

***SITE: „CONSTRUCTION OF WALKING ACCESS TO A
TOURIST SITE “THE OLD BRIDGE” AND URBAN
ENVIRONMENTAL ELEMENTS FOR THE
DEVELOPMENT OF RECREATION AND TOURISM” IN
LAND 65677.701.9131 OF CM OF SVILENGRAD TOWN***

PART: HEALTH AND SAFETY PLAN

PHASE: HSP

***CONTRACTING AUTHORITY:
ASSOCIATION OF “TOGETHER FOR SVILENGRAD
“***

DESIGNER:

/ eng. I. Petkov /
HEALTH AND SAFETY PLAN

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CHARACTERISTICS OF BUILDING:

- area of the construction site: - 4900, 00 m²;

The construction consists of one level

- the category of the construction (Art.137-ATA) - fourth;

- boundaries:

north - street

south - street

west - river

east – street

HEALTH AND SAFETY PLAN (HSP)

CONTENTS

according to Article 10, Ordinance 2

1. ORGANIZATIONAL PLAN

This organizational plan has the task of ensuring that it is complete an idea of the conduct of the construction production process on the site from the day of the drawing up of the Model 2 Protocol to the date of the drawing up of the statement of Asset 15.

This complete picture is necessary and is aimed at as much detail as possible Clarification of the necessary Health and Safety Conditions.

The development of the organizational plan referred to in point 1 is in line with the timetable set out in point 3 and vice versa - the timetable is in line with the organizational decisions under point 1.

Any change in the chart under point 3 for the execution of the types of work will cause a change in organizational decisions and vice versa.

1.1. RESTRICTIVE CONDITIONS UNDER THE HEALTH AND SAFETY CONDITIONS

1.1.1 The location and the limited size of the construction site impose a strictly specific implementation organization, and hence the HEALTH AND SAFETY CONDITIONS OF LABOR LAW. The organizational arrangements provided must be strictly observed or reflected in a written record or in the Order Book.

The assignor or the person authorized shall designate a coordinator under safety and health:

Coordinators under paragraph 1, Ordinance № 2 must be qualified persons with qualification, professional experience and technical competence in the field of design, construction and safe and healthy execution of construction works, proven by diploma, licenses, certificates and others.

The construction category allows the safety and health coordinator functions for the implementation stage to be performed by the site's technical manager. Any necessary change of safety and health co-ordinator is reflected in writing.

The designated Safety and Health Coordinator fulfills all the functions provided by Ordinance No. 2. These functions need to be specified in contract and job description.

The contract with the builder and the subcontractors shall record or prescribe an explicit clause for the execution of orders issued by a health and safety coordinator related to his/ her control tasks for the HEALTH AND SAFETY WORKING CONDITIONS Act.

1.2. Stages of implementation of Construction Assembly Works

The implementation of the measures under the Health and Safety Equipment Act is divided into stages, without this separation having the obligation for payments, staff transfers, supplies, subcontracting and other similar activities.

The organizational stages of the OSB under the specific construction are the following:

FIRST STAGE: - preparation of the site;

SECOND STAGE: - excavation foundations;

THIRD STAGE: - rough construction to elevation -0.00;

FOURTH STAGE: - implementation of installations;

FIFTH STAGE: - finishing works;

SIXTH STAGE: - development of the territory;

Separation of these stages is to a certain extent conditional because there will be technological overlapping and breaks (schedule 3), but each stage begins after a review of the events and positive answers on the factsheets.

1.3. Classification of risks.

Damage that could occur during the implementation of the site construction site in accordance with the risk assessments will result from:

- 1) burial of earth masses and pits - all stages;
- 2) height drop - all stages;
- 3) strike from falling objects - all stages;
- 4) improper punching and striking - all stages;
- 5) electric shock - all stages;
- 6) overpressure - all stages;
- 7) other threats - all stages;

In the following paragraphs, the main specific organizational and technological events to be undertaken by the developer and supervised by a Safety and Health Coordinator are recorded without being considered to be entirely sufficient.

1.4. Instructions for safe operation.

In order to perform any kind of work related to the hazards identified with the risk assessment, the coordinator will require written instructions from the contractors on safety and health. A copy of each instruction will be placed in a prominent position within the reach of the site.

1.5 ORGANIZATIONAL GUIDELINES FOR OVERCOMING THE RISKS BY STAGES:

FIRST STAGE:

It is made a fence made of ready-made canvases (brass and sheet metal). The site is cleaned. Safety guards are placed, the access points to the building are determined.

The supply of electricity for construction purposes will be done on the instructions of EVN - Svilengrad after the issuance of the building permit. The location of the temporary switchboard is shown on diagram 2.

Water for production and drinking needs will be provided by a branch on "European" Street.

The location of a temporary water meter is indicated on scheme 2. House, dressing rooms and office, warehouse for materials are marked on the same scheme.

The building site is accessible from "European" Street.

The builder writes in writing for each construction, the specific waste management activities and the responsible persons for their implementation. Energy-distributing installations and facilities, especially those exposed to climatic conditions, are subject to periodic monitoring and maintenance of their technical and operational characteristics in accordance with the regulatory requirements.

Existing facilities, networks, and facilities are identified, clearly identified, verified and controlled on the site prior to its opening.

Each room is submitted for use after approval by the Safety and Health Coordinator and entry of the approval in a record or in the Order Book.

Prior to commencing the training and during the preparation of the training, the implementation of the activities on the information sheet № 1 is monitored.

SECOND STAGE:

The trench for strip foundations is executed on separate strips according to a construction project with a dredging machine that will dig and load on dumpers. The Safety and Health Coordinator and the Technical Manager will keep an eye on the work. When performing the excavation work, the Technical Manager and the Brigade are obliged to monitor the stability of the slopes and the occurrence of cracks parallel to the edges of the trench, overhanging stones or visors or in the event of a risk of slips or burglaries to dispose of workers immediately leaving the trench and removing construction machinery from endangered plots.

In the event of dangerous conditions (landslide, unexpected occurrence of gases, subduction under the building skeleton, machinery and equipment, inadmissible deformations, breakage of electrical conductors, detection of explosive substances, etc.) work ceases and workers leave dangerous places without order. Work is resumed at the direction of the technical manager after removal of the relevant risks.

Outdoor construction works are discontinued in unfavorable conditions climatic conditions (thunderstorm, heavy snowfall, heavy rain and / or wind, dense fog, dark daylight or artificial light interruption, etc.).

The builder briefly informs the workers of the works he is responsible for, for expected sudden changes in climatic conditions. The SH Coordinator and the Technical Manager will observe the work and observe the observance of the Rules for Acceptance of Ground Works and Annex № 1, Ordinance 2. If and when necessary you will stop the trench for further work with the designer. The depth of the trenches should be considered by the project to implement the foundations. A sink for the washing of vehicles and construction machinery is planned on the construction site before they are put on the street and road network when required by the respective municipal administration. If and when necessary you will stop the trench for further work with the designer. Dig and ride a finger only in the light!

The SH Coordinator and the Technical Supervisor in the supervision of the excavation works shall observe compliance with the Rules for Acceptance of Ground Works and Annex №, Ordinance 2.

Prior to commencement and at work, the activities on the data sheet № 2 are monitored.

THIRD STAGE:

- rough construction to elevation -0.00. / includes work cycles for formwork, laid foundation insulation, reinforcement, concrete foundation slab.

FOURTH STAGE:

- implementation of installations.

Installations:

pipeline;

-canalization;

-electric, telephone, fire alarm, fire-extinguishing, etc.

-Water installations;

will be performed by specialized groups of subcontractors who must be contractually obliged to abide by the general and specific rules for securing the HEALTH AND SAFETY CONDITIONS OF LABOR LAW of the particular site.

When installing new installations, the following requirements are met:

1. Electrical installations shall be installed by persons with the required electrical safety capability.

2. Parts of permanent electrical installations for temporary power supplies shall not be used until they are fully completed and put into service.

3. When conducting a test of electrical installations, precautions shall be taken to protect workers and other persons on the site from electric shock and electric shock.

4. Check the presence of gas in the shaft when working in sewers and take steps to remove it.

5. Connecting or bending plastic sewer pipes by heating is done at designated locations and at a safe distance from combustible materials.

6. Plumbing and sewerage installations shall be installed on a solid bearing structures with fasteners with sufficient load bearing capacity.

7. For installation of heating, ventilation and air-conditioning systems the technical supervisor does not allow products and parts intended for cold water to be used in hot water installations.

8. Installations, in particular connections in electrical installations, welds and reinforcements of pipes, fittings, radiators, ventilation ducts etc., which are carried out simultaneously with other types of construction works, shall be installed with the greatest care and under the direct supervision of the Technical Manager or authorized by him / her brigadier.

Prior to commencement and at work, the activities listed in data sheet 6 are monitored.

FIFTH STAGE:

- Finishing works

The main feature and the existing dangers at this stage stem from the overlapping (overlapping) of separate schedules for the majors of the use of the skeleton on the facades.

The scaffolding on the facades will be installed by trained plasterers, after special production instruction and monitoring by the Construction works and the technical manager. Comply with the requirements of Section II (Scaffold) Annex 5 to Art. 2 of Ordinance No. 2 of 2004. (Insulation and finishing works).

During the work, it is monitored for the implementation of the events data sheet 7.

SIX STAGE:

- landscaping

It will run on a separate organizational plan.

2. BUILDING SITUATION PLAN

A construction situational plan as part of the HSP is a sample of the general situation plan for the project, in accordance with the requirements and definitions in Ordinance No. 4 on the scope and content of investment projects, and in particular Article 18 (1) (1) ; Article 21 (1), item 1, letter a) Article 24 (1), item 1, letter a); Article 103, item 1; Article 124 and Article 125. Scheme 1. All the schemes in the present HSP are based on the construction situational plan required by Art. 10, item 2 of Ordinance No. 2 on the minimum requirements for health and safety at work in the construction and maintenance works.

3. COMPLEX PLAN SCHEDULE

This schedule is developed by the main contractor in accordance with the requirements for provision of HEALTH AND SAFETY CONDITIONS OF LABOR LAW, Ordinance № 2/2004.

In the implementation of this schedule, the measures envisaged in item 1 - organizational plan will be implemented; Reminders in Info Sheets №1-7; the instructions under Art. 16, item 1, item 2 of Ordinance № 2 and all the general and specific requirements of the normative acts concerning the measures under the Health and Safety Equipment Act.

This complex schedule is drawn up on the basis of the total quantitative account and is subject to update, detail and specification by the main contractor (contractor), coordinated with the subcontractors under the supervision of the health and safety coordinator. Any change in timelines and the number of workers required in this schedule will have to be reflected in accordance with Art. 11, 3 of Ordinance No. 2

4. LIQUIDATION OF FIRE AND (OR) ACCIDENTS.

No supply of inflammable and explosive materials is foreseen during construction and testing. If necessary and prescribed with an order or with an additional project the use of flammable and explosive materials will have to be prescribed and appropriate measures according to Art. 11, 3 of Ordinance No. 2. Fire-fighting events on the site are plotted on scheme 5. A HS coordinator or a technical supervisor will monitor the performance of the plates under Article 65 (2) of Ordinance 2 on a daily basis.

There is no warehouse for fire-hazardous and highly flammable materials at the site.

Specialist groups of subcontractors who will work with oxygen, propane and alloys. will be warned in writing after the end of working hours not to leave the building under any pretext fire-hazardous materials.

Specialist groups that will work with highly flammable and fire-hazardous materials will be warned in writing to carry the warning signs together with the materials (bottles) and place them in the required places.

The HS Coordinator (from the composition of the supervisor) will be responsible for requesting and constantly monitoring and checking for:

1. the condition and the location of the plates under Art. 65 (2) of Ordinance No. 2;
2. availability and announcement of instructions under Article 66 (2), item 1;
3. presence and announcement of a fire-fighting commission with permanent and replaced members, in compliance with the schedule;

4. smoking areas, smoking will not be allowed during work operations;
5. existence of an order under Article 67 (3) of Ordinance № 2;
6. state and equipment of the fire panel.

In the case of a fire or an accident, the rules of Article 74 of Ordinance No. 2 shall be applied, and for the purpose of the necessary places shall be placed the necessary indications from Appendix №2-6 in Ordinance № 4/1995. For signs and signals (see scheme 5)

5 . PLACES OF SPECIFIC HAZARDS AND SAFETY AND HEALTH REQUIREMENTS.

Sites with specific risks for this building are:

- Work on and around the skeleton.
- Work on the contour of the object
- Work on the contour of the roof.

SAFETY AND HEALTH AND SAFETY MEASURES and REQUIREMENTS are described in point 2 of the contents of this plan and in accordance with data sheets.

6. MACHINES AND INSTALLATIONS SUBJECT TO CONTROL

1. Concrete pump;
2. Temporary power lines on site.

7. RESPONSIBLE OFFICIALS

1. SAFETY AND HEALTH COORDINATOR.

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(composition of the construction supervision)

2. Technical Manager:

(of the main contractor)

3. Head of the fire department:

(from the composition of the builders)

8. EVACUATION ROADS

See Schedule 5 - Fire and Emergency Disposal.

9. MEETINGS FOR CO-OPERATIVE WORK

During the implementation of each of the stages set out in item 1.2 above, more than one builder has to work, the specialization and advocacy perceived in the complex schedule (ie from the SFA) and the dismantled

schedules by specialties. Places are not marked in circuits because they are mobile. They are determined by the contact of the installer's specialist groups with the workers of the main builder.

10. SCHEME OF PLACES OF SPECIFIC RISK

Listed in item 5 and are indicated on scheme 3

11. WASTE STORAGE PLACES

They are stored in a container (Diagram 3) and are transported periodically by container container.

12. PLACES OF SANITARY AND LIVING ROOMS

Shown on scheme 2. These are:

- o Toilet node
- o Office
- o Halls for workers
- o Warehouse for materials

13. CONDUCT SHEET

See scheme 2 for electricity, water and sewage

14. WORKING LIGHTS

No work is done in the dark. If it is necessary to apply concrete in extraordinary time, an update will be made under Art. 11, item 3 of Ordinance No. 2.

15. LEGISLATION

The Health and Safety Co-ordinator and the Technical Manager will have at their disposal the norms most needed for the performance of their work acts such as:

1. Ordinance № 2 on the minimum requirements for health and safety at work in execution of construction works.
2. Ordinance №7 on the minimum requirements for workplace health and safety at workplaces using work equipment.
3. Ordinance No. 3 on the briefing of the BHTTP staff.
4. Regulation № 4 on signs and signals for work safety and fire protection.
5. Fire construction and technical norms.

Svilengrad

Designer:.....

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