

ANNEX VIII F

PRESENTATION LAVRA_ENG.PDF

Mission Report
Joint World Heritage Centre/ICOMOS Reactive Monitoring
Mission to the World Heritage property
Kyiv: Saint-Sophia Cathedral and Related Monastic Buildings,
Kyiv-Pechersk Lavra

Kyiv, Ukraine
10 – 14 February 2020

State of Conservation of the World Heritage Property
“Kyiv: Saint-Sophia Cathedral and Related Monastic Buildings,
Kyiv-Pechersk Lavra”

WH Property Components:

Kyiv-Pechersk Lavra and Church of the Saviour at Berestove



Conservation Measures at WH Property Components taken during 2018-2019

I. Within the WH Property:

- A. Monitoring of the technical condition of the territory, buildings and structures
- B. Groundwater level monitoring
- C. Restoration works on cultural heritage monuments
- D. Archeological studies

II. Within the buffer zone:

- A. Monitoring of any town-planning transformations

I.A. Monitoring of the technical condition of the territory, buildings and structures

Complex monitoring of the technical condition of objects and structures (visual inspection of the condition of structures, monitoring the dynamics of cracks development in structures and buildings with the help of slit-metering devices, monitoring the temperature and humidity regime, detection of changes in the day surface, the development of dangerous natural geological and technogenic processes etc)

Monitoring was carried out on 164 buildings and structures. In cooperation with the French company SIXENSE, modern monitoring systems have been implemented on some monuments using the latest measurement technologies and controls to ensure the safe operation of the monuments and to obtain the fullest possible range of information on their technical state.

The deterioration of the technical condition (minor cracks, destruction of the face layer of masonry, plaster and paint layers on cornices and plinths, etc.) was recorded on some of the objects, which was caused by a significant amount of precipitation in the winter and spring snowmelt, imperfections of the surface drainage, including roofs.

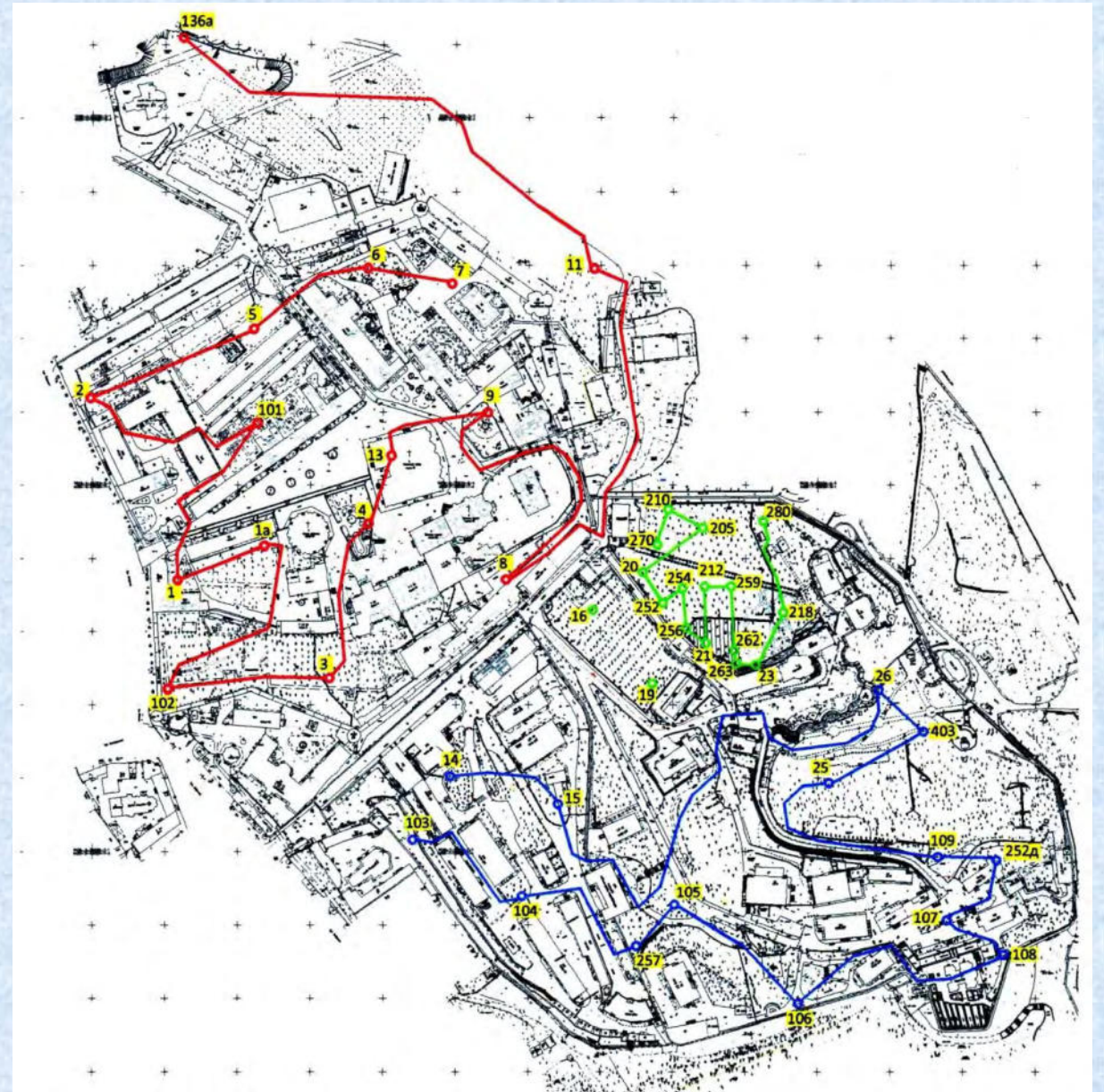
According to the results of monitoring, recommendations were made and a number of measures were taken to prevent further deterioration of the buildings and to eliminate the identified deficiencies.

In order to operate buildings and structures reliably and to improve the management of the property components, work has begun on the reconstruction of external power grids in 2019.

I.B. Groundwater level monitoring

Groundwater level monitoring on the territory of the Kyiv-Pechersk Lavra and near the Church of the Saviour at Berestovo, the components of the World Heritage Property, is carried out by measuring the water level in 46 water monitoring wells, which are located throughout the component.

During the period of 2019, 7 wells were additionally constructed.



I.C. Restoration works on cultural heritage monuments

In order to preserve the immovable cultural heritage, restoration works were carried out at the following monuments:



Church of the Saviour at Berestove



Onufry's Tower



Trinity Gate Church



Southern Tower

Church of the Saviour at Berestove as the WH Property component

In 2019, works on the monument were accomplished (restoration and conservation works on the facades, roofs and cupolas of the church, as well as landscaping was completed).

Measures were taken to normalize the humidity state of the church structures (drainage system was installed around the building, waterproofing of foundations was made).



Before restoration



After restoration

These works will allow us to further perform the conservation and restoration works of unique monumental painting in the interiors of the church. In order to preserve this painting and prevent its further destruction, "Regimes of use of the architectural monument of national importance "Church of the Saviour at Berestove" have been developed.

The process of restoration of the Church of the Saviour at Berestovo



The facades have been restored and the territory has been improved

The process of restoration of the Church of the Saviour at Berestove



Interior works: floor arrangement, restoration of the surface of the walls without monumental painting

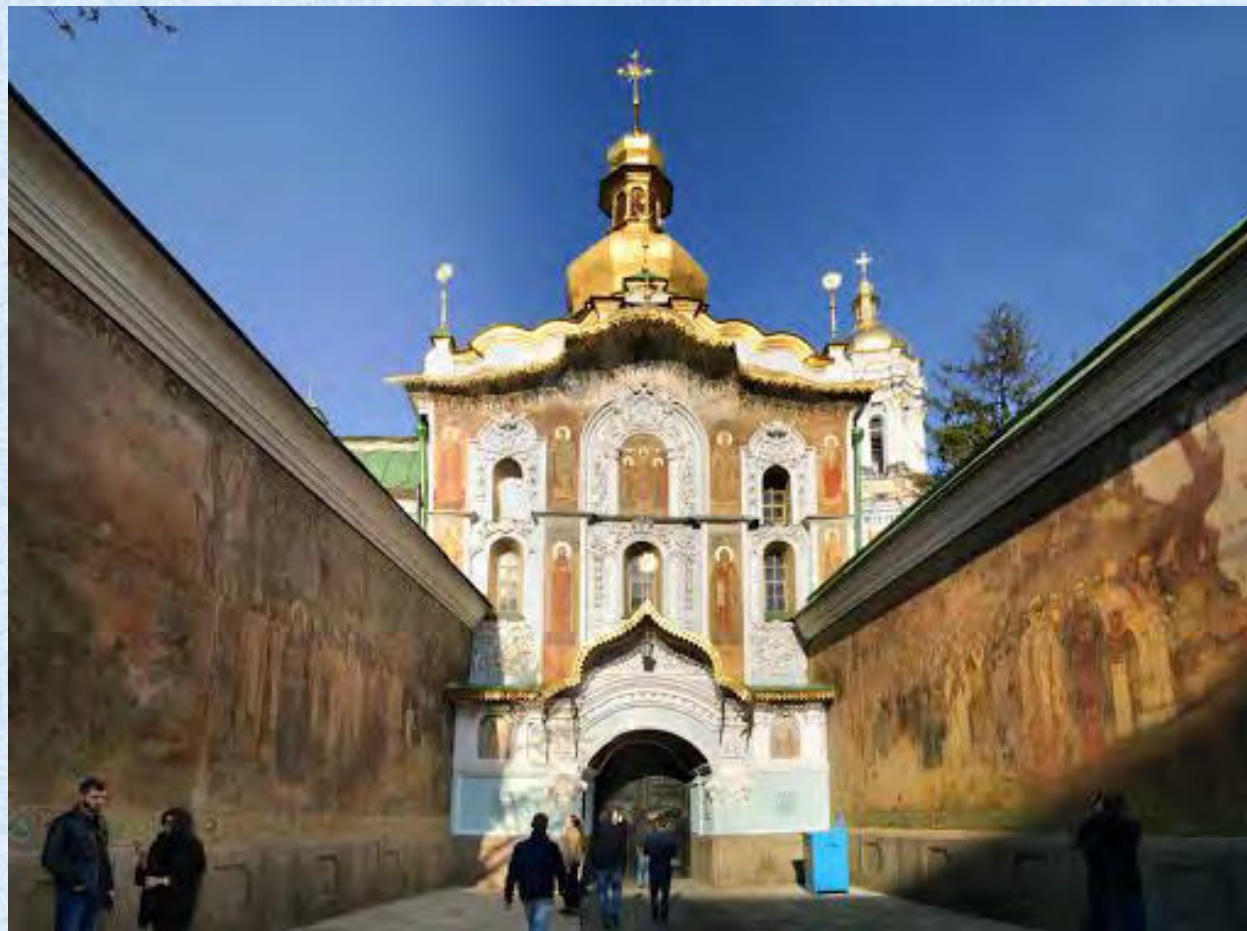
Church of the Saviour at Berestove after the restoration

Arrangement of architectural and decorative illumination of facades



Trinity Gate Church

Since 2018, restoration works are being carried out at the monument. Works on the dome and cupola have been completed, the painting of the dome drum icons has been restored, and two compositions on the western facade have been restored, the works in the interiors of the 1st tier of the church are being carried out.



The process of restoration of the Trinity Gate Church



The church cupola

In the process of
restoration



After restoration



Stucco décor of the dome drum

After clearing



After restoration

The process of restoration of the exterior painting of the Trinity Gate Church



The icon of the dome drum



The icon of the Western facade

Southern Tower

In 2018 the restoration works on the monument (facades, interiors, etc.) was completed



I.D. Archeological studies

As a result of the archeological studies conducted in the Metropolitan Garden in 2018, the existence of a defensive wall of the Kyiv-Pechersk monastery of the 11th century was confirmed. New fragments of the wall were opened.

Moreover an archeological survey of the excavation works at 41 sectors were conducted, the total area of the surveyed territory is more than 360 sq. m.



Archeological survey of the excavation works in the territory of the Church of Saviour at Berestove initiated in 2018. The Church is located in the territory of the archeological monument “Cultural layer of Berestove village”.

In 2019 the following archeological studies were conducted: more than 1300 sq.m. of the area has been investigated; the cultural layers from 9th c. B.C. to 19th c. A.C. were fixed.

One of the most important sites was the necropolis of the Church. 431 graves (15th-19th cc.) in different state of conservation were discovered. Also there should be mentioned the structure of the 9th c. B.C. , the furnace of the 15th-16th cc. and building of the 17th c. etc.



Furnace, 15th-16th cc.

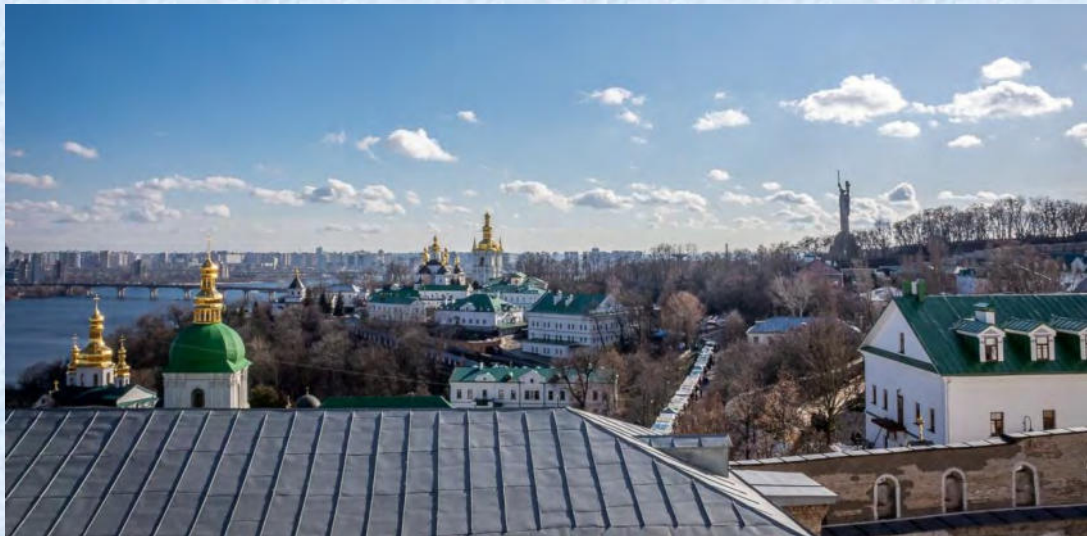


Remains of ancient foundation

Objects of the Lower Lavra, that are in use of the Holy Dormition Kyiv-Pechersk Lavra

During the reporting period, large-scale restoration works were not carried out at the objects that are in use of the Holy Dormition Kyiv-Pechersk Lavra.

The daily maintenance of the buildings and the surrounding area is being conducted.



Adaptation of the facilities to the needs of low-mobility groups

The activities on adaptation of the facilities to the needs of the low-mobility groups have been initiated, including:

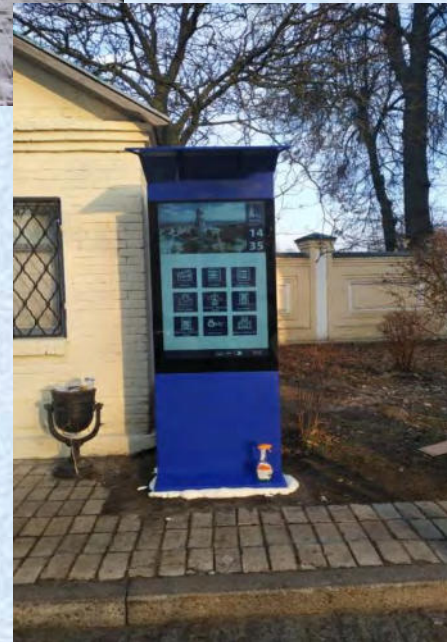
- ramps were arranged;
- a public restroom was adapted for the needs of the people with disabilities;
- "Video wall" allowing to observe the panorama of the Kyiv-Pechersk Lavra ensemble and Dnieper slopes from a bird's eye view was arranged on the 1st tier of the Bell Tower of the Dormition Cathedral;



Promotion of the World Heritage property's components

To promote the World Heritage property's components and to ensure the availability of information on cultural heritage monuments and cultural and educational activities that are carried out on the components' territory there were installed:

- information touch stands;
- information plates with QR code.



Intentions on restoration work at the objects of the Kyiv-Pechersk Lavra

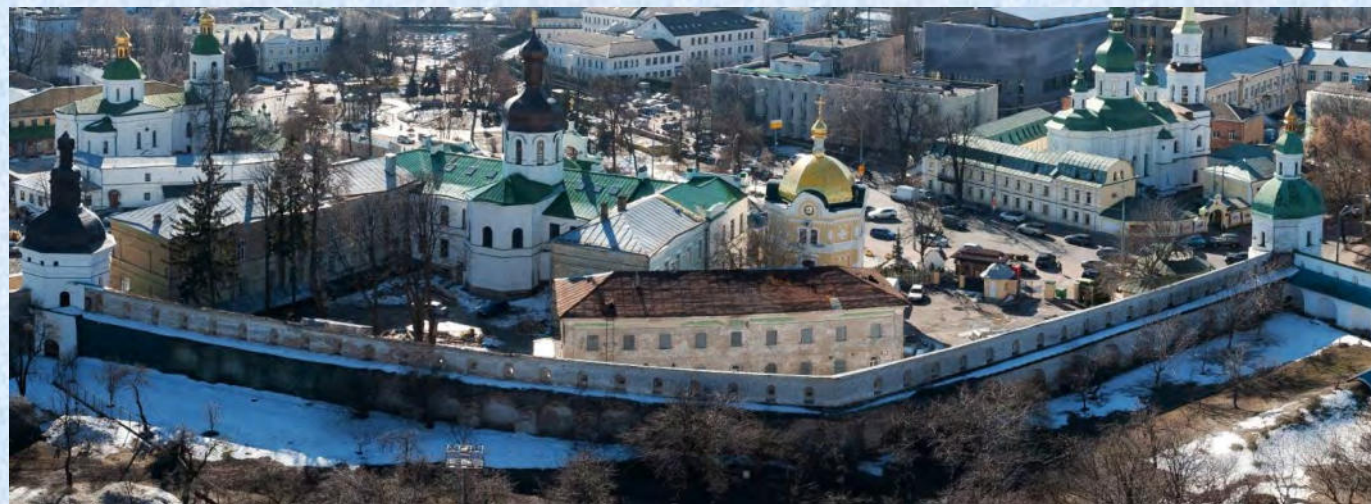
According to the results of the monitoring of the buildings state, the first priority measures for the preservation of cultural heritage are identified, namely:

- completion of restoration work at Trinity Gate Church and Onufry's Tower;
- restoration of monumental painting in the interiors of the Church of the Saviour at Berestove;
- restoration works on the following monuments: "Monastery Walls" (site No1), emergency work at the site No 3 "Fortress Wall around the Far and Near Caves", "Ivan Kushnik's Tower" and "Metropolitan Flavian's Library" in accordance with the developed and approved scientific and design documentation, etc.

Monastery Walls (site No1), Ivan Kushnik's Tower



Ivan Kushnik's Tower

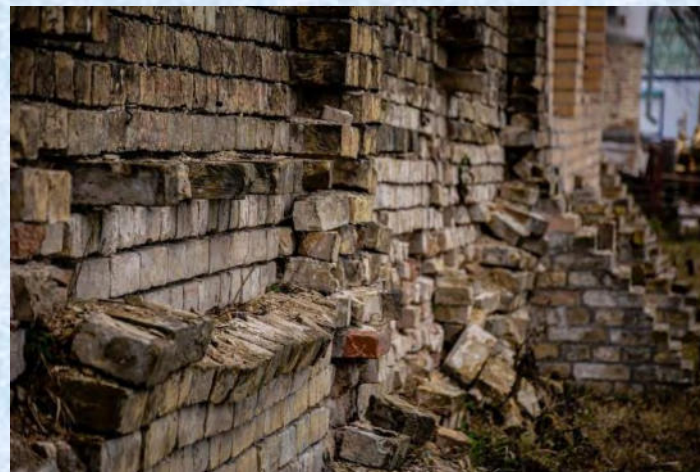
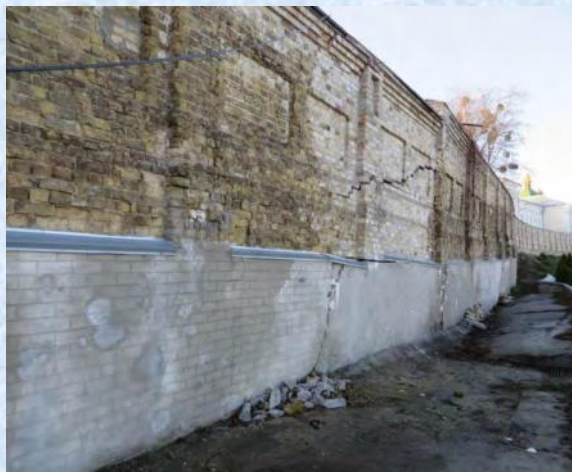
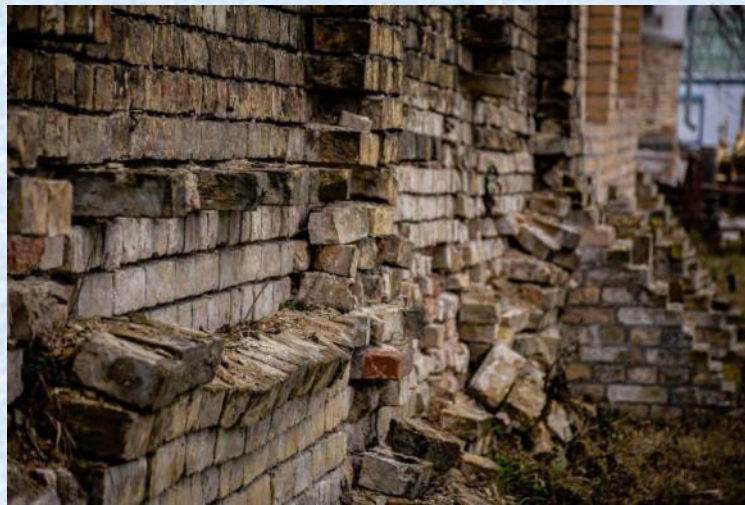
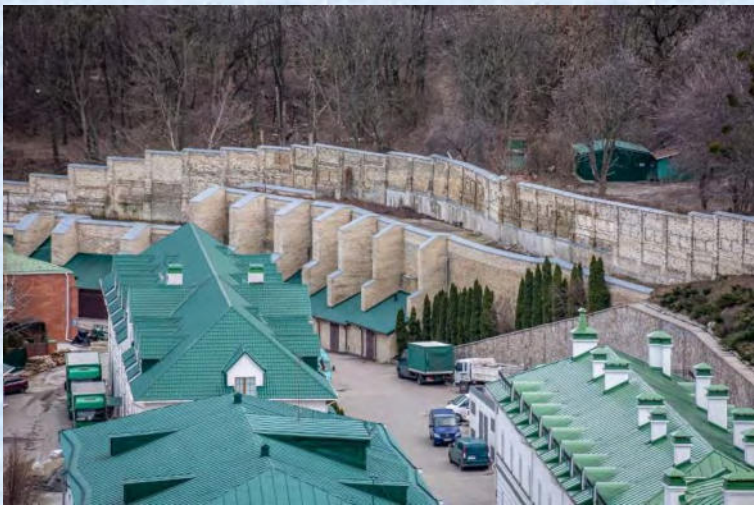


Monastery Walls (site No1)



*Fixation of destruction of the front surface of the walls
at the site No1 Monastery Walls*

Fortress Wall around the Far and Near Caves (site No 3)



Destruction of the masonry front surface

Emergency part of the site No3

Metropolitan Flavian's Library



Southeast corner of the building



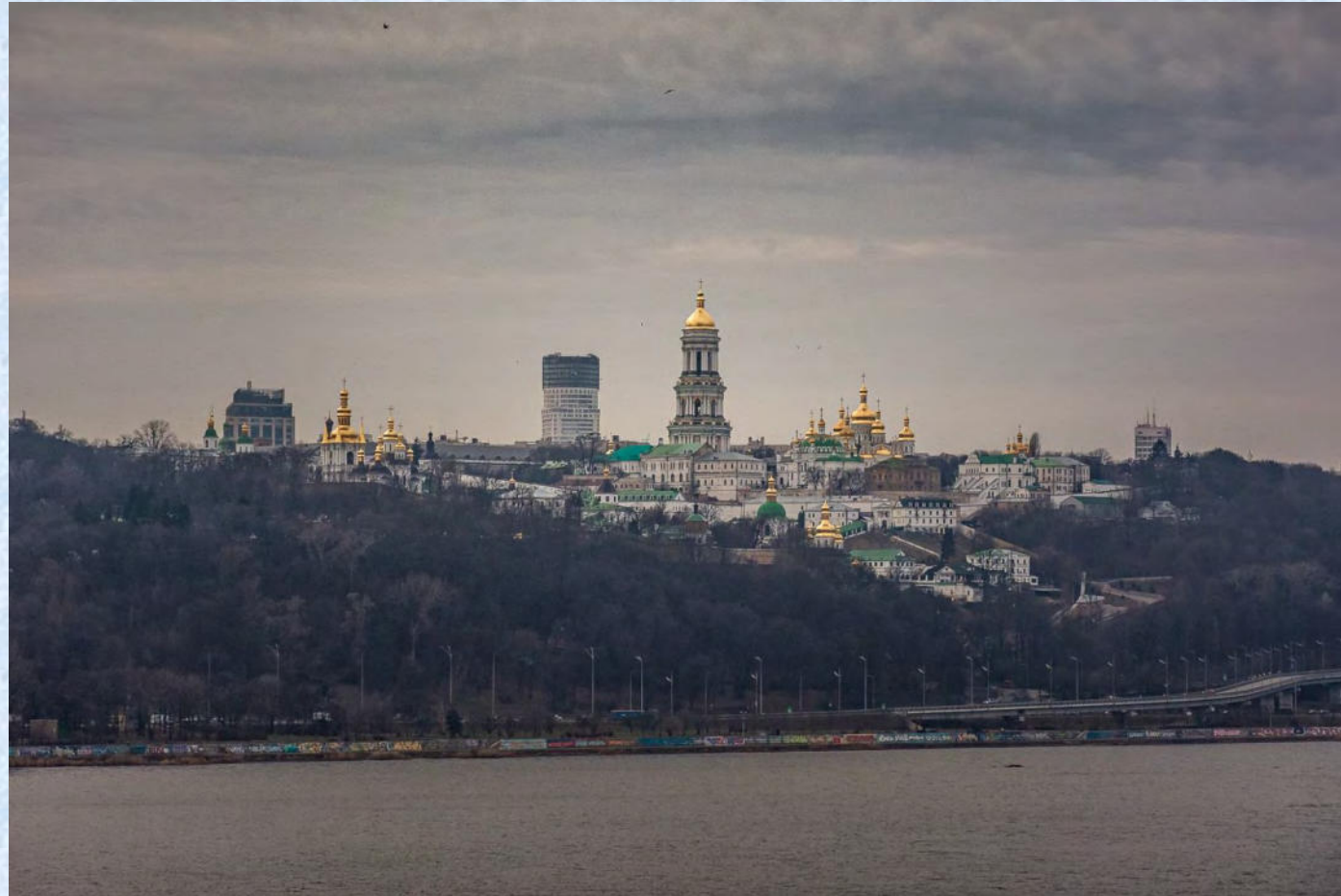
South facade



Cracks in load-bearing structures of the building

II. Monitoring of any urban planning transformations within the buffer zone of the WH property

No new factors were determined that can affect the Outstanding Universal Value of the Property's components.



The following works are carried out in the buffer zone around Kyiv-Pechersk Lavra during 2018-2019:

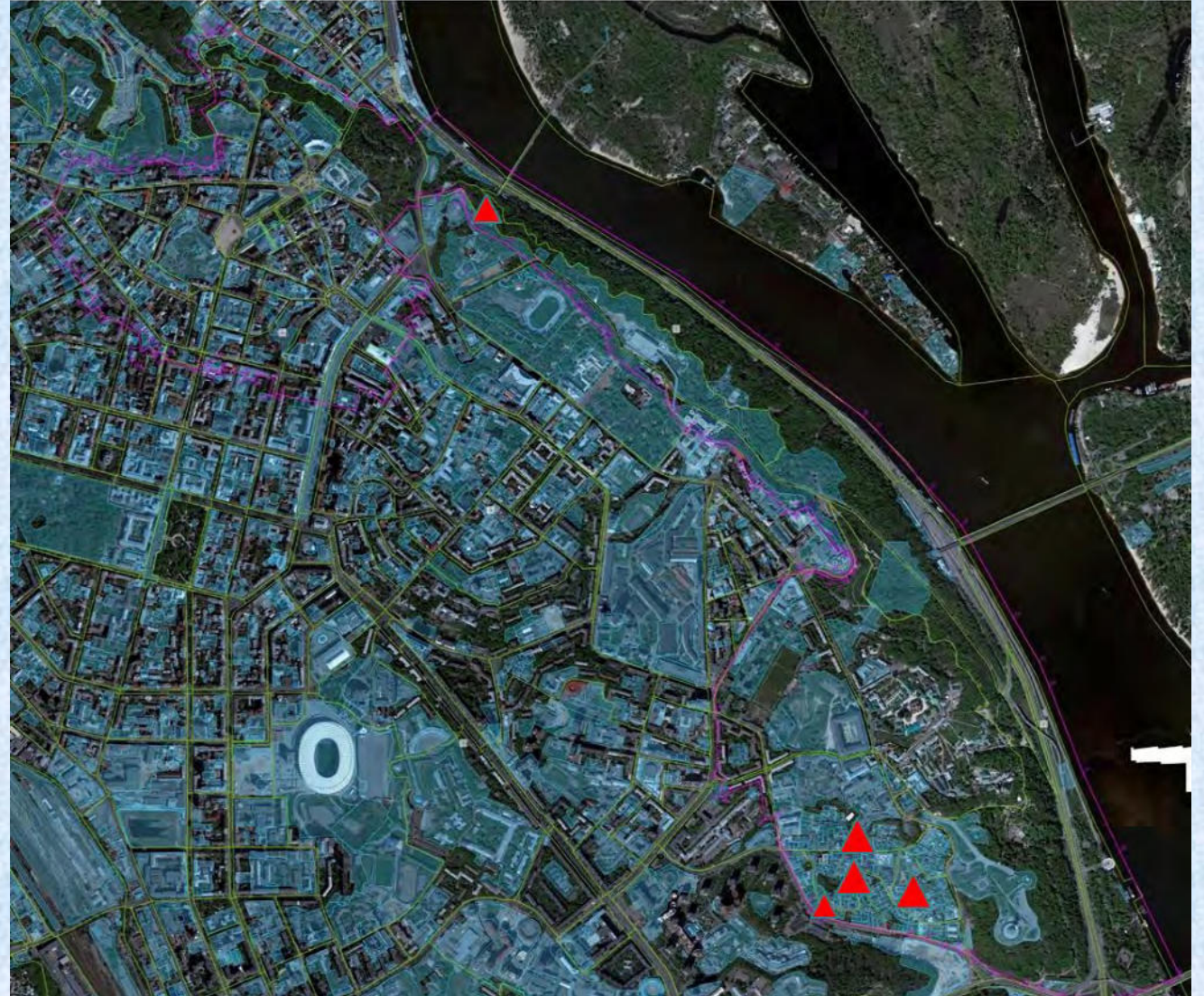
- works on the restoration of a monument of history of local significance and the newly discovered monument of architecture on 3 Tsytdelna Street are accomplished.
- construction of an apartment building on 13 Leiptsizka Street is completed .
- works on reconstruction of Lyceum Leader (extension) on 11A Leiptsizka Street are ongoing.
- reconstruction works of the first phase and construction of the second phase of the National Museum of the Holodomor-Genocide are ongoing



Urban planning conditions and restrictions are issued

Urban planning conditions and restrictions on the following land plots are issued :

- 30/5 Redutna Street (reconstruction of an apartment house (manor type))
- 20 Park Road (reconstruction of the restaurant with recreation facilities)
- 14 Redutnyi Lane (construction of a blocked house (manor type))
- 60 Redutna Street (construction of a blocked apartment house (manor type))
- 16A Redutna Street (commercial and office building), (2015)



Urban planning transformations outside the buffer zone of the WH property

The following urban planning conditions and restrictions are issued outside the buffer zone, in its immediate surrounding:

- 4 Omelianovycha-Pavlenka Street (reconstruction of non-residential building into a multifunctional complex), (2017)
- 9 Staronavodnytska Street (construction of an apartment building), (2017)
- 2A Staronavodnytska Street (new building of a residential complex), (2017)
- 16A Staronavodnytska Street (a multifunctional complex “Intergal-City”)
- 42 Staronavodnytska Street (a multifunctional complex), (2016)

