Adjustment of working hours to local traffic patterns, e.g. avoiding major transport activities during rush hours or times of livestock movement</li> <li>▪ Active traffic management by trained and visible staff at the site, if required for safe and convenient passage for the public.</li> <li>▪ Ensuring safe and continuous access to office facilities, shops and residences during renovation activities, if the buildings stay open for the public.</li> </ul>

**PART D: MONITORING PLAN**

Activity	What (Is the parameter to be monitored?)	Where (Is the parameter to be monitored?)	How (Is the parameter to be monitored?)	When (Define the frequency / or continuous?)	Why (Is the parameter being monitored?)	Who (Is responsible for monitoring?)
<b>CONSTRUCTION PHASE</b>						
Supply with construction materials	Purchase of construction materials from the officially registered suppliers	In the supplier's office or warehouse	Verification of documents	During conclusion of the supply contracts	To ensure technical reliability and safety of infrastructure	MDF, Construction supervisor
Transportation of construction materials and waste;  Movement of construction machinery	Technical condition of vehicles and machinery; Confinement and protection of truck loads with lining; Respect of the established hours and routes of transportation	Construction site	Inspection	Unannounced inspections during work hours and beyond	To limit pollution of soil and air from emissions;  Limit nuisance to local communities from noise and vibration;  Minimize traffic disruption.	MDF, Construction supervisor, Traffic Police
Earth Works	Temporary storage of excavated material in the pre-defined and agreed upon locations;  Backfilling of the excavated material and/or its disposal to the formally designated locations;  In case of chance finds immediate suspension of	Construction site	Inspection	In the course of earth works	Prevent pollution of the construction site and its surroundings with construction waste;  Prevent damage and loss of physical cultural resources	MDF, Construction supervisor



<b>Activity</b>	<b>What</b> (Is the parameter to be monitored?)	<b>Where</b> (Is the parameter to be monitored?)	<b>How</b> (Is the parameter to be monitored?)	<b>When</b> (Define the frequency / or continuous?)	<b>Why</b> (Is the parameter being monitored?)	<b>Who</b> (Is responsible for monitoring?)
	works, notification of the Ministry of Culture and Monument Protection, and resumption of works exclusively upon formal consent of the Ministry.					
Sourcing of inert material	<p>Purchase of material from the existing suppliers if feasible;</p> <p>Obtaining of extraction license by the works contract and strict compliance with the license conditions;</p> <p>Terracing of the borrow area, backfilling to the exploited areas of the borrow site, and landscape harmonization;</p> <p>Excavation of river gravel and sand from outside of the water stream, arrangement of protective barriers of gravel between excavation area and the water stream, and no entry of machinery into the water stream.</p>	Borrowing areas	<p>Inspection of documents</p> <p>Inspection of works</p>	In the course of material extraction	<p>Limiting erosion of slopes and degradation of ecosystems and landscapes;</p> <p>Limiting erosion of river banks, water pollution with suspended particles and disruption of aquatic life.</p>	MDF, Construction supervisor

Activity	What (Is the parameter to be monitored?)	Where (Is the parameter to be monitored?)	How (Is the parameter to be monitored?)	When (Define the frequency / or continuous?)	Why (Is the parameter being monitored?)	Who (Is responsible for monitoring?)
Generation of construction waste	<p>Temporary storage of construction waste in especially allocated areas;</p> <p>Timely disposal of waste to the formally designated locations</p>	Construction site; Waste disposal site	Inspection	Periodically during construction and upon complaints	Prevent pollution of the construction site and nearby area with solid waste	MDF, Construction supervisor
Generation of hazardous waste	<p>Asbestos-containing roofing sheets are properly dismantled, packed, marked clearly as hazardous material and safely placed on temporary location;</p> <p>prior to removal, asbestos containing materials are treated with a wetting agent to minimize asbestos dust;</p> <p>Asbestos containing materials are handled and disposed by skilled &amp; experienced professional</p> <p>Hazardous waste is secured to avoid its unauthorized removal from the site.</p> <p>The removed asbestos is not reused for other purposes</p>	Construction site	Inspection	During dismantling of the sport complex roofing, before final disposal of the waste	To avoid pollution of the construction site and nearby area with hazardous materials	MDF, Construction supervisor

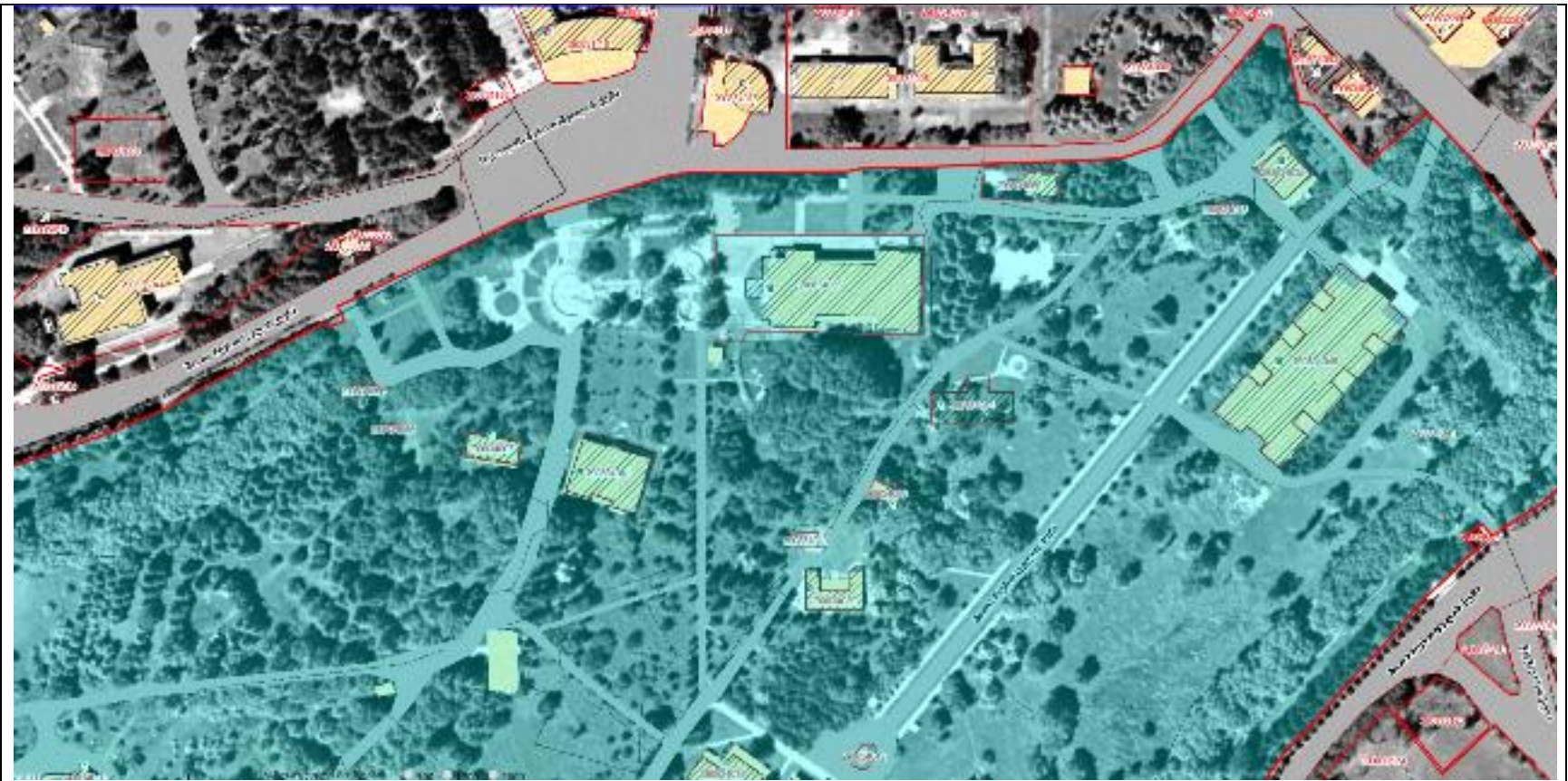
<b>Activity</b>	<b>What</b> (Is the parameter to be monitored?)	<b>Where</b> (Is the parameter to be monitored?)	<b>How</b> (Is the parameter to be monitored?)	<b>When</b> (Define the frequency / or continuous?)	<b>Why</b> (Is the parameter being monitored?)	<b>Who</b> (Is responsible for monitoring?)
	Asbestos containing materials are disposed on the permitted location					
Traffic disruption and limitation of pedestrian access	Installation of traffic limitation/diversion signage;  Storage of construction materials and temporary placement of construction waste in a way preventing congestion of access roads	At and around the construction site	Inspection	In the course of construction works	Prevent traffic accidents;  Limit nuisance to local residents	MDF, Construction supervisor
Workers' health and safety	Provision of uniforms and safety gear to workers;  Informing of workers and personnel on the personal safety rules and instructions for operating machinery/equipment, and strict compliance with these rules/instructions	Construction site	Inspection	Unannounced inspections in the course of work	Limit occurrence of on-the-job accidents and emergencies	MDF, Construction supervisor
<b>OPERATION PHASE</b>						
Maintenance of rehabilitated fountain	Proper functioning of the system	Rehabilitated fountain	Visual inspection	During maintenance works	Prevent accidents and disruption	Tskaltubo municipality

Attachment 1: Site Plan and pictures



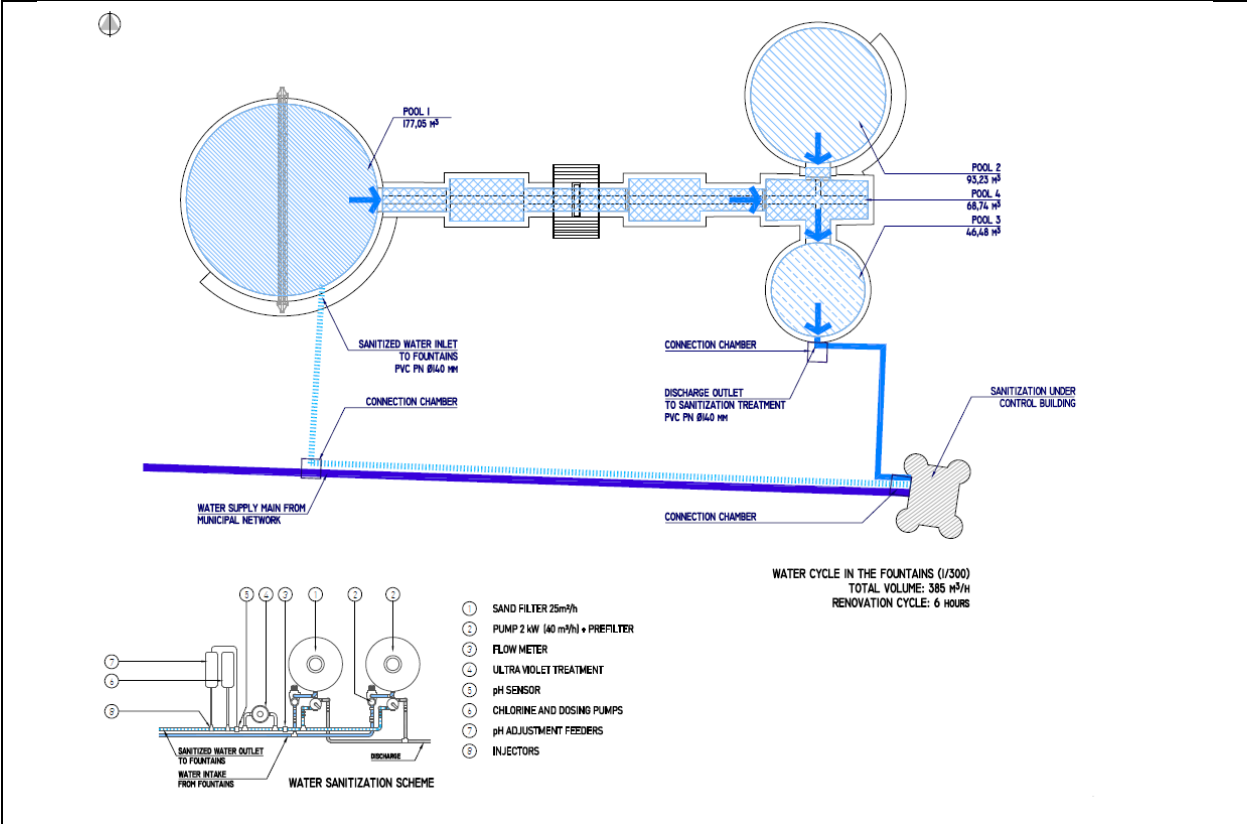




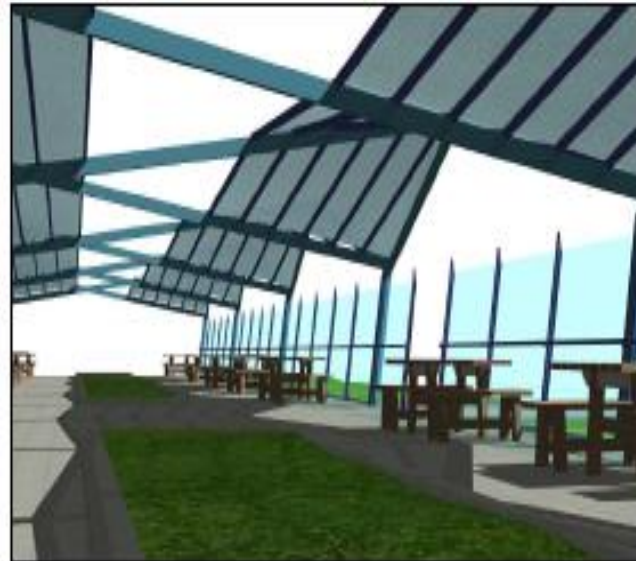
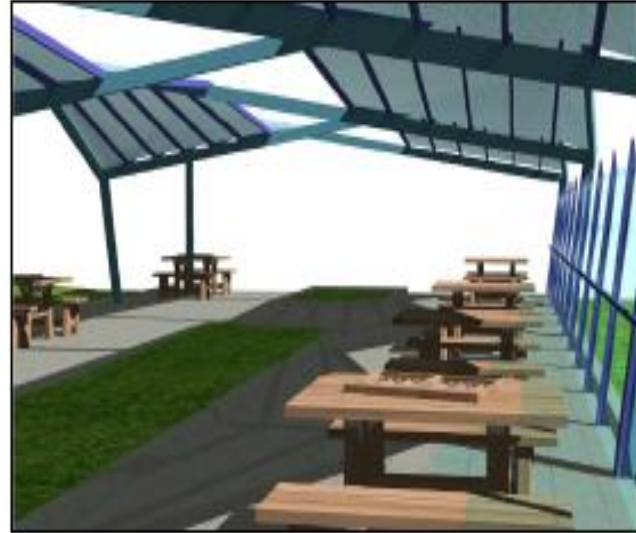
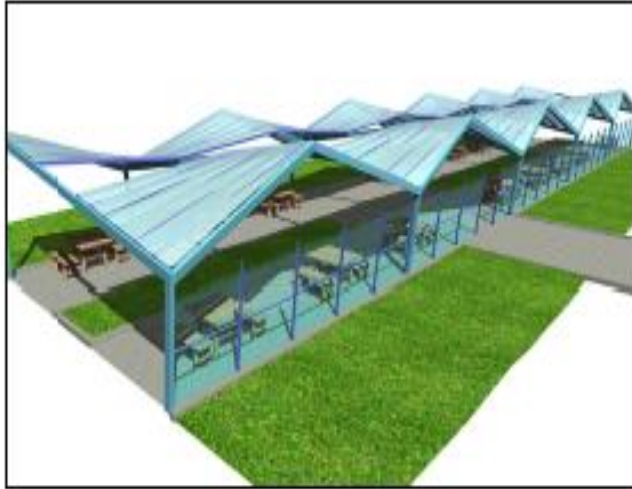














შპს (უზენაესი კლასის) საკადასტრო კოდეზი N 29.08.34.091

### ამონაწერი საჯარო რეესტრიდან

განცხადების რეგისტრაცია  
N 882017597229 - 06/07/2017 11:50:00

მომზადების თარიღი  
12/07/2017 13:32:39

### საკუთრების განყოფილება

მონა წყალგუბო	სექტორი ქ. წყალგუბო	კვარტალი	ნაკვეთი	ნაკვეთის საკუთრების ტიპი: საკუთრება
29	08	34	091	ნაკვეთის დანიშნულება: არასასოფლო სამეურნეო ნაშესტეპული ფართობი: 687480.00 კვ.მ. ნაკვეთის წინა ნომერი: შენიშვნა-ნაგებობის ჩამონათვალი: N1, N2, N3, N4, N5, N6, N7, N8, N9, N10, N11, N12, N13, N14, N15

მისამართი: ქალაქი წყალგუბო, ქუჩა რუსთაველი,  
(ცენტრალური პარკის ტერიტორია)

### შესაკუთრის განყოფილება

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უფლების რეგისტრაცია: თარიღი 24/12/2015

- უფლების დამადასტურებელი დოკუმენტი:
- მომართვა N31/709, დამოწმების თარიღი: 23/02/2015, წყალგუბოს მუნიციპალიტეტის გამგეობა.
  - მომართვა N31 3819, დამოწმების თარიღი: 03/09/2015, წყალგუბოს მუნიციპალიტეტის გამგეობა.
  - ბრძანება N31 995, დამოწმების თარიღი: 05/08/2015, წყალგუბოს მუნიციპალიტეტის გამგეობა.
  - ბრძანება N31 610, დამოწმების თარიღი: 01/06/2017, წყალგუბოს მუნიციპალიტეტის გამგეობა.
  - ბრძანება N31 1429, დამოწმების თარიღი: 28/10/2015, წყალგუბოს მუნიციპალიტეტის გამგეობა.
  - ბრძანება N31 1125, დამოწმების თარიღი: 03/09/2015, წყალგუბოს მუნიციპალიტეტის გამგეობა.
  - ბრძანება N31 1683, დამოწმების თარიღი: 17/12/2015, წყალგუბოს მუნიციპალიტეტის გამგეობა.
  - ბრძანება N31 255, დამოწმების თარიღი: 20/02/2015, წყალგუბოს მუნიციპალიტეტის გამგეობა.

შესაკუთრების  
სსიპ თვითმმართველი თემი წყალგუბოს მუნიციპალიტეტი ID ნომერი: 221274546

შესაკუთრე: აღწერა:  
სსიპ თვითმმართველი თემი წყალგუბოს მუნიციპალიტეტი

### იპოთეკა

საგადასახლო ვირაგენობა:  
რეგისტრირებული არ არის

### სარგებლობა

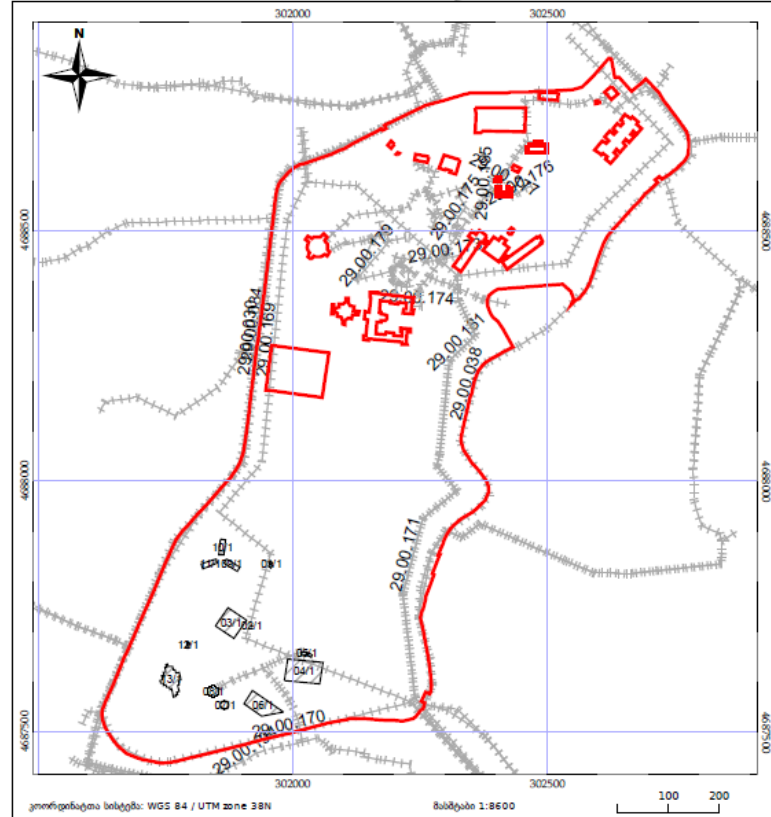
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### საკადასტრო გეგმა

საჯარო რეესტრის ეროვნული სააგენტო

საკადასტრო კოდი: **29.08.34.091** ნაკვეთის დანიშნულება: **არასასოფლო სამეურნეო**  
 განცხადების ნომერი: **882015725667** ფართობი: **687480 კვ.მ (WGS 84 / UTM zone 38N)**  
 მომზადების თარიღი: **24/12/2015**



კოორდინატის სისტემა: WGS 84 / UTM zone 38N      შაბტაბი 1:8600

ნაკვეთის საკადასტრო საზღვარი	ხაზობნა ნაკვეთის	ტყის ფონი
შენობა/ნაგებობა	მშენებარე ნაკვეთი	კალაშხა

Attachment 2: Minutes of the Public Consultation Meeting (to be provided)

Attachment 3: Agreement, Permits, Contracts (to be provided)