

No	Site Name	Province	Distirict/ Village	Distance Between Route	Explanation
1	İnönü Necropolis	Bilecik	Osmaneli/ İnönü	On the Route axis	This zone, overlooking the Sakarya River basin towards the east, is registered on the topographic maps as İnhavuz Pınarı locality. The zone which is thought to be a necropolis is at the vicinity of the river over a dominant location on a hill. The area was ravaged with many looters' holes. An acceptable amount of late period (Byzantine-Ottoman) and Late Roman sherds, few sherds from the Roman period together with a few bones were located in the area. All existing evidence points to the possible use of the area as a necropolis in antiquity. In this aspect, the Directorate of the Bilecik Museum should be informed of the existence of the zone for carrying out field inspections and if needed for registration to ensure its protection. As the necropolis lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Eskişehir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. In the case of a partial construction within the area, such as a viaduct pier, only the point where the pier would be sunk to the ground could be subjected to excavations through a test trench that will be realized by the Museum.
2	İnönü Tumulus	Bilecik	Osmaneli/ İnönü	65 m	A mound whose top is covered with dense vegetation lies towards the west of the basin of the Sakarya river at a distance of 230 m to the north of the İnönü Necropolis. When this attention-grabbing mound whose top is covered in vegetation was inspected it was seen that its surface was full of ceramics. Additionally, a pile of well-cut ashlar blocks is evident around the mound. Those blocks were likely the elements of the sepulchral construction under the mound and must have been removed from their original locations through ploughing. Being surrounded by trees and easily separated from the rest of the topography the tumulus stands as high as 3 m. Despite its relatively close extent to the project field with a distance of 65 m, it is less likely that this structure will be affected by any phase of the project. Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bilecik Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.
3	Büyükyenice Cemetery	Bilecik	Osmaneli/ İnönü	25 m	The cemetery lies towards the direction of İstanbul, by being on the east bank of the Sakarya River at the İstanbul-Ankara joint of the High Standard Railway Project. The cemetery despite having its routes in Ottoman and Early Republic eras is still in use. Graves are noted to be made in the form of cists through the use of local limestone blocks. The limestone used in the cemetery is the same as the blocks that were evident around the İnönü Tumulus. Tomb markers in the form of quilted turbans dated to the Ottoman era were widely used within the cemetery. Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bilecik Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring
4	Büyükyenice Necropolis	Bilecik	Osmaneli/ İnönü	On the Route axis	The cemetery lies towards the direction of İstanbul, by being on the east bank of the Sakarya River at the İstanbul-Ankara joint of the High Standard Railway Project. The joint of the present project to the already existing İstanbul-Ankara line will take place at this point. The surface was densely covered with Late Ottoman era ceramics and seems to be used as a cemetery. The topography is also suitable for such use. As the necropolis lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Eskişehir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. In the case of construction within the area, preliminary research in the form of test trenches could be realized by the Museum.
5	Büyükyenice Tumulus	Bilecik	Osmaneli/ İnönü	55 m	The tumulus stands on the west bank of the Sakarya River towards 60 m west of the İstanbul-Ankara High Standard Railway line. Its location within the present Project route is towards 50 m distance to the joint point towards Ankara. It will not be directly affected by the Project route. Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bilecik Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.
6	Osmaneli Modern Cemetery	Bilecik	Osmaneli/ Camicedit	8 m	It's the city cemetery positioned towards the west of the Osmaneli district. No traces of any historical remains could be located. However, it is noted that the cemetery is enlarged towards the Project route possessing a high potential to affect it. If construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.
7	Düzmeşe Roman Settlement	Bilecik	Osmaneli/ Düzmeşe	On the Route axis	It is located at the edge of the Göksü Çayı which is a stream of the Sakarya River towards 1,5 km south of the Düzmeşe Village. Investigations that were conducted in an area positioned within the river basin suitable for cultivation revealed a dense amount of ceramics. Some of the ceramics were simple vessels of daily use that could be dated between the 3rd-4th centuries AD. Additionally, a line of stones that could be related to an architectural setting was also located at the surface. This site must be a modest settlement of a few houses rather than being a large-scaled Roman settlement. As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Eskişehir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. In the case of construction within the area, preliminary research in the form of test trenches could be realized by the Museum.
8	Düzmeşe Tumulus	Bilecik	Osmaneli/ Düzmeşe	On the Route axis	It is located 400 m towards the east of the Düzmeşe Roman settlement. It rises as a conical mound on the cliff situated next to the Göksu river. Fossils of seashells are located around the area. The amount of covering tiles from the surface point to the possible further use of the area as a necropolis. Tile fragments possibly date to the Late Roman Period. The Project route passes directly from the cliff where the aforementioned archaeological area was situated on. As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Eskişehir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. In the case of construction within the area, preliminary research in the form of test trenches to be followed by a rescue excavation could be realized by the Museum.
9	Kuletepe Mound and Castle	Bilecik	Osmaneli/ Orhaniye	On the Route axis	This remain may be the so-called "Göksü Towers" that was already mentioned as a registered asset within the Project Presentation Folder that was prepared in 2016. As the aforementioned remain was mentioned to be "...50 m distance to the Project route..." within the PPF its vicinity was inspected once again by the HERMES Archaeology Team. Those re-inspections revealed data showed that there was either possible absence of extra investigations in the area back then by the responsible staff or not sharing of all related information from previous investigations with our firm. This is best revealed by the discovery of a previously not registered mound lying extremely close to the already registered Watch

					<p>Tower by our team.</p> <p>The mound reflects a settlement pattern of a castle part on the high ground overlooking a possible lower settlement. With its general location, this settlement was understood to spread on the hill as well as to its skirts and further towards the riverside. The remains from the mound showed that it was settled from the Early Roman Period (1st century BC) until the Middle Ages (Byzantine-Early Ottoman). Apart from archaeological surface finds additional architectural remains were also noted to exist on the surface especially on the higher castle part. The already planned Project route unfortunately will pass over this mound for 400 m right after reaching this locality via a tunnel.</p> <p>Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bilecik Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.</p> <p>As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor.</p> <p>Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring.</p> <p>If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Eskişehir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 1st Degree Archaeological Site by the Museum. In the case of construction within the area, preliminary research in the form of test trenches to be followed by a rescue excavation could be realized by the Museum.</p>
10	Kuletepe Necropolis	Bilecik	Osmaneli/Orhaniye	70 m	<p>During the survey, a high amount of roofing tiles were located on the surface at a locality falling towards the north of the Kuletepe Mound and Castle. The tiles reflect the characteristic of ancient Roman tiles that were used to cover the burials. All this evidence points to the possible use of the area as a necropolis.</p> <p>Despite the uncertainty on the state of registration of the aforementioned area, standing only at a 60 m distance to the Project area, it is definite that it will not be affected at all by any phase of the Project. Still, it is strictly proposed that the Directorate of the Bilecik Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.</p> <p>If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. If construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.</p>
11	Ebeköy Flat Settlement	Bursa	Yenişehir/Ebeköy	On the route axis	<p>At the vicinity of the plain settlement that was located towards the east of Ebeköy, many surface finds were observed which were all in the character of coarse ware of the Byzantine-Ottoman era. The small-scaled disperse of the ceramics on the surface indicate the possible existence of a smaller settlement of 1-2 houses rather than a village.</p> <p>As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor.</p> <p>Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Still, it is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.</p> <p>If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Eskişehir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. In the case of construction within the area, preliminary research in the form of test trenches to be followed by a rescue excavation could be realized by the Museum.</p>
12	Akdere Mound	Bursa	Yenişehir/Akdere	On the route axis	<p>During the inspections that were realized in the Yenişehir Plain Göksü Stream Basin a mound with a relatively low height was discovered in the area between the Akdere and Papatya villages. The mound lies directly on the High Standard Railway Project route by being located only 450 m south of the Göksu Stream.</p> <p>Surface inspections revealed the existence of ceramic sherds of the Roman period dated between the 3rd-4th centuries AD together with Late Roman assemblages of 5th-6th centuries AD. Dense amounts of coarse ware together with bricks were also scattered around the surface. The existence of pinkish so-called hydraulic mortar pieces further points to the possible existence of a building that was related either to water management or use (bath, water depot etc.). A destroyed building at the western slope of the mound dates to our era and possibly was used as a windmill. Rows of stones sunken to the soil were additionally detected at the same locality which must have been the remnants of an ancient road.</p> <p>As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor or trespassing from the location with a viaduct. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Still, it is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.</p> <p>If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Bursa Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 1st Degree Archaeological Site by the Museum.</p>
13	Akdere Cemetery	Bursa	Yenişehir/Akdere	55 m	<p>The area of mention is located at the entrance of the Akdere Village. The cemetery is still in use by the locals. Known to be in use during the Early Republican era its existence could also be taken as back as the Ottoman era.</p> <p>Graves are noted to be made in the form of cists through the use of local limestone blocks. The limestone used in the cemetery is the same as the blocks that were evident around the İnönü Tumulus. Tomb markers in the form of quilted turbans dated to the Ottoman era were widely used within the cemetery.</p> <p>Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.</p> <p>If construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.</p>
14	Üyücek Hill Mound	Bursa	Yenişehir/Karaköy	165 m	<p>The area of discovery lies 150 m south of the Bursa-Yenişehir Highway and also towards the east of the Bursa-Yenişehir Airport</p> <p>Being used for agricultural purposes as a result of its flat top portion the mound had yielded ceramics from the Early Bronze Age and Chalcolithic Period. The surface finds stand out with their dense amount and scattering.</p> <p>Standing at a 165 m distance to the Project area, it is definite that it will not be affected at all by any phase of the Project. Still, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.</p>
15	Çardak Mound	Bursa	Yenişehir/Çardak	290 m	<p>During the inspections around the Yenişehir Airport, a mound with a relative height (10-12 m) was noted falling towards the northwest of the airport and east of the Çardak Village. Despite reflecting the characteristics of a natural topographical trait the inspections on and around the mound had revealed many artefacts pointing to a long settlement life from Chalcolithic, Early Bronze Age, Early Iron Age and Middle Ages. The mound with a diameter of 500 m lies at a distance of 290 m to the Project route.</p> <p>Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 1st Degree Archaeological Site by the Museum.</p> <p>If construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring</p>
16	Çardak Logging House Complex	Bursa	Yenişehir/Çardak	5 m	<p>The inspections on the Project route had shown that a certain portion of it passes through the Çardak Quarter. At this portion, the Project-settlement connection should be handled with care. The quarter is known to house certain Late Ottoman-Early Republican logging houses with delicate bay windows. Those houses which are still inhabited will likely be affected by the vibrations that will occur as a result of the passings from possible tunnels or viaducts that will be built in the area.</p> <p>Despite the uncertainty on the state of registration of the aforementioned houses similars from other regions are known to be under protection through registration. When the existence of such regulations on similar houses from elsewhere is taken into consideration with their acceptable number in Çardak the area occupied by them could be declared an urban site area by the Directorate of Bursa Museum.</p> <p>The proposal of the experts would be the declaration of this situation to the Museum Directorate of Bursa for the inspection of the area by the Museum staff and if found valid the protection</p>



					of the area through registration. If an on-site inspection will be done the area in mention could be proposed for being declared as a 1st Degree Archaeological Site by the Museum. If construction works will be realized around the area, they are strongly advised to be subjected to detailed on-site monitoring
17	Koyunhisar Mound	Bursa	Yenişehir/ Koyunhisar	On the route axis	Koyunhisar Mound lies approximately 1 km south of the Koyunhisar Village. It does not reflect a remarkable height but stands out with its splayed structure. Its north and west are occupied by fruit orchards. Inspections on and around the mound had revealed a dense number of ancient ceramics together with bricks from later periods. Some of the ceramic finds are noted to be from the Early Bronze Age. The surface finds from the south skirts of the mound point to the possible use of this portion as a necropolis. The main Project axis will pass from the south skirts of the mound. When the possible building of construction fillings at this area is into consideration in connection to the Project the mound will be inevitably affected until its mid-section. As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor or trespassing from the location with a viaduct. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Still, it is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Bursa Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 1st Degree Archaeological Site by the Museum.
18	Tulumbayanı Mevki Settlement	Bursa	Yenişehir/ Marmaracık	On the route axis	The settlement is situated between the villages of Seymen and Marmaracık at a distance of 500 m towards the south of the Bursa-Yenişehir Highway. Known as the Düze settlement area the locality was densely covered with fragments of bricks and tiles on the surface. The number of coarse ware, on the other hand, was relatively less. The surface findings point to the existence of a single phased settlement most probably in use during the Late Byzantine and Ottoman eras. As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor or trespassing from the location with a viaduct. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Still, it is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Bursa Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 3rd Degree Archaeological Site by the Museum.
19	Narlıdere Village Cemetery	Bursa	Kestel/ Narlıdere	50 m	The area of mention is the cemetery of the Narlıdere Village. It lies at a 50 m distance to the Project axis and will not be affected negatively from any phase of the construction works
20	Narlıdere Ottoman Settlement	Bursa	Kestel/ Narlıdere	20 m	A plain settlement with not so much height lying in between the fruit orchards was discovered during the surveying of the Project route passing from the south of the Narlıdere Village. The area was covered with dense numbers of Byzantine-Ottoman ceramics together with bricks and tile fragments. The settlement with a wide expansion limit lies adjacent to a train line passing from its skirts. As the Project route passes from the southern skirts of the area it is not possible to detect if the expansion reached until this point or not. As the site lies directly on the construction area of the Project it is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring. It is also strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Bursa Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 3rd Degree Archaeological Site by the Museum.
21	Karahıdır Ottoman Settlement	Bursa	Gürsu/ Karahıdır	On the route axis	It is a plain settlement from the Byzantine-Ottoman era. The area is densely occupied on the surface by brick and tile fragments. Certain filling works concerning the construction phase of the Project were realized at the south of the area. The overall archaeological data obtained from the survey points to the existence of a single phased settlement. As the site lies directly on the construction area of the Project it is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring. It is also strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Bursa Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 3rd Degree Archaeological Site by the Museum.
22	Nilüfer Hatun Bridge	Bursa	Nilüfer/ Doğanköy	50 m	The Project route continuing parallel to the Nilüfer Stream passes from 50 m south of a Late Byzantine-Early Ottoman bridge known as the Nilüfer Hatun Bridge. The historic bridge is 82 m in length, 5,45 m in width and bears 7 arches. It shows traces of a recent restoration. Showing a typical Ottoman-era structural character, the bridge is solely open to pedestrian access in the present day. Utmost care should be shown to it especially during the construction phase as explosions or use of heavy machinery around its close vicinities would harm the integrity of its architectural state. It is strongly advised that any construction phase on or around the structure should be subjected to detailed archaeological on-site monitoring
23	Building Remains	Bursa	Nilüfer/ Doğanköy	10 m	Some architectural remains high probably from a single building possibly from the Late Byzantine and Early Ottoman eras were located next to the Nilüfer Stream. The surface revealed a small number of ceramics during the survey. Furthermore, a pillar fragment was also located within the same area. Due to the extremely close distance that this location has to the Project route (merely 10 m), it is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.
24	Building Remains	Bursa	Nilüfer/ Doğanköy	28 m	Some remains belonging to a building were located in an area falling towards the northwest of the city hospital. The building is preserved on foundation levels but showed an architectural layout with typical characteristics of the Early Republican era. Due to the extremely close distance, this location has to the Project route (only 28 m) it is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring. It is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 3rd Degree Archaeological Site by the Museum.
25	Gökçetepe Tumulus	Bursa	Nilüfer/ Doğanköy	64 m	During the investigations that were done around the northwest of Bursa city hospital, a tumulus was located on a hill overlooking the Nilüfer Stream. The surface revealed a good number of tile fragments. Due to the distance, this location has to the Project route (64 m) it is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring. It is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 1st Degree Archaeological Site by the Museum. As being located at a point where a tunnel exit is planned to be built special care must be shown to the area especially during the opening of access roads for the construction works

26	Tepeköy Geçidi Settlement	Bursa	Nilüfer/ Yolçatı	25 m	It is a single phased flat slope settlement that could be dated to the Late Byzantine-Ottoman era. Dense numbers of tiles, brick fragments, few ceramics and a single chiselled marble fragment were located on the surface during the surveys. Due to the relatively close distance, this location has to the Project route (only 25 m) it is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring. It is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 3rd Degree Archaeological Site by the Museum. Special care must be shown to the area especially during the opening of access roads for the construction works.
27	Tepeköy Geçidi Mound	Bursa	Nilüfer/ Yolçatı	On the route axis	A mound, named as Tepeköy Geçidi, was located at a point situated at the south of the Nilüfer Stream that overlooks a vast arable land. The mound stretches to an area of 1,3 x 1 km. This wide stretching of its area must be due to its continuous occupation which probably commenced from 5000 BC. Intense surveying revealed a vast amount of quality ceramics from the surface dated from Chalcolithic to the Roman period, stone tools from the Chalcolithic period together with various fragments from Roman glass objects A looters hole was located at the top of the mound under a tree. The hole had revealed traces of architecture with remnants from a pithos (storage vessel). A vast amount of architectural fragments, fragments of coarse ware, fragments of Hellenistic black glazed ceramics and glass objects were scattered on the surface. As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor or trespassing from the location with a viaduct. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Still, it is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Bursa Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 1st Degree Archaeological Site by the Museum.
28	Küçükyenice Necropolis	Bursa	Mudanya/ Balabancık	88 m	During the surveying of the area around the south of the Küçükyenice Village, a necropolis from the Roman period was located. A vast amount of tile fragments and architectural elements were scattered on the surface. The area in general is like a flat field and lies at a distance of 88 m from the Project route. Special care must be shown to the area especially during the opening of access roads for the construction works. It is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.
29	Orhaniye Necropolis	Bursa	Mudanya/ Orhaniye	150 m	A necropolis possibly from the Hellenistic and Roman periods was located during the surveying around the south of the Orhaniye Köyü. The necropolis is situated next to a river about a 150 m distance to the Project route. A vast amount of tile fragments and architectural elements were scattered on the surface. Thought to be used by means of carving of the rock for the building of graves the whole hill was repeatedly harassed by many looting holes. Special care must be shown to the area especially during the opening of access roads for the construction works. It is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.
30	Badırğa Village Alevi Cemetery	Bursa	Nilüfer/ Badırğa	85 m	The Project route while passing from the north of the Badırğa Village will pass from nearby an Alevi cemetery belonging to the locals of the Badırğa Village. The cemetery is situated on a hill lying 85 m away from the Project route. Each tomb from the cemetery, where traditional customs are still practised, has a special niche at the head for receiving candles. The custom was known to be evident in the Alevi culture from Erzincan, Tunceli and Sivas regions and must have been brought to the region by people who had emigrated here from the aforementioned regions. Special care must be shown to the area especially during the opening of access roads for the construction works. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.
31	Badırğa Village Cemetery	Bursa	Nilüfer/ Badırğa	300 m	The cemetery lying towards the north of the Badırğa Village is the second cemetery of the village. It is situated at a different location than the Alevi cemetery with a distance of 100 m. No traces of any historical value remain/object were located from the area. The area will not Special care must be shown to the area especially during the opening of access roads for the construction works. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.
32	Irmak Baba Alevi Turbe	Bursa	Nilüfer/ Badırğa	410 m	It lies towards the north of the Badırğa Village very close to the previously located 2 cemeteries. It is a shrine related to the Badırğa Village Alevi cemetery. The tomb within the shrine (türbe), where traditional customs are still practised, has a special niche at the head for receiving candles. The shrine (türbe) additionally houses a “sacred tree” used during the ceremonies in which pieces of clothing were ties on the branches for making wishes come true. Despite lying distant to the Project area by being an asset of Intangible Cultural character it must be protected from the possible negative effects of vehicles passing from nearby during the construction phase. If its close vicinity was chosen for vehicle passings this route is strongly advised to be changed to a further locality. Special care must be shown to the area especially during the opening of access roads for the construction works. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.
33	İnkaya Cave	Bursa	Karacabey/ İnkaya	930 m	The caves located towards the entrance of the İnkaya Village are suitable for being used in antiquity either as caves or caverns. They lie at a 930 m distance to the Project route but were included in the report for preventing their future use as building and operating of breaking-screening plants. Special care must be shown to the area especially during the opening of access roads for the construction works. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring
34	Hoca Çeşme Mevkii Mill	Bursa	Karacabey/ Çeşnigir	260 m	It is a watermill located next to the Nilüfer Stream towards the southwest of the Çeşnigir Village. The mill is located 260 m north of the Project route. The building reflects strong characteristics of Ottoman architecture and candidates to be an important Cultural Asset. Special care must be shown to the area especially during the opening of access roads for the construction works. It is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.
35	Hoca Çeşme Mevkii Tumulus	Bursa	Karacabey/ Çeşnigir	On the Route Axis	The earthen mounds are located on a hill covered with oak trees that is located within the Nilüfer Stream basin towards the southwest of Çengir Köyü. The tumulus falling on the Project route reflects a two peaked structure. Surrounded by stones the whole earthen mound was covered with tile fragments and looting holes. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring. It is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. It is further proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum.

36	Ancient Bridge Abutment	Bursa	Karacabey/ Taşlık	On the route axis	<p>During the investigation of the Project route which will pass from the south of the Taşlık quarter two corresponding bridge abutments were detected on the Kara Dere. The Project route will pass from over the two abutments via a bridge.</p> <p>The remains of a partial road that stretches inland from the back of the southwestern abutment were detected during the survey. Rubbles in between the abutments and inside the river point to the possible arched structure of the original bridge.</p> <p>As the area lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring.</p> <p>If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Bursa Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum.</p> <p>The passing of this point through a bridge should be realized in care with special attention given to the proper calculation of the abutment and bridge heights for being in accordance with the archaeological remains.</p>
37	Ottoman Bridge	Bursa	Karacabey/ Taşlık	On the route axis	<p>During the investigation of the Project route which will pass from the south of the Taşlık quarter remains of a bridge with 3 arches were detected on the old riverbed two corresponding bridge abutments were detected on the Kara Dere. The Project route will pass from over the two abutments via a bridge. The current state of the remains had shown that the bridge lost its proper function due to the change of the old route of the river.</p> <p>As the area lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring.</p> <p>If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Eskişehir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum.</p> <p>The passing of this point through a bridge should be realized in care with special attention given to the proper calculation of the abutment and bridge heights for being in accordance with the archaeological remains.</p>
38	Taşlık village Cemetery	Bursa	Karacabey/ Taşlık	23 m	<p>The area of mention is the current cemetery of the Taşlık Village. It is situated at a distance of 23 m to the Project route and it will likely be affected by any of the construction works. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring</p>
39	Şahinköy Cemetery	Bursa	Karacabey/ Şahinköy	On the route axis	<p>The area lies towards the north of the Şahinköy Village and reflects general traits of an Ottoman and Early Republican era cemetery. Tombs from the Ottoman era are inscribed with Ottoman inscriptions and decorated with quilted turbans.</p> <p>The Project route passes directly over the cemetery. If the route will be accepted as so by the Project firm the cemetery should be handled according to the laws numbered 3998 as “Law for the Protection of the Cemeteries” and numbered 2863 as “Law on Preservation of Cultural and Natural Assets”.</p> <p>As the archaeological area lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring.</p> <p>If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Bursa Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum.</p> <p>It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring</p>
40	Castle and Mound	Bursa	Karacabey/ Tophisar	103 m	<p>The castle is situated at the east of the Tophisar Village, at a locality known as Kaletepe Locality on a high natural formation. The castle must be from the latest settlement layer of the natural formation which could be now attested to originally existed as a mound.</p> <p>During the survey fragments of ceramics dated to the Roman period and Byzantine-Ottoman era were located. The castle was investigated and published by Prof. Dr. S. Yıldız ÖTÜKEN.</p> <p>The remains lie at a distance of 103 m to the Project route and the passing from this point will be realized through a bridge.</p> <p>By considering the high archaeological potential of the area it is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.</p>
41	Tophisar Village Cemetery	Bursa	Karacabey/ Tophisar	50 m	<p>The area of mention is the current cemetery of the Tophisar Village. It is situated at a distance of 50 m to the Project route and it will likely be affected by any of the construction works. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring</p>
42	Harmanlı Slope Settlement	Bursa	Karacabey/ Harmanlı	On the route axis	<p>During the investigation of the Project route which will pass from the north of the Harmanlı Village, a slope settlement was discovered at a locality that is situated towards 750 m southeast of the Susurluk River.</p> <p>Surface finds point to the existence of an Ottoman-era slope settlement in the area. Dense amounts of ceramics and bricks could be seen on the surface. Additional architectural remains do also exist again partially visible on the surface.</p> <p>As the archaeological area lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring.</p> <p>If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Bursa Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum.</p> <p>It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring</p>
43	Tumulus and Necropol	Balıkesir	Bandırma/ Yeşilçomlu	77 m	<p>A mound covered in bushes on top, situated at the southeast of Yeşilçomlu Village attracts attention at first sight. The site of mention has its whole top surface covered with ceramics. Furthermore, a pile of stone blocks from nearby the mound are of interest too. The blocks must have been from the possible construction that was built under the artificial mound that formed the tumulus.</p> <p>The tumulus being independent of the rest of the topography lies at a height of 1-2 m. Despite being 77 m distance to the Project area the tumulus is less likely to be affected from any part of the Project. The existence of a necropolis at the north of the tumulus seems highly possible.</p> <p>Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bandırma Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.</p> <p>Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring</p>
44	Kazçeşme mevkii Settlement	Balıkesir	Bandırma/ Yeşilçomlu	On the route axis	<p>During the survey, coarse ware ceramic fragments from the Early Roman period and Byzantine-Ottoman eras were located in dense numbers at a plain settlement situated towards the southeast of the Yeşilçomlu Village. When the area that those ceramics were dispersed is into consideration the locality could be easily ascribed as a widespread village settlement.</p> <p>As the archaeological area lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site</p>

					<p>monitoring. Additionally, the Directorate of the Bandırma Museum should be informed of the existence of the area to carry out on-site field inspections and if needed for registration to ensure its protection.</p> <p>If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Balıkesir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done, the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum.</p>
45	İncirli Çeşme Mevkii Necropolis	Balıkesir	Bandırma/ Yeşilçomlu	105 m	<p>It is situated at the south of the Yeşilçomlu Village under a hill whose top is dominated by a quarry. The surface of the area was densely covered with ceramic fragments from the Roman Period. Further surveys around the area also revealed the existence of a looted tumulus and a yet excavated second tumulus.</p> <p>The tumulus, being independent of the rest of the topography, lies at a height of 1-2 m. Despite being at a 105 m distance to the Project area the tumulus is less likely to be affected from any part of the Project. The existence of other tombs hewn to the bedrock the area is likely to house additional rock-cut tombs.</p> <p>Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bandırma Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.</p> <p>If construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring</p>
46	İncirli Çeşme Mevkii Slope Settlement	Balıkesir	Bandırma/ Yeşilçomlu	On the route axis	<p>It is a settlement that is situated at the south of the Yeşilçomlu Village under a hill whose top is used as a quarry. It lies adjacent to the previously mentioned necropolis that stands at the same height as the settlement. The surface is densely covered with ceramic fragments from the Byzantine-Ottoman era. It was probably a vast village settlement.</p> <p>As the archaeological area lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Additionally, the Directorate of the Bandırma Museum should be informed of the existence of the area to carry out on-site field inspections and if needed for registration to ensure its protection.</p> <p>If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Balıkesir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done, the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum.</p>
47	Halvadca Çeşme Slope Settlement	Balıkesir	Bandırma/ Yeşilçomlu	On the route axis	<p>It is located at southwest of Yeşilçomlu Village next to a forested area. The surface of its vicinity was covered in dense ceramics fragments dated to the Byzantine-Ottoman eras. The settlement could be a small building complex with a nearby water well.</p> <p>As the archaeological area lies directly on the construction area of the Project route the expert opinion proposes the opening of trial pits in the area. Furthermore, if construction works will be realized around the area they are strongly advised to be subjected to detailed archaeological on-site monitoring. Additionally, the Directorate of the Bandırma Museum should be informed of the existence of the area to carry out on-site field inspections and if needed for registration to ensure its protection.</p> <p>If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Balıkesir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done, the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum.</p>
48	Söğütçe Çeşme Mevkii Settlement	Balıkesir	Bandırma/ Kuşcenneti	On the route axis	<p>It is situated next to the present railway on the route of the junction line towards the direction of Bandırma-İzmir. The settlement reflects the traits of a mound lying next to a water source. The surface finds point to the existence of a possible Roman and Middle Age settlement. The area yielded architectural blocks together with ceramics.</p> <p>As the archaeological area lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Additionally, the Directorate of the Bandırma Museum should be informed of the existence of the area to carry out on-site field inspections and if needed for registration to ensure its protection.</p> <p>If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Balıkesir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done, the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum</p>
49	Karakova Mevkii Tumulus	Balıkesir	Bandırma/ Kuşcenneti	113 m	<p>The tumulus lies next to the Bandırma-İzmir highway with a view of the Manyas Lake. Its distance to the Project route is 113 m. The artificial mound has many looters holes on and around surrounded by ceramic fragments from the Roman Period and marble architectural elements.</p> <p>Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bandırma Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.</p> <p>Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring</p>
50	Late Ottoman Bridge 1	Balıkesir	Bandırma/ Doğruca	141 m	<p>The opposite landscape of the Bandırma Industrial Zone is constituted by arable pasture land. The landscape is blessed with many tributaries.</p> <p>The discovered bridge lies on the trail of the old Bandırma-Bursa highway. The paving stones from the old road are still visible in the area.</p> <p>Being built as a single arched structure the bridge lies 120 m to the Project area. It is less likely that the structure will be affected in any sense by the Project.</p> <p>The expert opinion strongly recommends route change for the passing of heavy tonnage vehicles from the nearby of the bridge and their directing to other alternative routes. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring</p>
51	Late Ottoman Bridge 2	Balıkesir	Bandırma/ Doğruca	122 m	<p>The opposite landscape of the Bandırma Industrial Zone is constituted by arable pasture land. The landscape is blessed with many tributaries.</p> <p>The discovered bridge lies on the trail of the old Bandırma-Bursa highway. The paving stones from the old road are still visible in the area.</p> <p>Being built as a single arched structure the bridge lies 141 m to the Project area. It is less likely that the structure will be affected in any sense by the Project.</p> <p>The expert opinion strongly recommends route change for the passing of heavy tonnage vehicles from the nearby of the bridge and their directing to other alternative routes. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring</p>
52	Late Ottoman Bridge 3	Balıkesir	Bandırma/ Doğruca	121 m	<p>The opposite landscape of the Bandırma Industrial Zone is constituted by arable pasture land. The landscape is blessed with many tributaries.</p> <p>The discovered bridge lies on the trail of the old Bandırma-Bursa highway. The paving stones from the old road are still visible in the area.</p> <p>Being built as a single arched structure the bridge lies 122 m to the Project area. It is less likely that the structure will be affected in any sense by the Project.</p> <p>The expert opinion strongly recommends route change for the passing of heavy tonnage vehicles from the nearby of the bridge and their directing to other alternative routes. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring</p>
53	Arch Culvert 1	Balıkesir	Bandırma/ Doğruca	117 m	<p>The discovered arch culvert lies on the trail of the old Bandırma-Bursa highway. The paving stones from the old road are still visible in the area.</p> <p>Being built as a single arched structure the bridge lies 117 m to the Project area. It is less likely that the structure will be affected in any sense by the Project.</p> <p>The expert opinion strongly recommends route change for the passing of heavy tonnage vehicles from the nearby of the bridge and their directing to other alternative routes. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.</p>
54	Arch Culvert 2	Balıkesir	Bandırma/ Doğruca	93 m	<p>The discovered arch culvert lies on the trail of the old Bandırma-Bursa highway. The paving stones from the old road are still visible in the area.</p> <p>Being built as a single arched structure the bridge lies 93 m to the Project area. It is less likely that the structure will be affected in any sense by the Project.</p> <p>The expert opinion strongly recommends route change for the passing of heavy tonnage vehicles from the nearby of the bridge and their directing to other alternative routes. Furthermore, if</p>



					construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring
55	Late Ottoman Bridge 4	Balıkesir	Bandırma/Doğruca	73 m	<p>The opposite landscape of the Bandırma Industrial Zone is constituted by arable pasture land. The landscape is blessed with many tributaries. The discovered bridge lies on the trail of the old Bandırma-Bursa highway. The paving stones from the old road are still visible in the area. Being built as a single arched structure the bridge lies 73 m to the Project area. It is less likely that the structure will be affected in any sense by the Project. As the structure is strengthened with the addition of steel constructions it could be used for transportation. The expert opinion strongly recommends route change for the passing of heavy tonnage vehicles from the nearby of the bridge and their directing to other alternative routes. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring</p>
56	Doğruca Hilltop settlement	Balıkesir	Bandırma/Doğruca	10 m	<p>It is situated east of the Doğruca Village, next to the river at a passage that falls between 2 mountains. An active marble quarry lies adjacent to it. The surface around the area, which shows the characteristic trait of a hilltop settlement, is densely covered with ceramic fragments of Middle Age date together with roof tiles. Other archaeological findings constitute architectural blocks. As the archaeological area lies 10 m towards the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Additionally, the Directorate of the Bandırma Museum should be informed of the existence of the area to carry out on-site field inspections and if needed for registration to ensure its protection. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Balıkesir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done, the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. Further trial trenches could be opened by the Museum.</p>



## SITE DESCRIPTION FORM

### LOCATION

### GEOGRAPHICAL LOCATION

Form No	1	River	Sakarya River
Name	İnönü Necropolis	Valley	
Province / District	Bilecik-Osmaneli	Mountain	
Neighborhood	İnönü Mah.	Lowland	

### COORDINATES (ED50 6 Derece UTM Zone 35)

X				Y			
1	757978.97	6	758015.21	1	4471590.1	6	4471470.4
2	758026.00	7	757984.94	2	4471586.74	7	4471471.51
3	758052.01	8	757940.64	3	4471560.87	8	4471483.92
4	758061.4	9	757940.3	4	4471525.33	9	4471517.38
5	758043.86	10	757945.23	5	4471483.66	10	4471566.04

ERA		FINDING TYPES		Dimension/ Direction	
		Ceramic	Small Findings	N-S	
Chalcolithic				E-W	
Bronze Age				Measuring Range	
Hellenistical Age					
Roman	X	X			
Byzantium/ Ottoman	X	X			

### DESCRIPTION

Topographical Features						
Architectural Features						
Type	Castle	City	Plain Settlement	Mound	Cemetery	
					X	
Location	Hilltop	Slope	Foothill	Lowland	Shore	
	X					
	Ravine	Waterfront	Farming Area	Mineral Resource		

Distance to Route	On the route.
Suggestion	Route change or trial pits / Salvage excavation

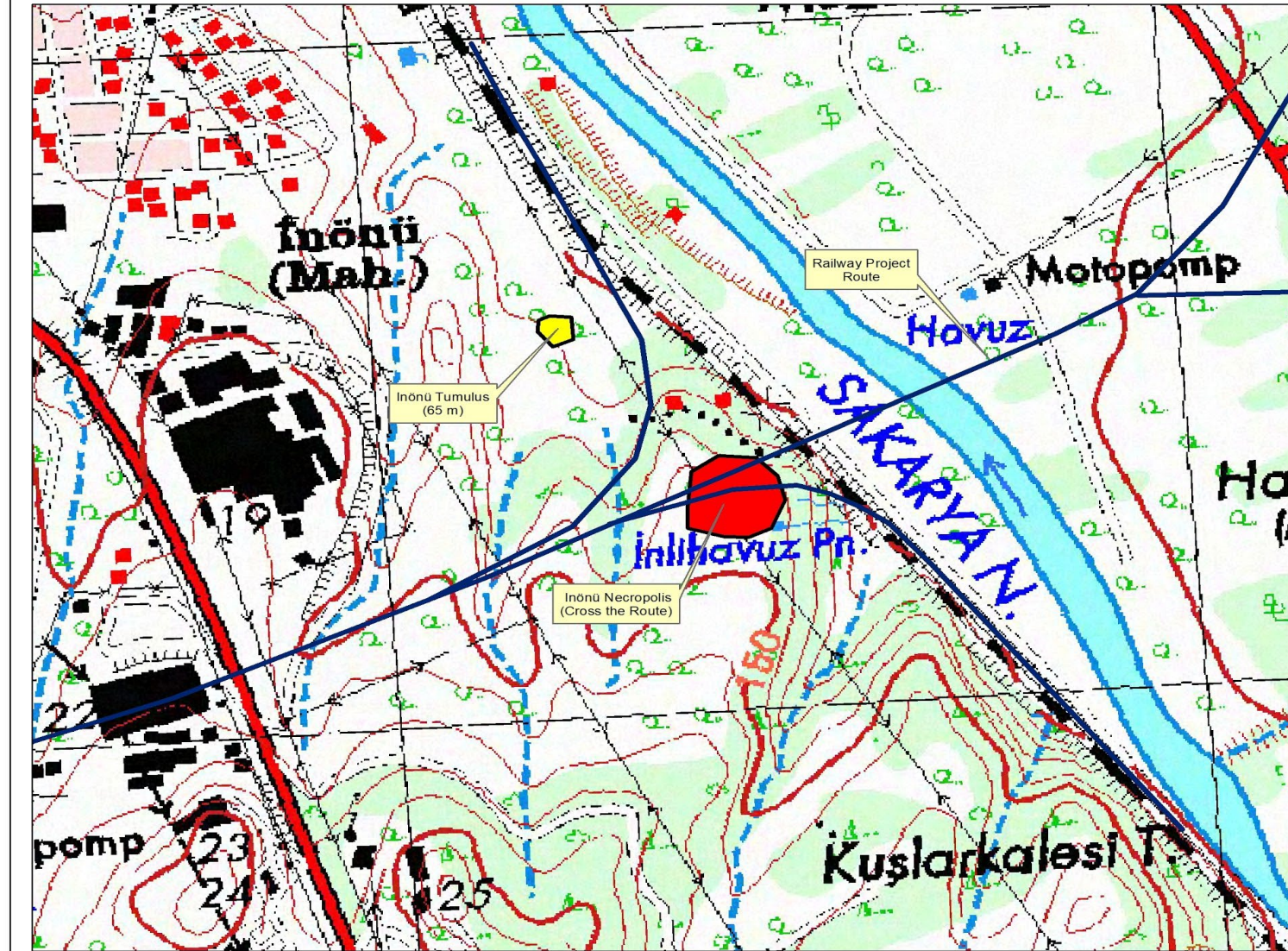
### OBSERVATIONS

As the necropolis lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Eskişehir Regional Board for Preservation of Cultural and Natural Assets.





## FINDINGS



### LEGEND

- Railway Project Route
- Cultural Heritage Area (Medium)
- Cultural Heritage Area (High Risk)



Scale: 1/5.000

0 75 150 300 m

Map : Topographical Map

Project : Bandırma - Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 002

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



HERMES  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI



**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>2</b>	<b>River</b>	Sakarya River
<b>Name</b>	İnönü Tumulus	<b>Valley</b>	
<b>Province / District</b>	Bilecik-Osmaneli	<b>Mountain</b>	
<b>Neighborhood</b>	İnönü Mah.	<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	757769.94	6	757755.68	1	4471793.97	6	4471787.01
2	757796.55	7		2	4471791.46	7	
3	757799.11	8		3	4471759.12	8	
4	757773.32	9		4	4471748.63	9	
5	757754.24	10		5	4471770.94	10	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>	X				
<b>Byzantium/ Ottoman</b>					

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
		X				
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	Distance to route 65 m.					
<b>Suggestion</b>	Advised to be subjected to detailed archaeological on-site monitoring.					

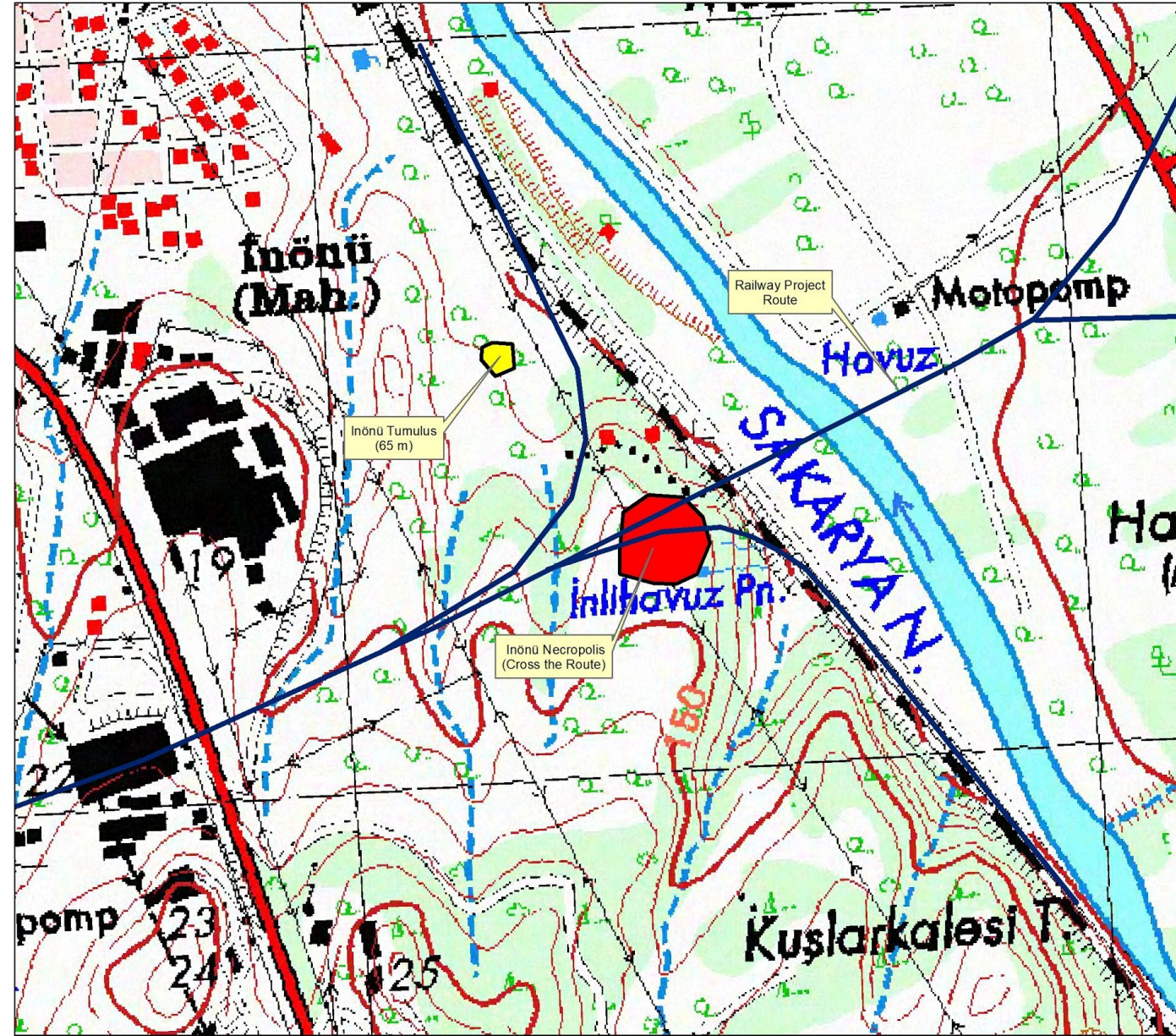
**OBSERVATIONS**

Being surrounded by trees and easily separated from the rest of the topography the tumulus stands as high as 3 m. Despite its relatively close extent to the project field with a distance of 65 m, it is less likely that this structure will be affected by any phase of the project. Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bilecik Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.





## FINDINGS



### LEGEND

- Railway Project Route
- Cultural Heritage Area (Medium)
- Cultural Heritage Area (High Risk)



Scale: 1/5.000

0 75 150 300 m

Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standart Railway Project

Drawing No : 002

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI







**SITE DESCRIPTION FORM**

**LOCATION**

**GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>3</b>	River	
<b>Name</b>	Büyükyenice Cemetery	Valley	
<b>Province / District</b>	Bilecik-Osmaneli	Mountain	
<b>Neighborhood</b>		Lowland	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	758603.31	6	758402.64	1	4472608.23	6	4472410.85
2	758643.5	7	758491.73	2	4472587.55	7	4472532.03
3	758651.39	8		3	4472540.01	8	
4	758611.01	9		4	4472449.89	9	
5	758451.65	10		5	4472353.12	10	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>	X				
<b>Early Republic of Turkey</b>	X				

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	Distance to route, 25 m.					
<b>Suggestion</b>	Advised to be subjected to detailed archaeological on-site monitoring					

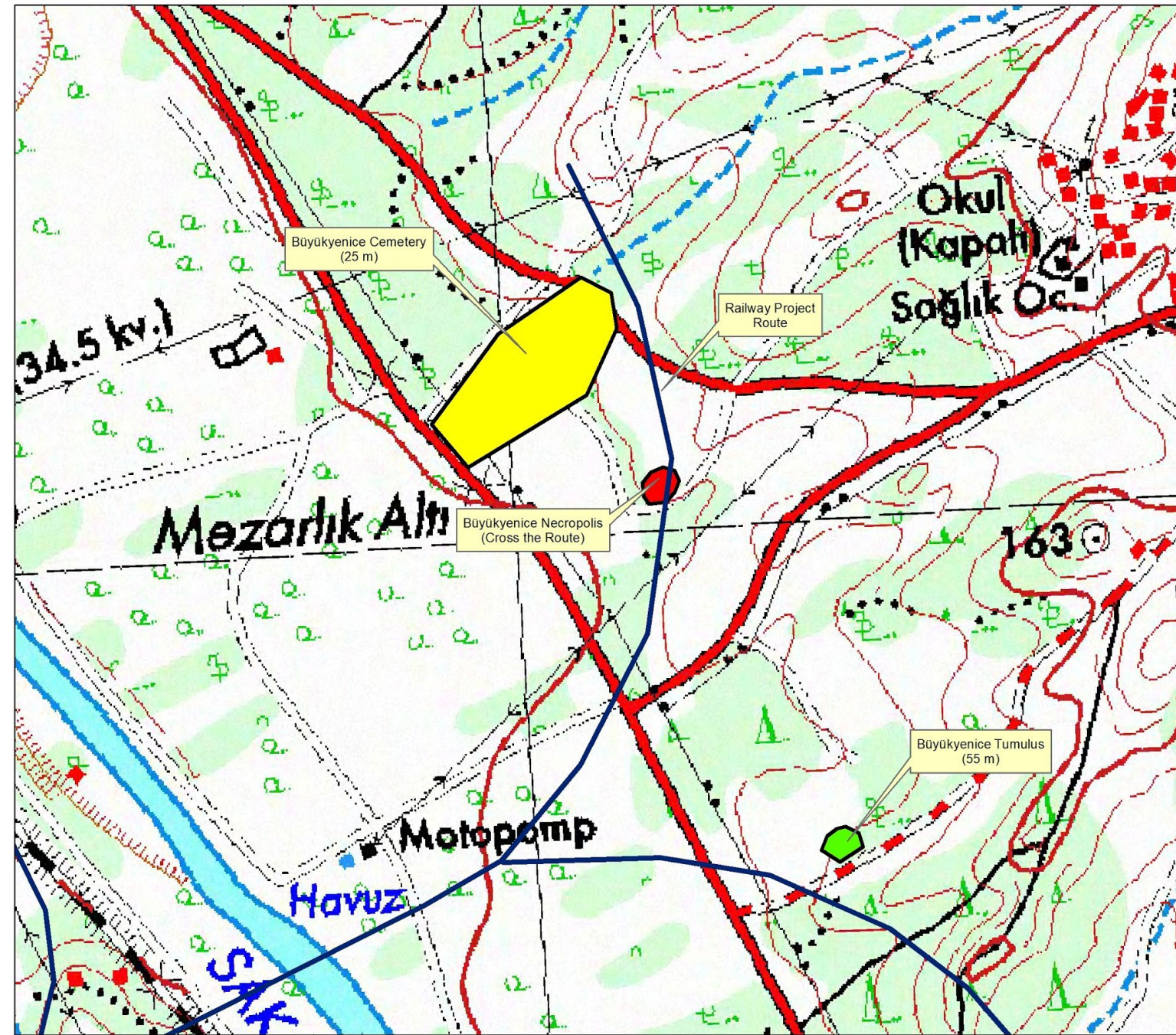
**OBSERVATIONS**

Alan Osmanlı Dönemi ve Erken Cumhuriyet Dönemi Mezarlık alanıdır. Mezarlar bölgeye özgü (kireç taşı) kayalarla sanduka şeklinde örülerek oluşturulmuştur. Aynı kayaç yapısını tümülüsde de görmekteyiz. Mezarların birinde Geç Osmanlı Döneminde de görülen kavuklu mezar taşı bulunmaktadır. Mezarlık güncel olarak da kullanılmaktadır. Yakınındaki diğer alanlara mesafeleri: Büyükyenice Nekropolis'in 150 m güneydoğusunda yer alır.





FINDINGS



LEGEND

- Railway Project Route
- Cultural Heritage Area (Low)
- Cultural Heritage Area (Medium)
- Cultural Heritage Area (High Risk)



Scale: 1/5.000

0 75 150 300 m

Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standart Railway Project

Drawing No : 001

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



HERMES  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>4</b>	River	
<b>Name</b>	Büyükyenice Necropolis	Valley	
<b>Province / District</b>	Bilecik-Osmaneli	Mountain	
<b>Neighborhood</b>		Lowland	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	758713.85	6	758694.88	1	4472353.38	6	4472303.86
2	758728.88	7	758687.86	2	4472349.43	7	4472314.21
3	758735.52	8	758685.7	3	4472335.03	8	4472332.01
4	758729.44	9	758697.41	4	4472320.61	9	4472346.88
5	758717.2	10		5	4472306.4	10	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>	X	X			

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	On the route					
<b>Suggestion</b>	In the case of construction within the area, preliminary research in the form of test trenches could be realized by the Museum.					

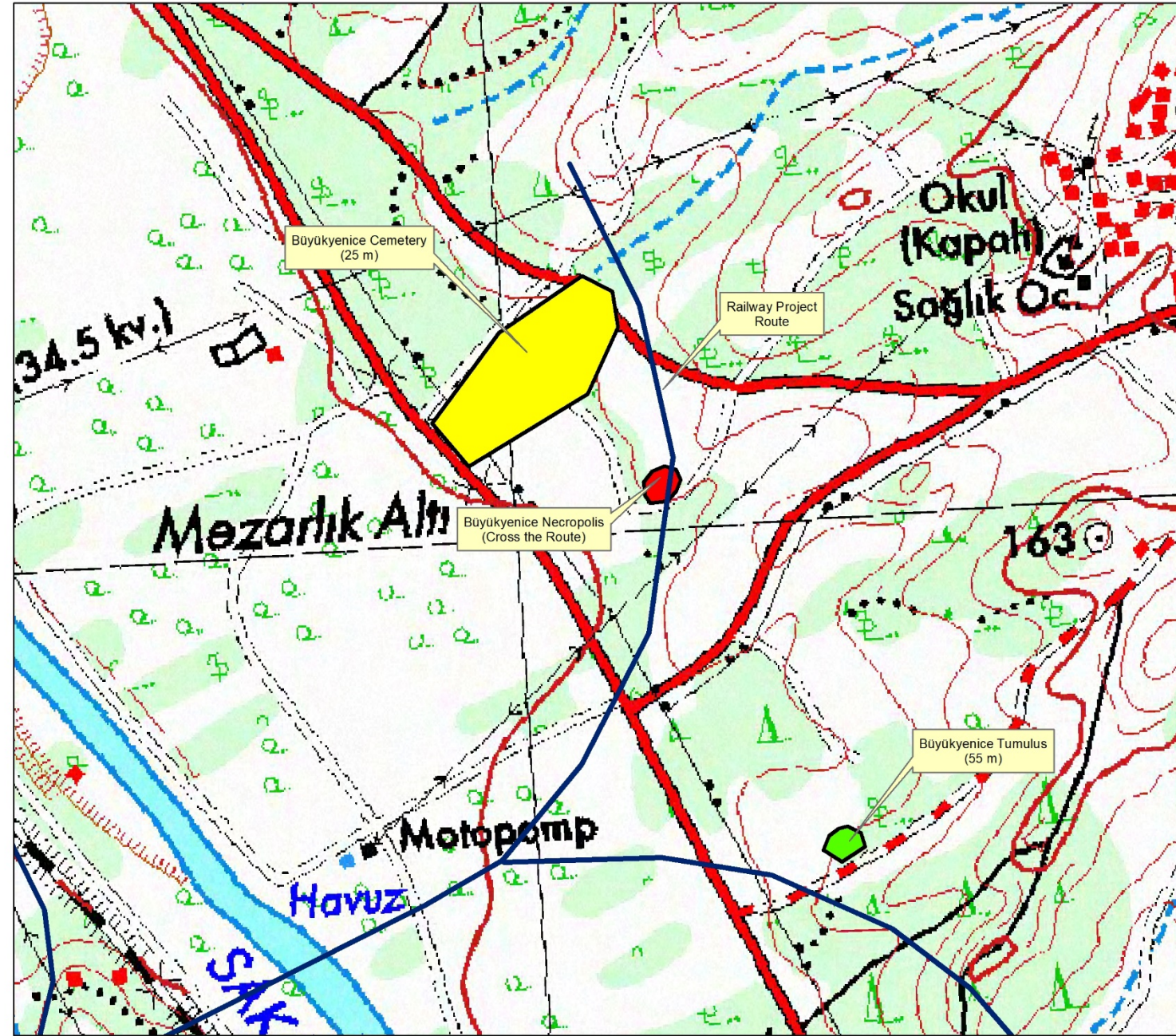
**OBSERVATIONS**

As the necropolis lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring..



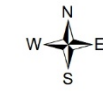


FINDINGS

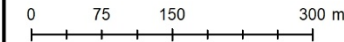


LEGEND

- Railway Project Route
- Cultural Heritage Area (Low)
- Cultural Heritage Area (Medium)
- Cultural Heritage Area (High Risk)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma - Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standart Railway Project

Drawing No : 001

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



HERMES  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>5</b>	<b>River</b>	Sakarya River
<b>Name</b>	Büyükyenice Tümülüs	<b>Valley</b>	
<b>Province / District</b>	Bilecik-Osmaneli	<b>Mountain</b>	
<b>Neighborhood</b>	Büyükyenice Mah.	<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	758958.67	6	758933.88	1	4471871.65	6	4471859.05
2	758976.55	7	758946.6	2	4471863.00	7	4471868.74
3	758982.16	8		3	4471844.04	8	
4	758951.31	9		4	4471824.05	9	
5	758926.2	10		5	4471839.85	10	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>	X				
<b>Byzantium/ Ottoman</b>					

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
		X				
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
			X			
<b>Distance to Route</b>	Distance to route, 55 m					
<b>Suggestion</b>	Advised to be subjected to detailed archaeological on-site monitoring					

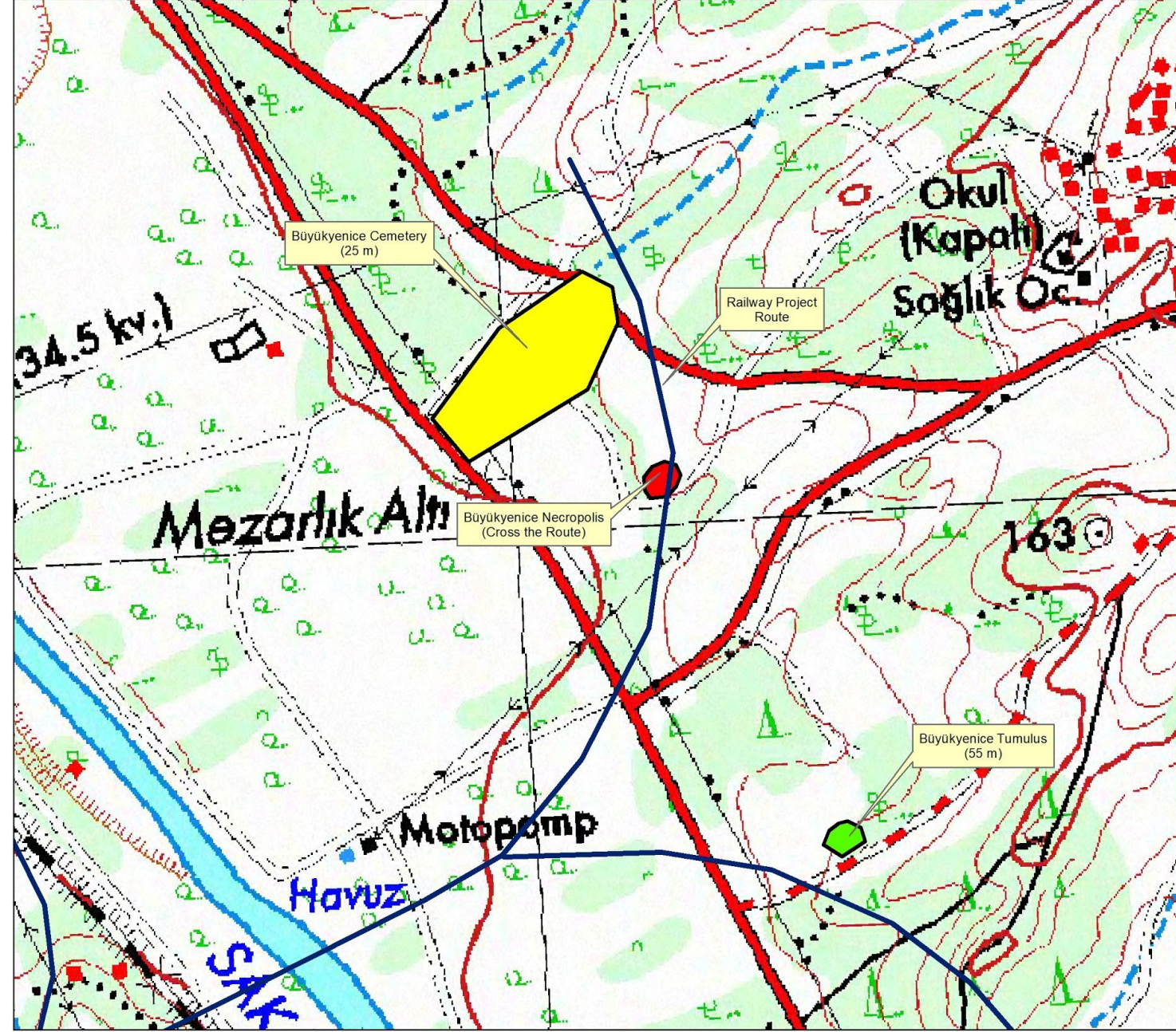
**OBSERVATIONS**

The tumulus stands on the west bank of the Sakarya River towards 60 m west of the İstanbul-Ankara High Standard Railway line. Its location within the present Project route is towards 50 m distance to the joint point towards Ankara.





**FINDINGS**

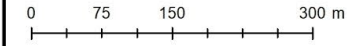


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Low)
- Cultural Heritage Area (Medium)
- Cultural Heritage Area (High Risk)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standart Railway Project

Drawing No : 001

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>6</b>	<b>River</b>	Sakarya River
<b>Name</b>	Osmaneli İlçe Mezarlığı	<b>Valley</b>	
<b>Province / District</b>	Bilecik-Osmaneli	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	754974.72	6	755038.3	1	4472209.07	6	4472079.84
2	754996.41	7	755017.05	2	4472199.95	7	4472048.68
3	755044.41	8	755007.88	3	4472174.06	8	4472032.84
4	755087.8	9	754994.81	4	4472141.04	9	4472001.01
5	755095.36	10	754990.07	5	4472123.78	10	4471980.6

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				<b>Chalcolithic</b>	
<b>Bronze Age</b>				<b>Bronze Age</b>	
<b>Hellenistical Age</b>				<b>Hellenistical Age</b>	
<b>Roman</b>	X			<b>Roman</b>	
<b>Byzantium/ Ottoman</b>				<b>Byzantium/ Ottoman</b>	

**DESCRIPTIONS**

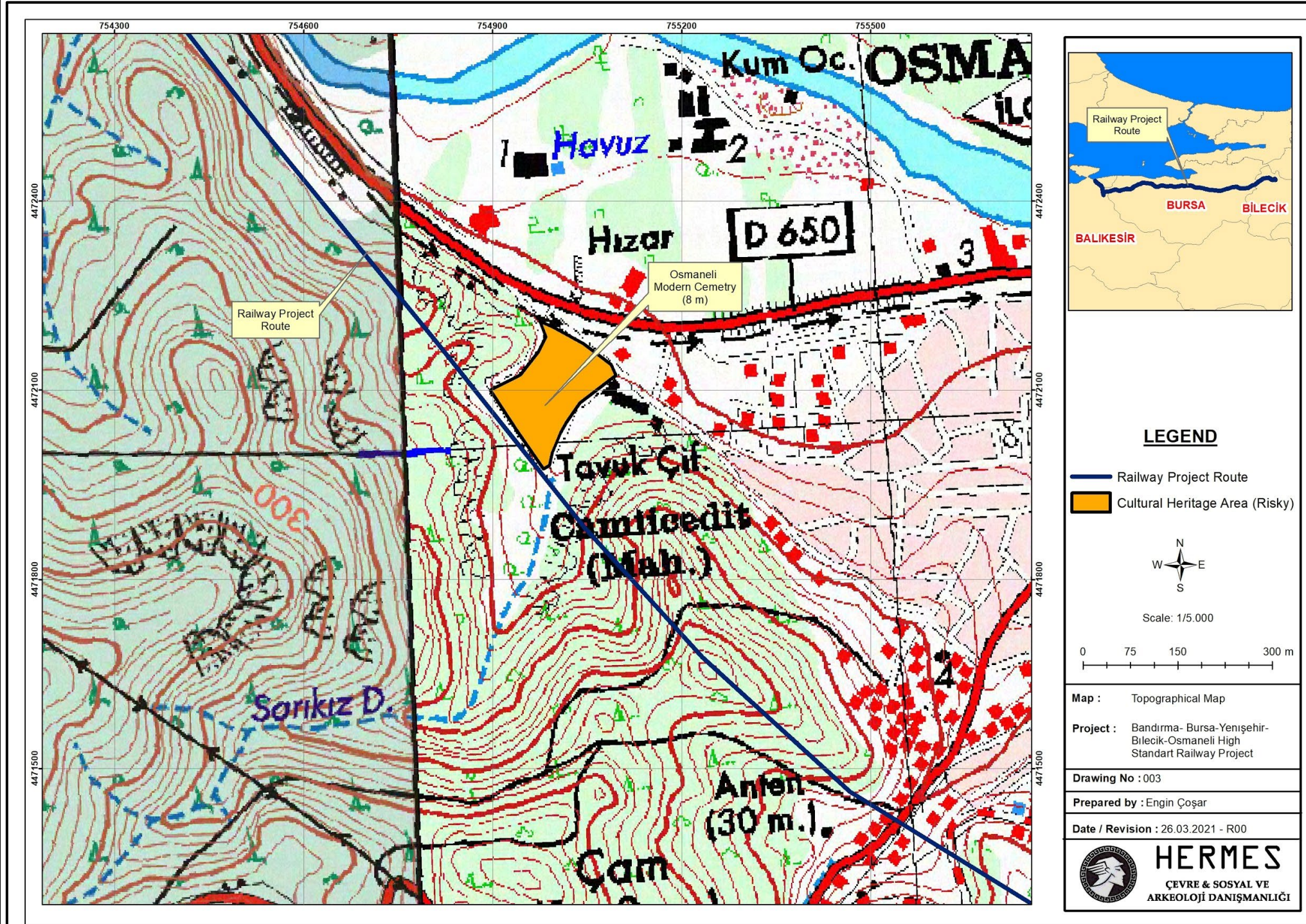
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	Distance to route, 8 m.					
<b>Suggestion</b>	Advised to be subjected to detailed archaeological on-site monitoring					

**OBSERVATIONS**

Modern Cemetery, Osmaneli District.--



**FINDINGS**





**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	7	River	
<b>Name</b>	Düzmeşe Roman Settlement	Valley	
<b>Province / District</b>	Bilecik	Mountain	
<b>Neighborhood</b>		Lowland	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	747703.77	6	747754.22	1	4472651.4	6	4472537.26
2	747750.45	7	747717.78	2	4472664.62	7	4472526.16
3	747766.39	8	747665.03	3	4472658.87	8	4472515.07
4	747781.51	9	747630.99	4	4472610.68	9	4472541.87
5	747770.88	10	747633.93	5	4472577.87	10	4472569.32

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>	X	X			
<b>Byzantium/ Ottoman</b>					

**DESCRIPTIONS**

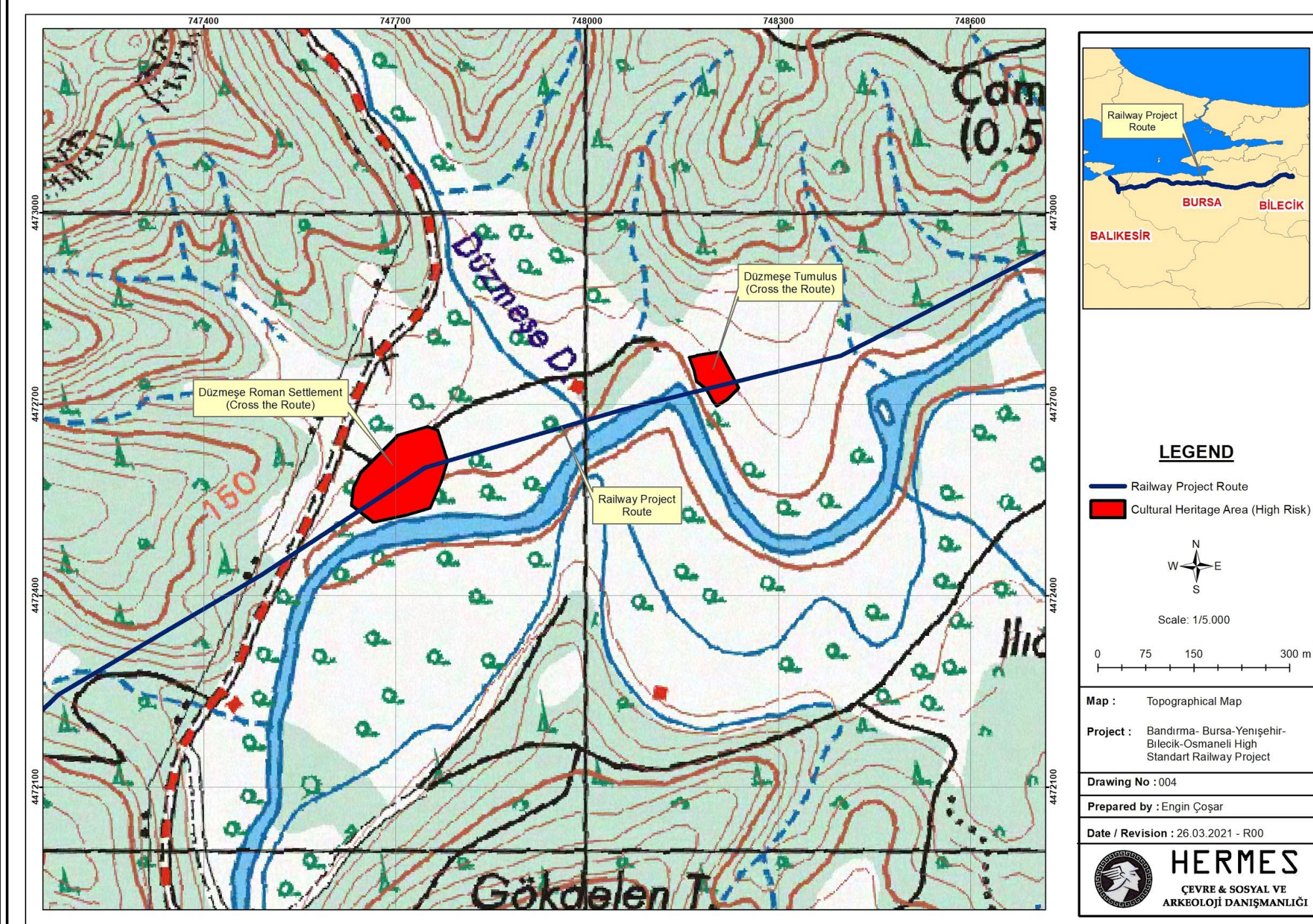
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
			X		X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
		X				
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	On the route					
<b>Suggestion</b>	Test trenches could be realized by the Museum					

**OBSERVATIONS**

As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. --



**FINDINGS**







**SITE DESCRIPTION FORM**

**LOCATION**

**GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>8</b>	<b>River</b>	Göksu River
<b>Name</b>	Düzmeşe Tümülüs	<b>Valley</b>	
<b>Province / District</b>	Bilecik-Osmaneli	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

X				Y			
1	748187.8	6	748172.94	1	4472759.35	6	4472734.79
2	748203.14	7	748175.95	2	4472749.46	7	4472748.79
3	748204.62	8		3	4472727.57	8	
4	748191.86	9		4	4472719.32	9	
5	748182.16	10		5	4472721.81	10	
ERA		FINDING TYPES		Dimension/ Direction			
		Ceramic	Small Findings	N-S			
Chalcolithic				E-W			
Bronze Age				Measuring Range			
Hellenistical Age							
Roman	X	X					
Byzantium/ Ottoman							

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Tumulus</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	X					
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	On the route					
<b>Suggestion</b>	Test trenches or salvage excavation to be followed by a rescue excavation could be realized by the Museum.					

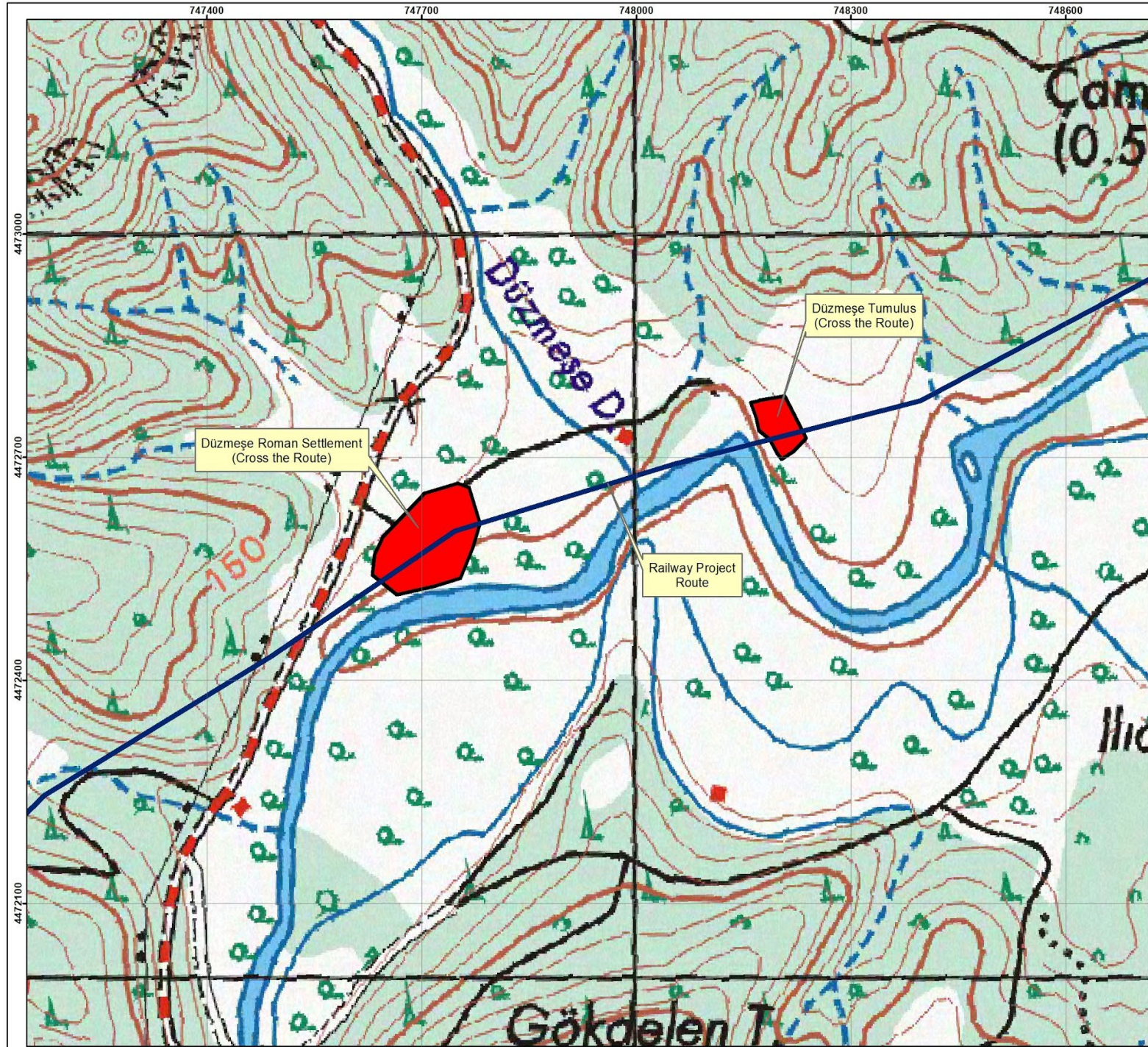
**OBSERVATIONS**

As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring.





FINDINGS

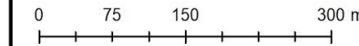


LEGEND

- Railway Project Route
- Cultural Heritage Area (High Risk)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standart Railway Project

Drawing No : 004

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



HERMES  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>9</b>	<b>River</b>	Göksu River
<b>Name</b>	Kuletepe Mound and Castle	<b>Valley</b>	
<b>Province / District</b>	Bilecik	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDİNATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	745731.61	6	745529.02	1	4470713.35	6	4470498.39
2	745748.05	7	745448.28	2	4470648.76	7	4470435.17
3	745675.39	8	745364.33	3	4470612.04	8	4470491.39
4	745558.13	9	745409.46	4	4470521.05	9	4470590.19
5	745546.81	10	745452.53	5	4470545.7	10	4470641.77

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>	X	X	X		
<b>Byzantium/ Ottoman</b>	X	X			

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
	X			X		
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
		X	X		X	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
		X	X			
<b>Distance to Route</b>	On the route.					
<b>Suggestion</b>	In the case of construction within the area, preliminary research in the form of test trenches to be followed by a salvage excavation could be realized by the Museum.					

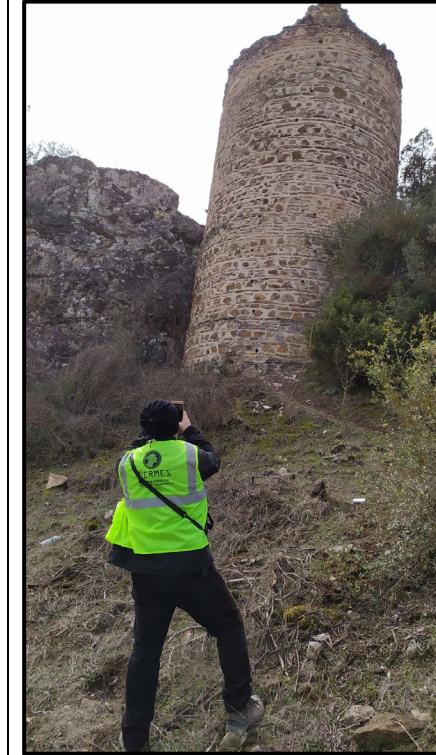
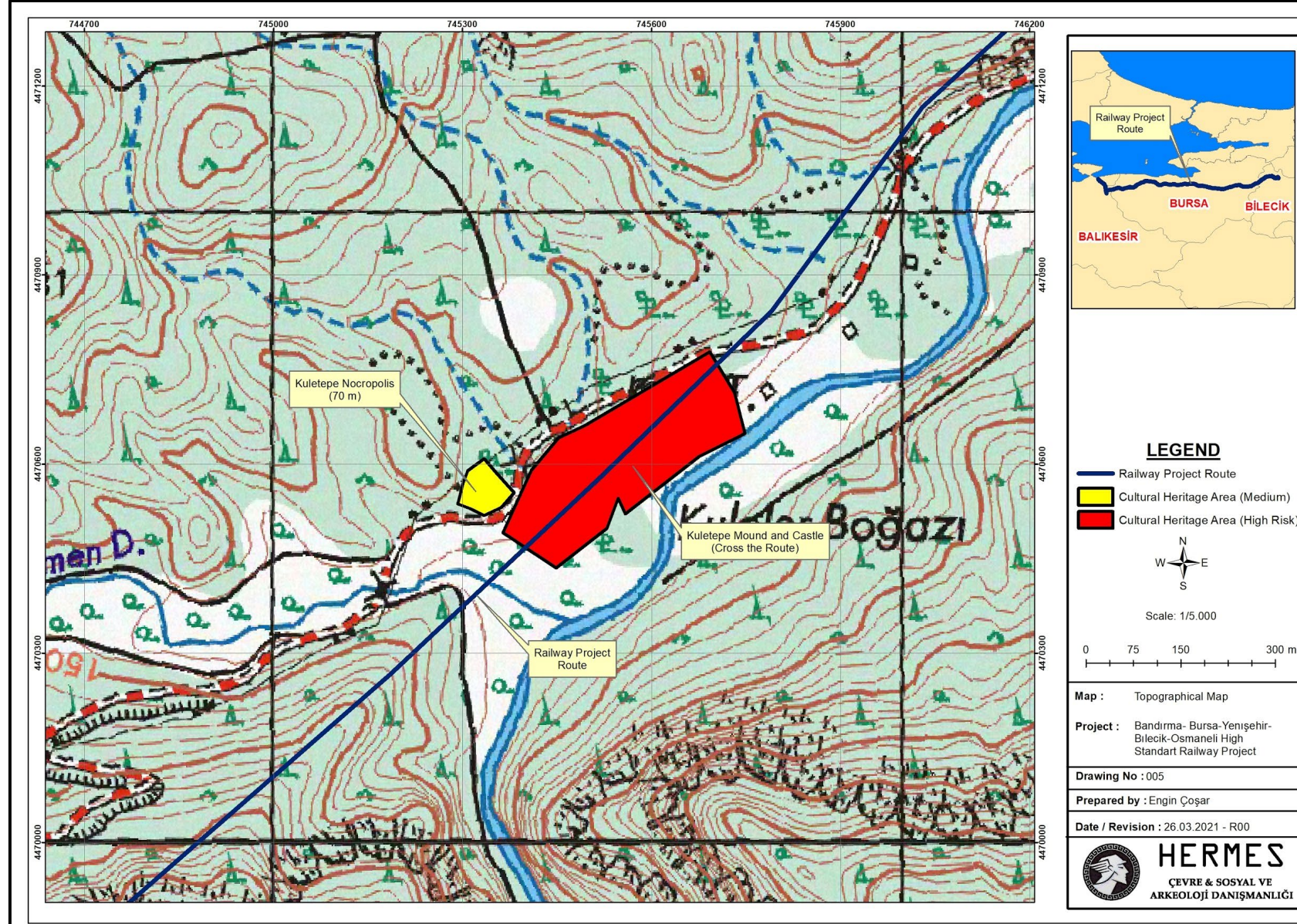
**OBSERVATIONS**

As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring.





## FINDINGS





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>10</b>	<b>River</b>	Göksu River
<b>Name</b>	Kuletepe Necropolis	<b>Valley</b>	
<b>Province / District</b>	Bilecik	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDİNATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	745334.2	6	745314.05	1	4470608.71	6	4470528.75
2	745353.08	7	745292.66	2	4470586.43	7	4470537.11
3	745382.18	8	745296.02	3	4470554.59	8	4470551.61
4	745361.51	9	745300.47	4	4470531.47	9	4470569.48
5	745334.39	10	745308.28	5	4470518.86	10	4470589.67

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>	X	X			
<b>Byzantium/ Ottoman</b>					

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
		X				
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
			X			
<b>Distance to Route</b>		70 m.				
<b>Suggestion</b>		Advised to be subjected to detailed archaeological on-site monitoring.				

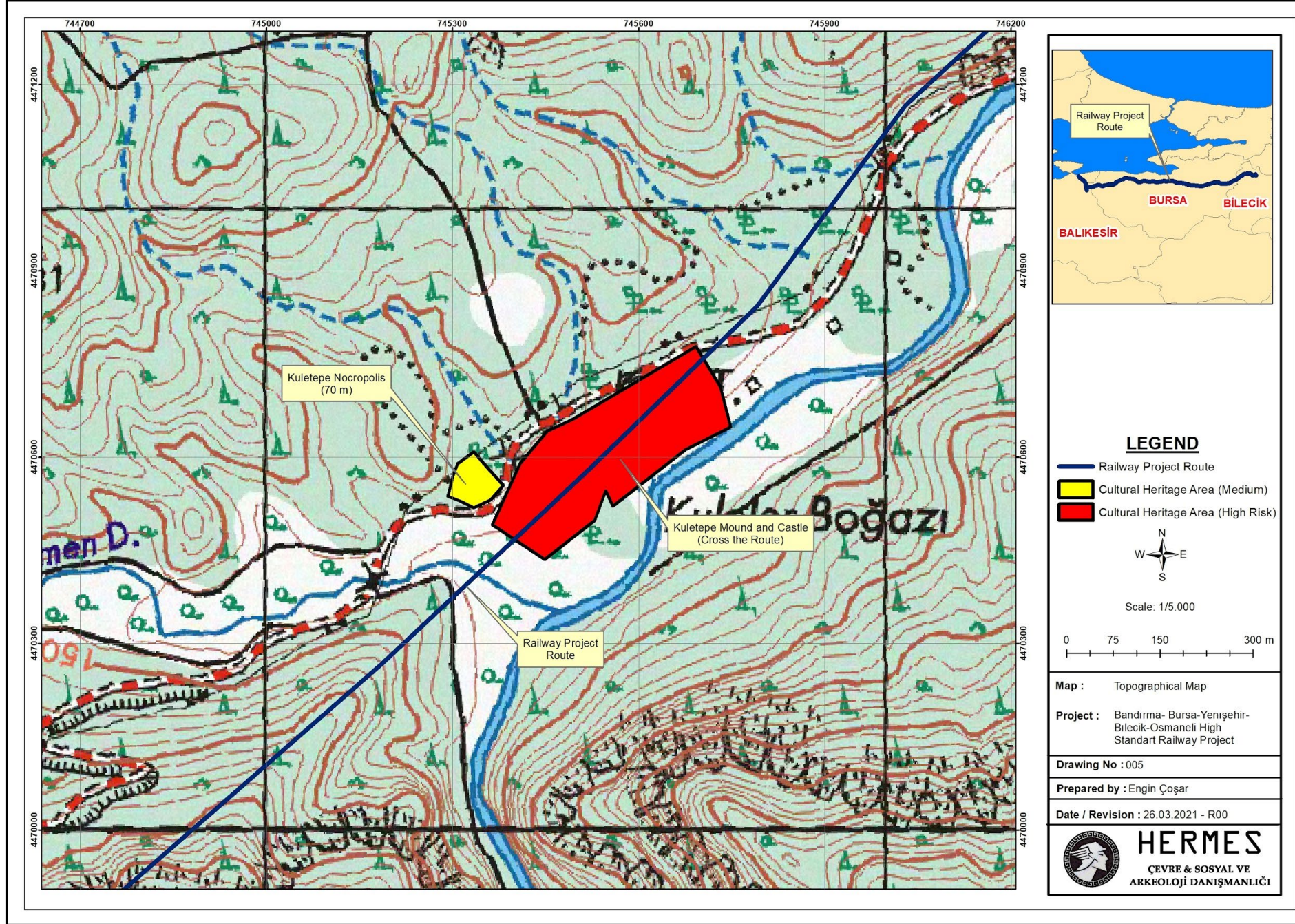
**OBSERVATIONS**

The tiles reflect the characteristic of ancient Roman tiles that were used to cover the burials. All this evidence points to the possible use of the area as a necropolis. It is strictly proposed that the Directorate of the Bilecik Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.





## FINDINGS





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>11</b>	<b>River</b>	
<b>Name</b>	Ebeköy Plain Settlement	<b>Valley</b>	
<b>Province / District</b>	Bursa-Yenişehir	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	734207.43	6	734148.88	11	4460920.45	16	4460861.23
2	734257.32	7	734168.11	12	4460876.41	17	4460903.52
3	734249.78	8		13	4460848.79	18	
4	734231.87	9		14	4460817.18	19	
5	734195.91	10		15	4460815.21	20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>	X	X			

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
			X		X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
		X				
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	On the route					
<b>Suggestion</b>	Advised to be subjected to detailed archaeological on-site monitoring					

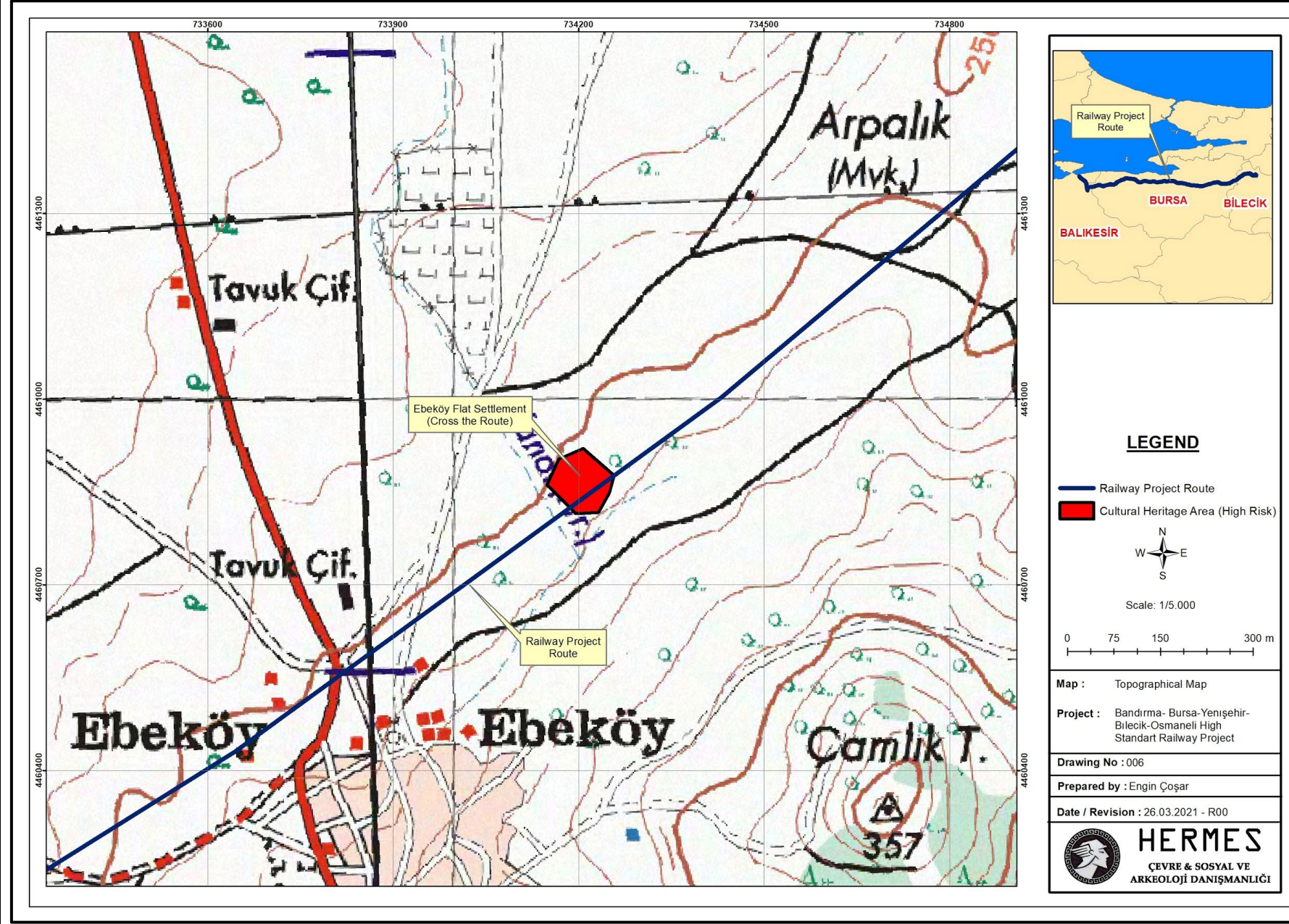
**OBSERVATIONS**

If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Eskişehir Regional Board for Preservation of Cultural and Natural Assets. . In the case of construction within the area, preliminary research in the form of test trenches to be followed by a rescue excavation could be realized by the Museum.





**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>12</b>	River	
<b>Name</b>	Akdere Mound	Valley	
<b>Province / District</b>	Bursa-Yenişehir	Mountain	
<b>Neighborhood</b>	Akdere Mah.	Lowland	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	730423.34	6	730687.49	11	4459661.17	16	4459552.89
2	730472.4	7	730687.69	12	4459706.51	17	4459508.86
3	730539.3	8	730682.36	13	4459721.96	18	4459475.13
4	730616.59	9	730627.59	14	4459709.5	19	4459391.71
5	730674.96	10	730470.64	15	4459620.35	20	4459414.54

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>	X	X			
<b>Byzantium/ Ottoman</b>					

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
				X		
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	X					
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	On the route					
<b>Suggestion</b>	Route change or test pits should be carried out under the museum directorate. Advised to be subjected to detailed archaeological on-site monitoring					

**OBSERVATIONS**

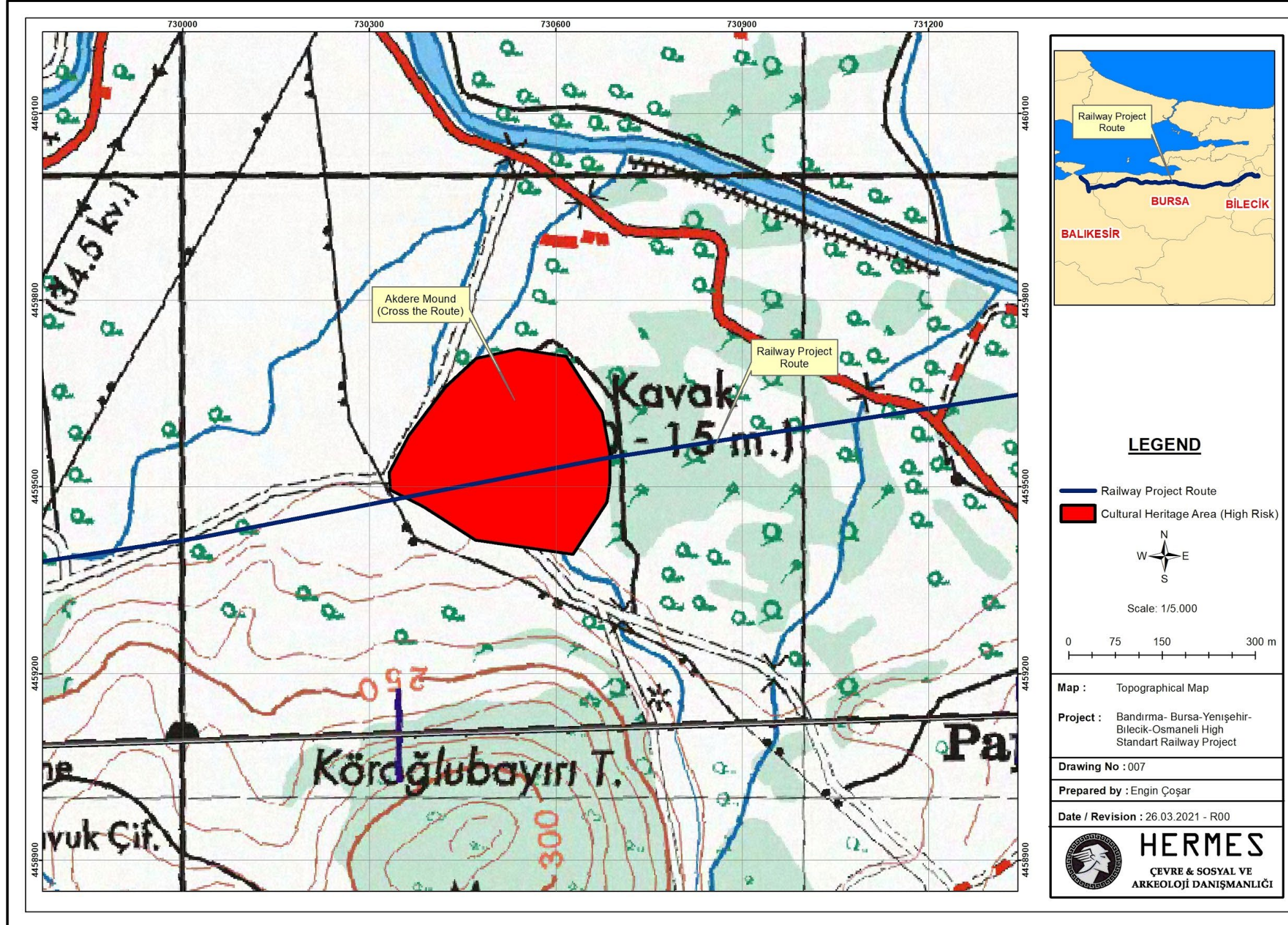
Surface inspections revealed the existence of ceramic sherds of the Roman period dated between the 3<sup>rd</sup>-4<sup>th</sup> centuries AD together with Late Roman assemblages of 5<sup>th</sup>-6<sup>th</sup> centuries AD.

As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor or trespassing from the location with a viaduct. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Still, it is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.





**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>13</b>	River	
<b>Name</b>	Akdere Cemetery	Valley	
<b>Province / District</b>	Bursa	Mountain	
<b>Neighborhood</b>	Akdere Mahallesi	Lowland	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	729497.17	6	729506.74	11	4459283.45	16	4459109.37
2	729511.05	7	729474.72	12	4459252.42	17	4459104.77
3	729567.14	8	729441.51	13	4459266.89	18	4459215.65
4	729628.03	9	729441.54	14	4459054.72	19	4459268.29
5	729567.59	10		15	4459020.32	20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>					

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	Distance to Route, 55 m.					
<b>Suggestion</b>	Advised to be subjected to detailed archaeological on-site monitoring					

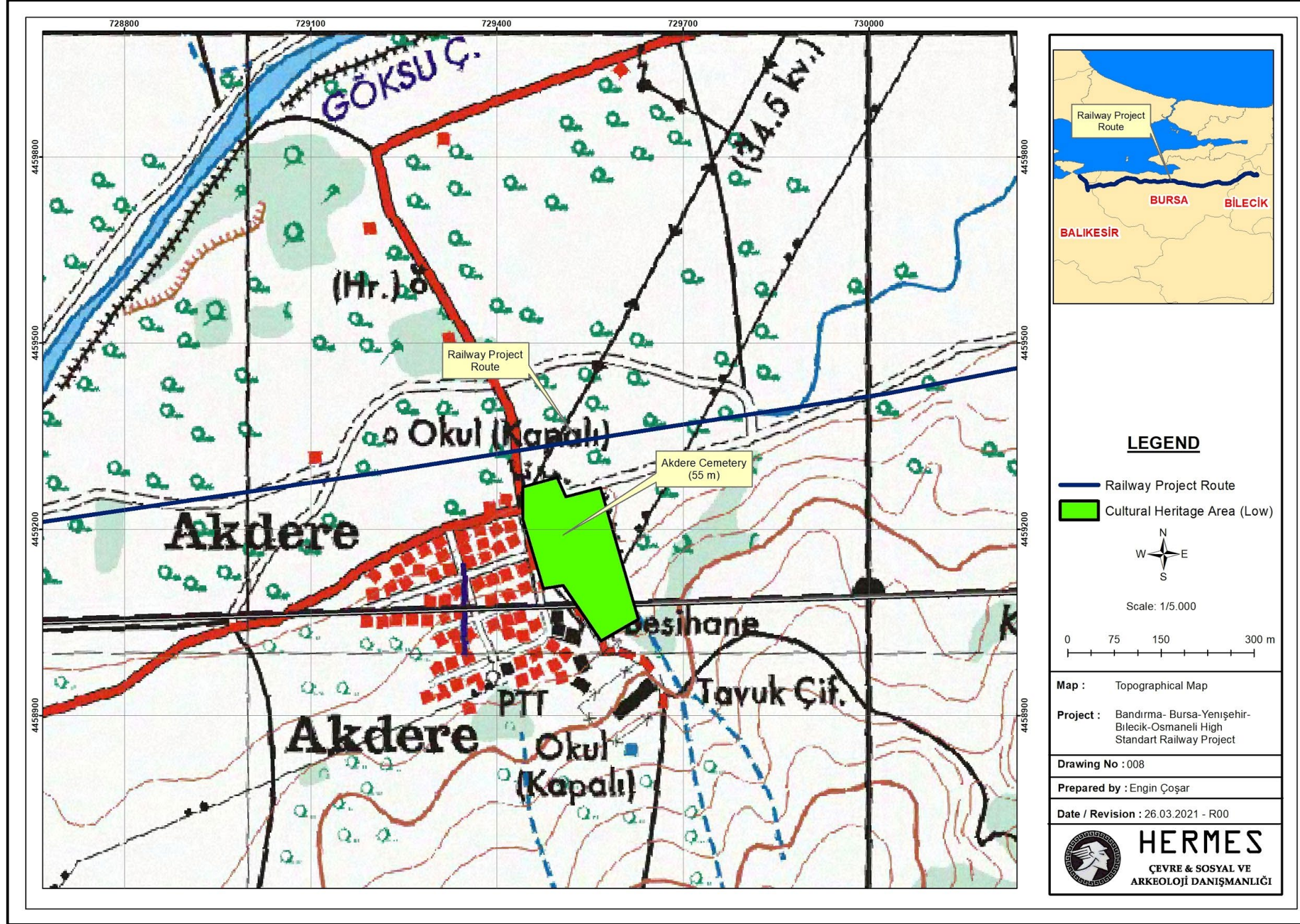
**OBSERVATIONS**

Early Republic of Turkey and modern cemetery of Akdere Village:





## FINDINGS





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>14</b>	<b>River</b>	
<b>Name</b>	Üyücek Hill Mound	<b>Valley</b>	
<b>Province / District</b>	Bursa-Yenişehir	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDİNATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	721292.77	6	721424.75	11	4460991.31	16	4460778.39
2	721355.4	7	721347.96	12	4460986.22	17	4460733.97
3	721392.87	8	721238.09	13	4460951.75	18	4460728.77
4	721444.34	9	721163.68	14	4460910.74	19	4460784.67
5	721465.29	10	721129.41	15	4460846.31	20	4460888.5

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>	X	X		E-W	
<b>Bronze Age</b>	X	X		<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>					

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
				X		
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
				X		
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	Distance to Route, 165 m.					
<b>Suggestion</b>	Advised to be subjected to detailed archaeological on-site monitoring					

**OBSERVATIONS**

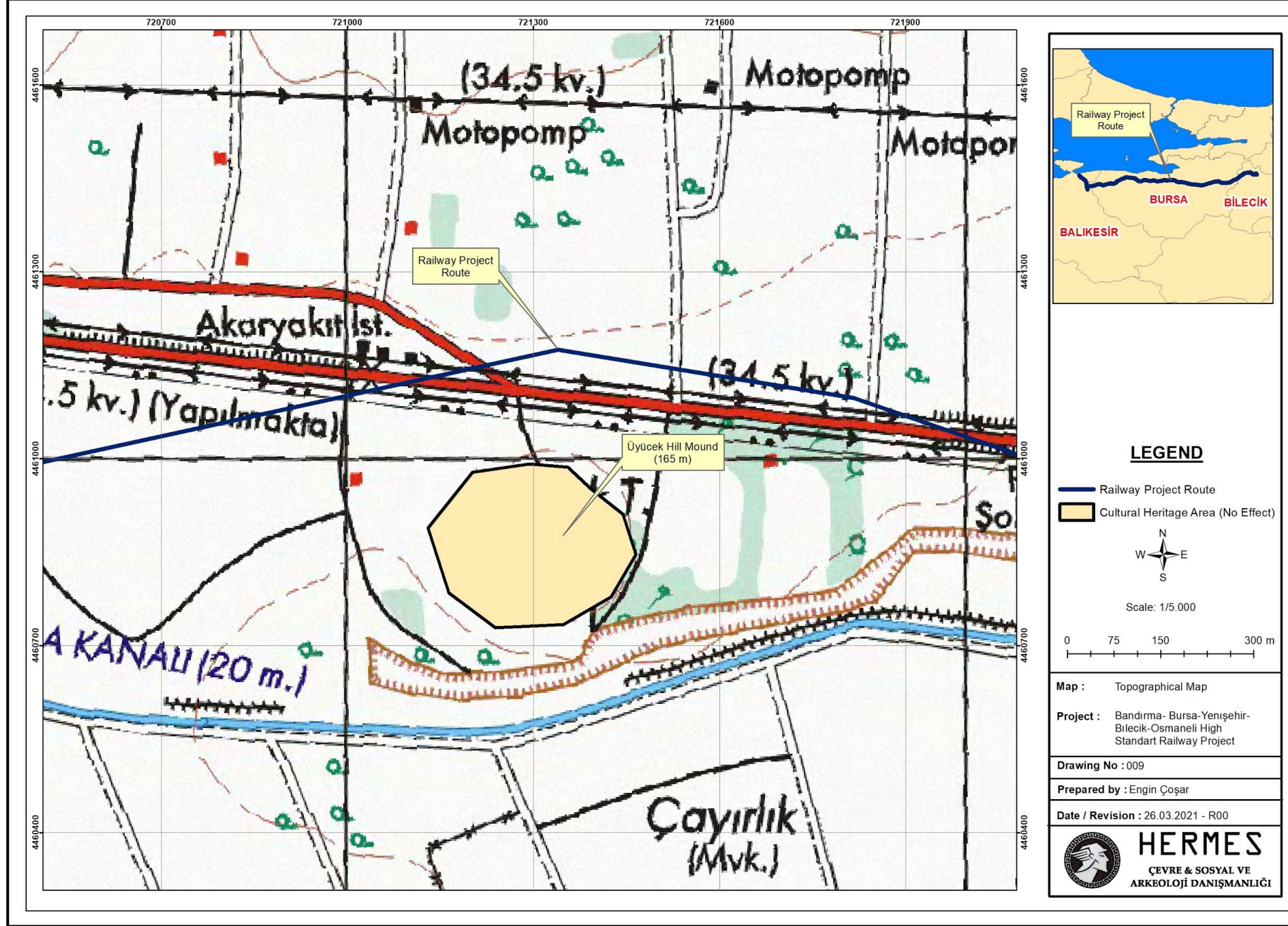
Being used for agricultural purposes as a result of its flat top portion the mound had yielded ceramics from the Early Bronze Age and Chalcolithic Period. The surface finds stand out with their dense amount and scattering.

Standing at a 165 m distance to the Project area, it is definite that it will not be affected at all by any phase of the Project. Still, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.





**FINDINGS**







**3SITE DESCRIPTION FORM**

**LOCATION**

**GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>15</b>	<b>River</b>	
<b>Name</b>	Çardak Mound	<b>Valley</b>	
<b>Province / District</b>	Bursa-Yenişehir	<b>Mountain</b>	
<b>Neighborhood</b>	Karacaali Köyü	<b>Lowland</b>	

**COORDİNATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	716016.43	6	716275.61	11	4460560.87	16	4460251.26
2	716121.38	7	716222.58	12	4460564.04	17	4460165.24
3	716212.84	8	716109.26	13	4460513.14	18	4460079.26
4	716268.75	9	715941.4	14	4460389.9	19	4460054.13
5	716287.82	10	715846.18	15	4460326.58	20	4460058.29

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>	X	X		E-W	
<b>Bronze Age</b>	X	X		<b>Measuring Range</b>	
<b>Iron Age</b>	X	X			
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>	X	X			

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
				X		
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	Distance to Route 290 m.					
<b>Suggestion</b>	They are strongly advised to be subjected to detailed archaeological on-site monitoring.					

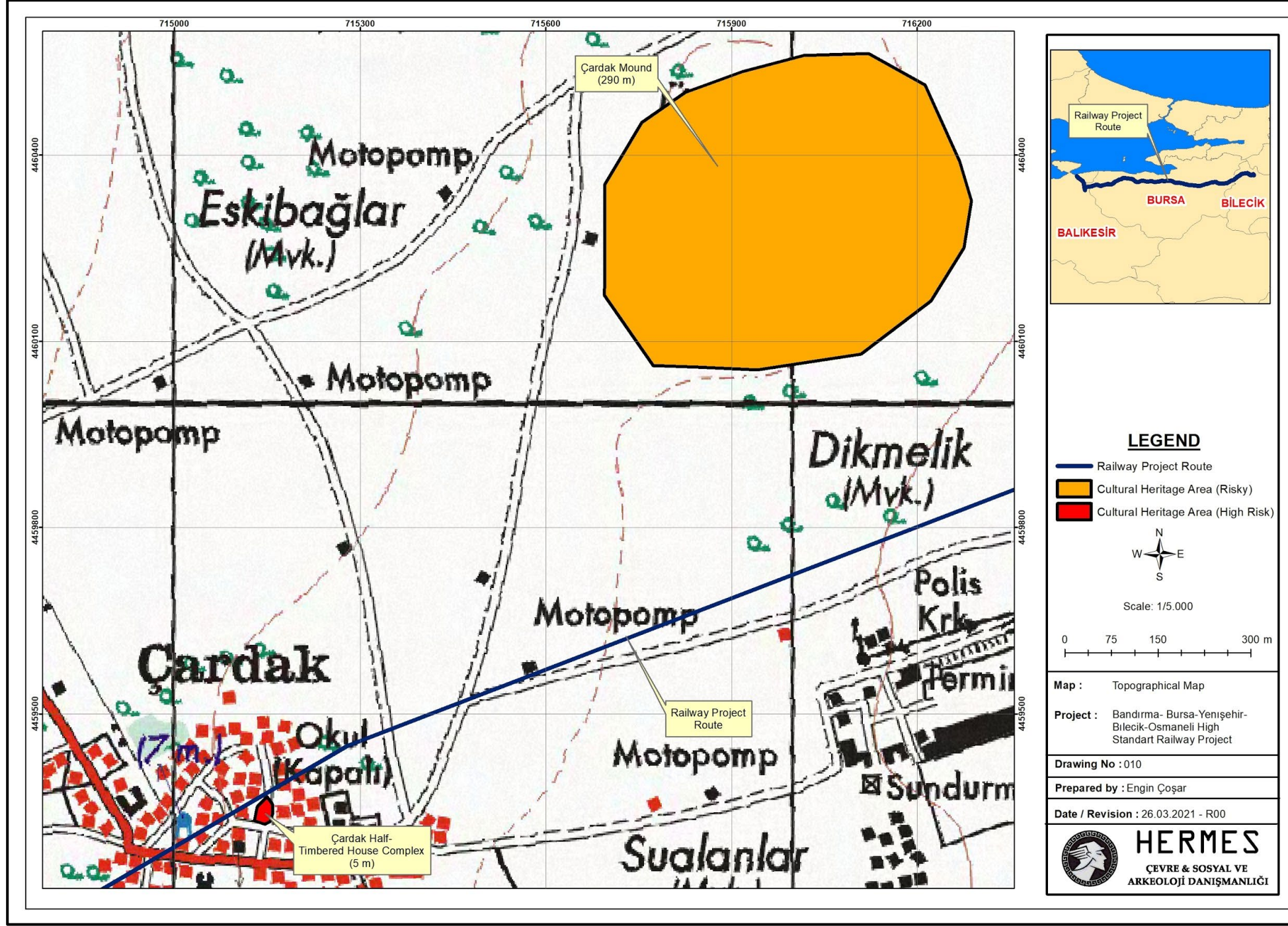
**OBSERVATIONS**

During the inspections around the Yenişehir Airport, a mound with a relative height (10-12 m) was noted falling towards the northwest of the airport and east of the Çardak Village. Despite reflecting the characteristics of a natural topographical trait, the inspections on and around the mound had revealed many artefacts pointing to a long settlement life from Chalcolithic, Early Bronze Age, Early Iron Age and Middle Ages. The mound with a diameter of 500 m lies at a distance of 290 m to the Project route.





**FINDINGS**







**SITE DESCRIPTION FORM**

**LOCATION**

**GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>16</b>	River	
<b>Name</b>	Çardak Logging House Complex	Valley	
<b>Province / District</b>	Bursa-Yenişehir	Mountain	
<b>Neighborhood</b>	Çardak Mahallesi	Lowland	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

X				Y			
1	715148.94	6	715128.66	11	4459366.67	16	4459327.57
2	715157.91	7	715133.34	12	4459354.46	17	4459350.1
3	715158.93	8		13	4459338.78	18	
4	715154.12	9		14	4459326.2	19	
5	715145.64	10		15	4459321.94	20	
ERA		FINDING TYPES		Dimension/ Direction			
		Ceramic	Small Findings	N-S			
Chalcolithic				E-W			
Bronze Age				Measuring Range			
Hellenistical Age							
Roman							
Byzantium/ Ottoman							

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
		X				
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	On the route					
<b>Suggestion</b>	It may be necessary to take precautions against vibration and shock.					

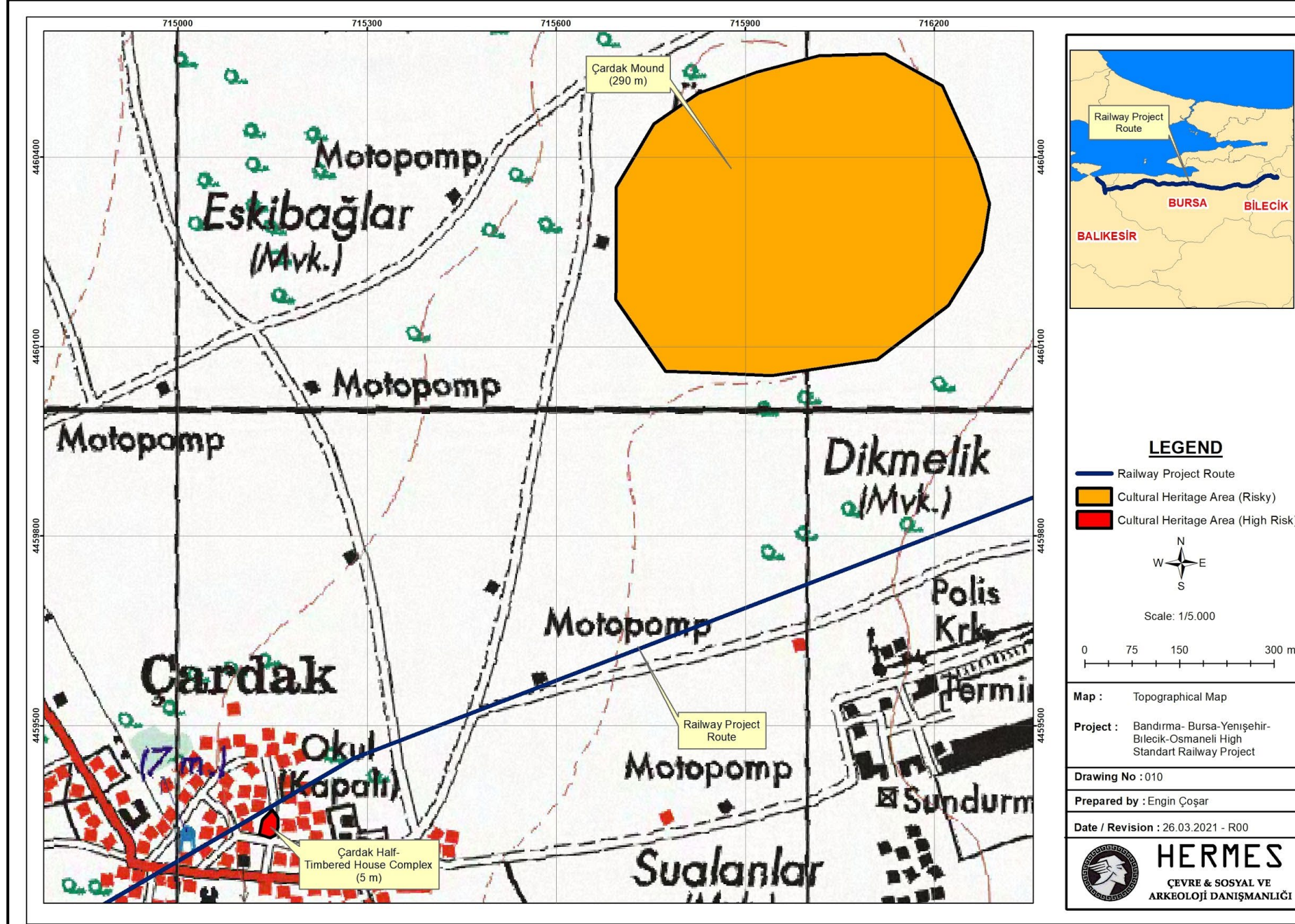
**OBSERVATIONS**

The inspections on the Project route had shown that a certain portion of it passes through the Çardak Quarter. At this portion, the Project-settlement connection should be handled with care. The quarter is known to house certain Late Ottoman-Early Republican logging houses with delicate bay windows. Those houses which are still inhabited will likely be affected by the vibrations that will occur as a result of the passings from possible tunnels or viaducts that will be built in the area





## FINDINGS





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	17	River	
<b>Name</b>	Koyunhisar Mound	Valley	
<b>Province / District</b>	Bursa	Mountain	
<b>Neighborhood</b>	Koyunhisar Köyü	Lowland	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

X				Y			
1	712192.89	6	711864.9	11	4458260.19	16	4458057.01
2	712225.58	7	711821.53	12	4458092.89	17	4458107.95
3	712091.6	8	711816.22	13	4457969.21	18	4458189.88
4	711974.62	9	711854.79	14	4457978.65	19	4458283.36
5	711902.32	10	711955.29	15	4457993.66	20	4458368.65

ERA		FINDING TYPES		Dimension/ Direction	
		Ceramic	Small Findings	N-S	
Chalcolithic				E-W	
Bronze Age	X	X		Measuring Range	
Hellenistical Age					
Roman					
Byzantium/ Ottoman	X	X			

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	Castle	City	Plain Settlement	Mound	Cemetery	
				X		
<b>Location</b>	Hilltop	Slope	Foothill	Lowland	Shore	
	Ravine	Waterfront	Farming Area	Mineral Resource		
<b>Distance to Route</b>	On the route.					
<b>Suggestion</b>	Route change or test pits should be carried out under the museum directorate.					

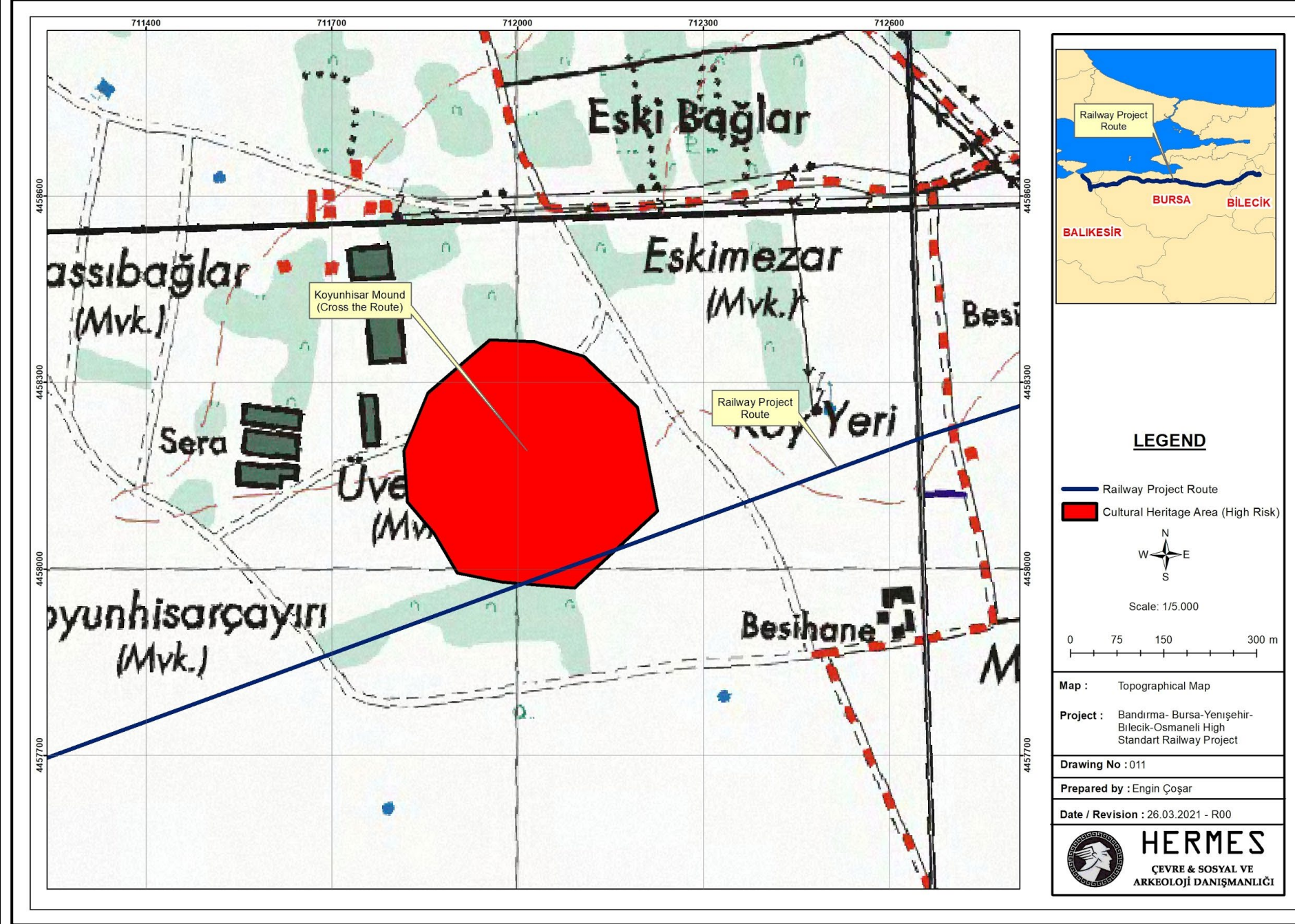
**OBSERVATIONS**

As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor or trespassing from the location with a viaduct. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Still, it is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.





**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>18</b>	<b>River</b>	<b>Sakarya River</b>
<b>Name</b>	Tulumbayanı Mevki Settlement	<b>Valley</b>	
<b>Province / District</b>	Bursa Yenişehir	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	706207.81	6	706319.55	11	4455984.32	16	4455930.64
2	706244.74	7	706310.25	12	4455987.07	17	4455897.99
3	706273.12	8	706298.03	13	4455983.32	18	4455868.88
4	706288.96	9	706243.76	14	4455974.00	19	4455842.7
5	706310.29	10	706188.02	15	4455952.15	20	4455832.87

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>	X	X			

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
			X		X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	On the route					
<b>Suggestion</b>	Route change or test pits should be carried out under the museum directorate.					

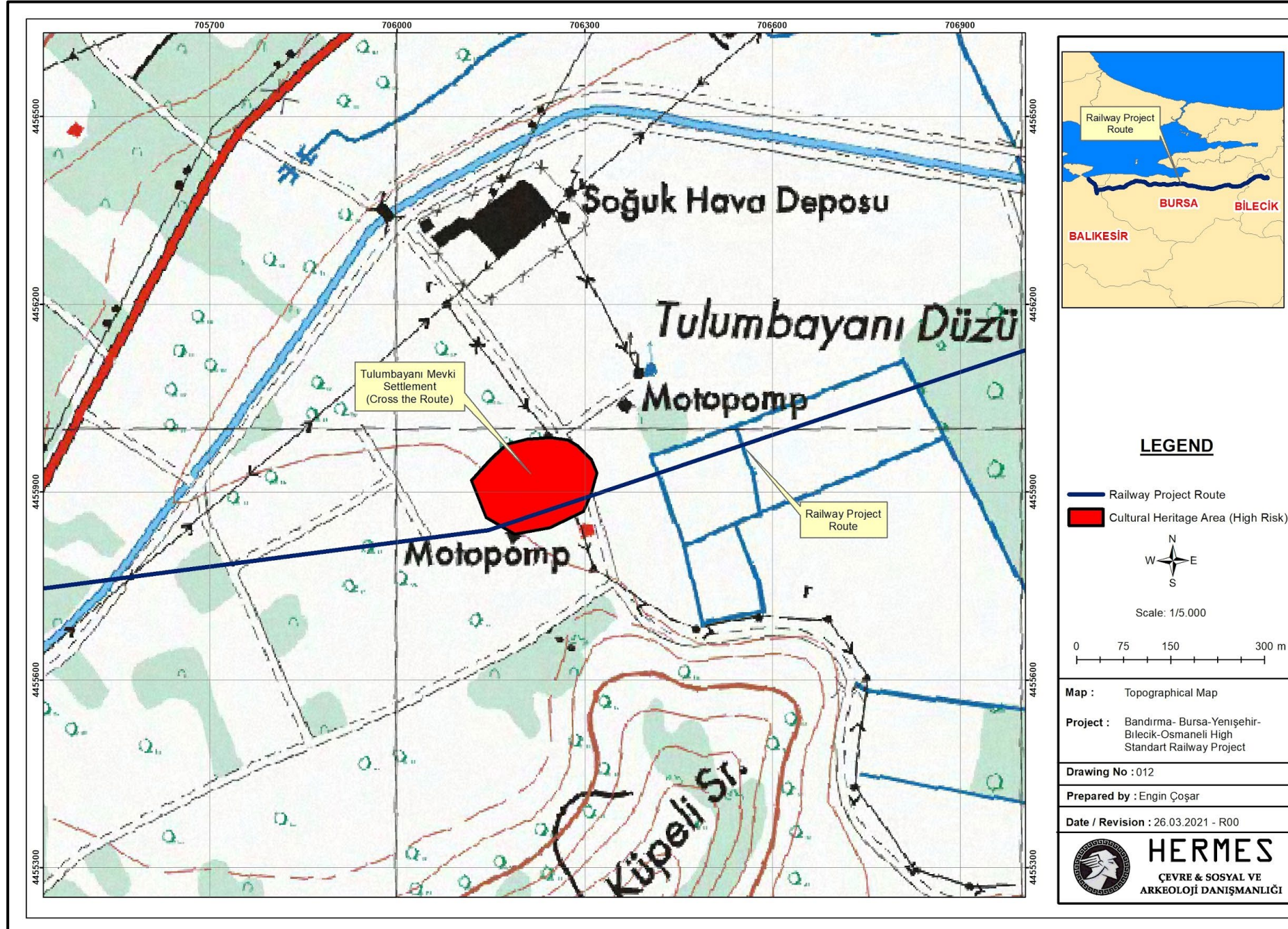
**OBSERVATIONS**

As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor or trespassing from the location with a viaduct. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Still, it is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.i.





## FINDINGS







**SITE DESCRIPTION FORM**

**LOCATION**

**GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>19</b>	<b>River</b>	
<b>Name</b>	Narlıdere Village Cemetery	<b>Valley</b>	
<b>Province / District</b>	Bursa	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDİNATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	695703.42	6	695712.34	11	4456556.55	16	4456328.3
2	695746.35	7	695703.73	12	4456534.54	17	4456352.93
3	695765.31	8	695691.6	13	4456478.16	18	4456400.02
4	695733.21	9	695690.04	14	4456396.57	19	4456460.18
5	695727.11	10	695696.71	15	4456305.35	20	4456532.29

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>	X				
<b>Byzantium/ Ottoman</b>					

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>		<b>Distance the route 50 m.</b>				
<b>Suggestion</b>						

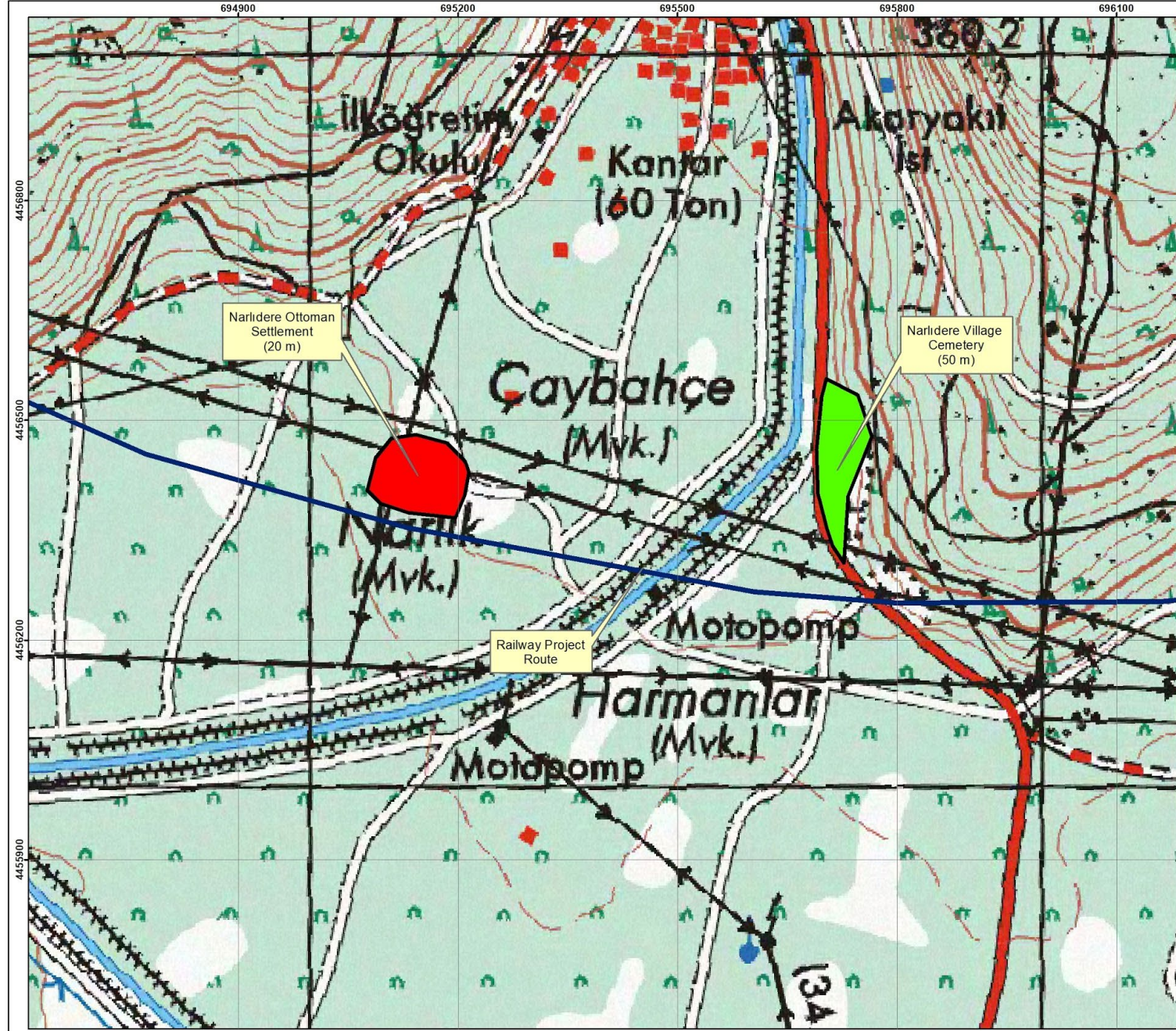
**OBSERVATIONS**

The area of mention is the cemetery of the Narlıdere Village. It lies at a 50 m distance to the Project axis and will not be affected negatively from any phase of the construction Works.





**FINDINGS**



**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Low)
- Cultural Heritage Area (High Risk)



Scale: 1/5.000

0 75 150 300 m

Map : Topographical Map

Project : Bandırma-Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standart Railway Project

Drawing No : 013

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>20</b>	River	
<b>Name</b>	Narlıdere Ottoman Settlement	Valley	
<b>Province / District</b>	Bursa	Mountain	
<b>Neighborhood</b>	Narlıdere	Lowland	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	695142.27	6	695196.31	11	4456480.86	16	4456366.9
2	695184.85	7	695132.4	12	4456469.16	17	4456374.16
3	695210.02	8	695093.86	13	4456443.57	18	4456386.66
4	695214.74	9	695075.99	14	4456429.46	19	4456404.47
5	695209.27	10	695081.1	15	4456398.17	20	4456424.04

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>	X	X			

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
			X			
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	Distance to route, 20 m.					
<b>Suggestion</b>	It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.					

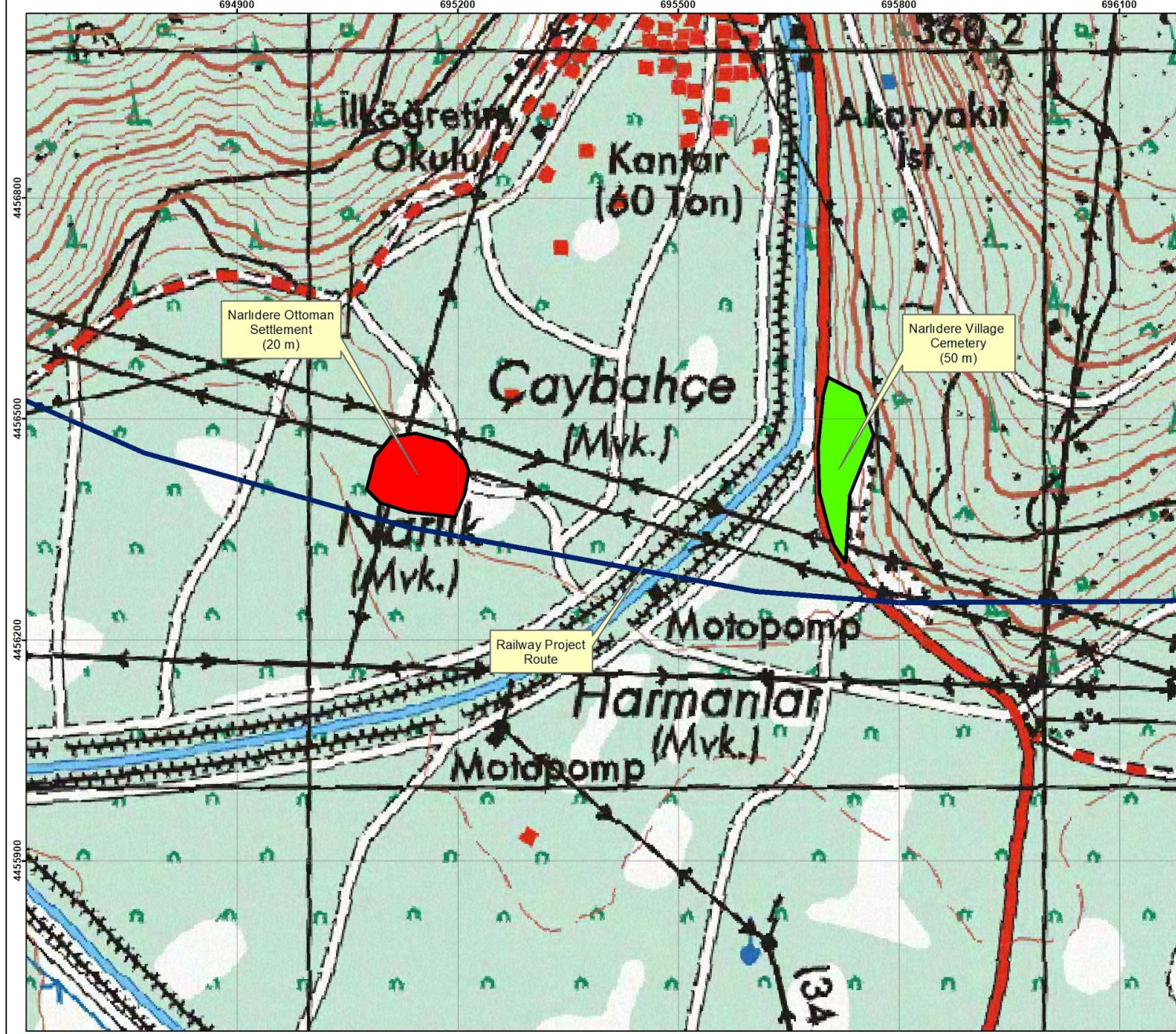
**OBSERVATIONS**

As the site lies directly on the construction area of the Project it is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring. It is also strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.





**FINDINGS**

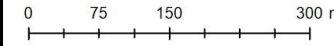


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Low)
- Cultural Heritage Area (High Risk)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standart Railway Project

Drawing No : 013

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00







**SITE DESCRIPTION FORM**

**LOCATION**

**GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>21</b>	<b>River</b>	
<b>Name</b>	Karahıdır Ottoman Settelement	<b>Valley</b>	
<b>Province / District</b>	Bursa Gürsu	<b>Mountain</b>	
<b>Neighborhood</b>	Karahıdır Köyü	<b>Lowland</b>	

**COORDİNATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	691027.6	6	691099.58	1	4457543.74	16	4457454.68
2	691060.56	7	691082.36	1	4457540.26	17	4457431.78
3	691081.02	8	691051.57	1	4457527.11	18	4457437.55
4	691107.74	9	691021.42	1	4457496.85	19	4457448.87
5	691110.57	1	690996.2	1	4457475.81	20	4457460.71
		0		5			

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>	X	X			

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
			X			
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	On the route.					
<b>Suggestion</b>	Test pits should be carried out under the museum directorate.					

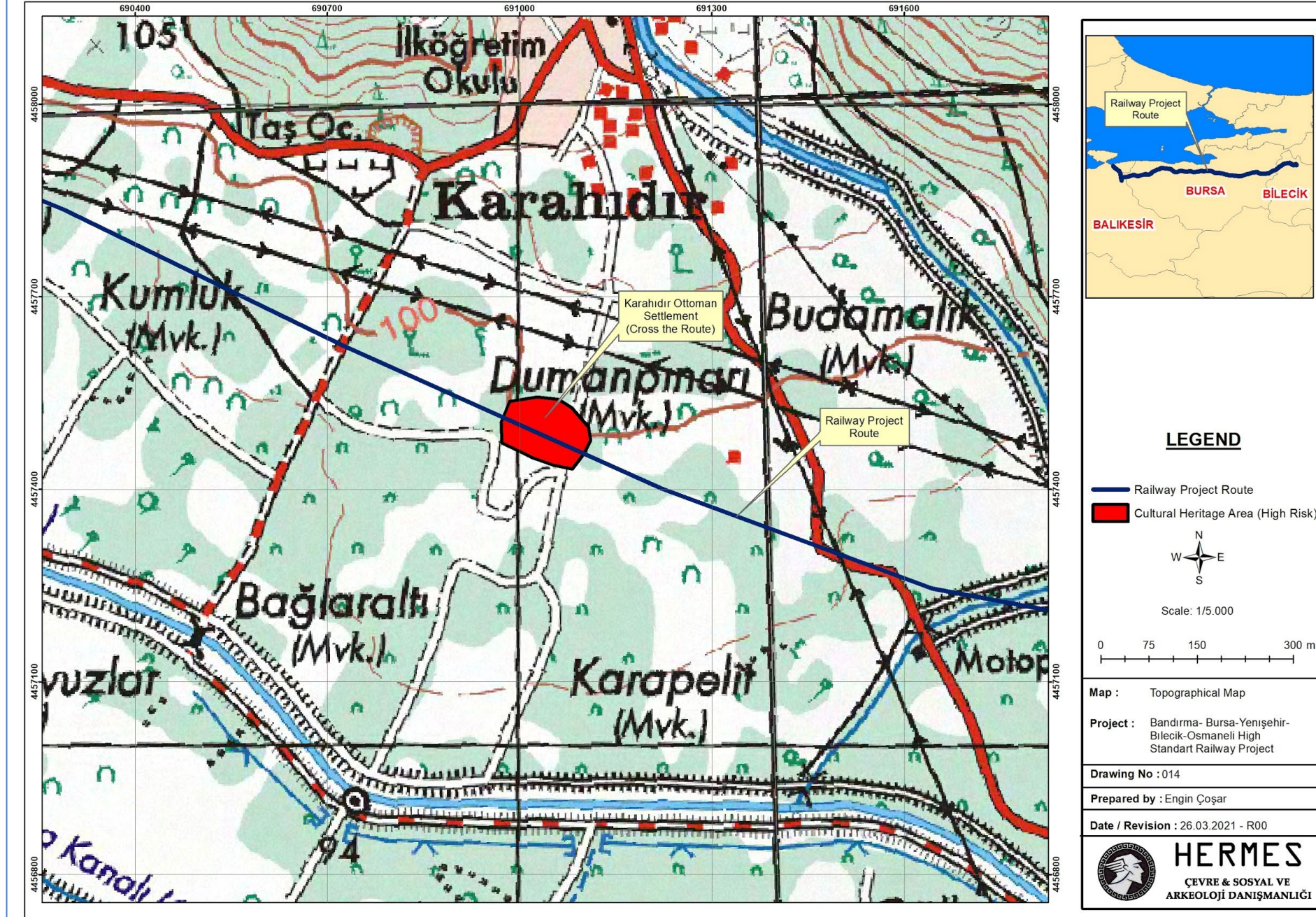
**OBSERVATIONS**

It is a plain settlement from the Byzantine-Ottoman era. The area is densely occupied on the surface by brick and tile fragments. Certain filling works concerning the construction phase of the Project were realized at the south of the area. The overall archaeological data obtained from the survey points to the existence of a single phased settlement.





## FINDINGS





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>22</b>	<b>River</b>	Nilüfer River
<b>Name</b>	Nilüfer Hatun Bridge	<b>Valley</b>	
<b>Province / District</b>	Bursa-Nilüfer	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	663254.14	6		11	4460242.56	16	
2	663262.61	7		12	4460129.15	17	
3	663235.32	8		13	4460124.46	18	
4	663229.33	9		14	4460236.77	19	
5		10		15		20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>	X				

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	<b>Bridge</b>
						X
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>		Distance to route, 50 m..				
<b>Suggestion</b>		It is strongly advised that any construction phase on or around the structure should be subjected to detailed archaeological on-site monitoring.				

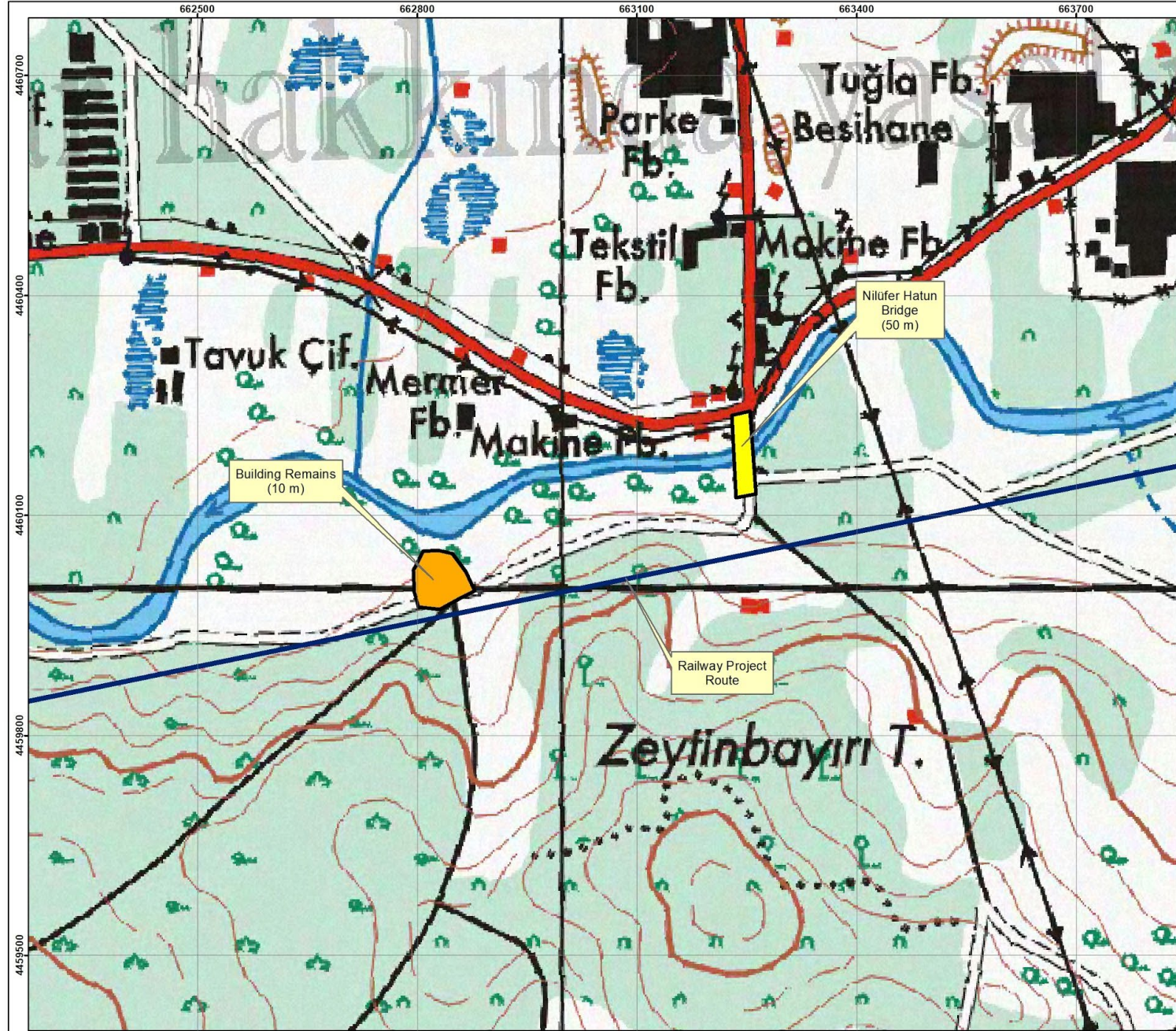
**OBSERVATIONS**

The Project route continuing parallel to the Nilüfer Stream passes from 50 m south of a Late Byzantine-Early Ottoman bridge known as the Nilüfer Hatun Bridge. The historic bridge is 82 m in length, 5,45 m in width and bears 7 arches. It shows traces of a recent restoration. Showing a typical Ottoman-era structural character, the bridge is solely open to pedestrian access in the present day. Utmost care should be shown to it especially during the construction phase as explosions or use of heavy machinery around its close vicinities would harm the integrity of its architectural state.





## FINDINGS

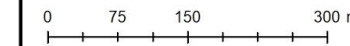


### LEGEND

- Railway Project Route
- Cultural Heritage Area (Risky)
- Cultural Heritage Area (Medium)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standart Railway Project

Drawing No : 015

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>23</b>	<b>River</b>	Nilüfer River
<b>Name</b>	Building Remains	<b>Valley</b>	
<b>Province / District</b>	Bursa-Nilüfer	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	662847.82	6	662801.35	11	4460048.22	16	4459975.18
2	662866.06	7	662795.57	12	4460023.09	17	4459995.17
3	662878.68	8	662794.79	13	4459997.58	18	4460025.3
4	662856.27	9	662808.18	14	4459985.63	19	4460051.18
5	662830.54	10	662828.43	15	4459971.79	20	4460052.51

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>	X				

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
			X			
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	Disance to route, 5 m.					
<b>Suggestion</b>	Before the construction activities test pits should be carried out under the museum directorate.					

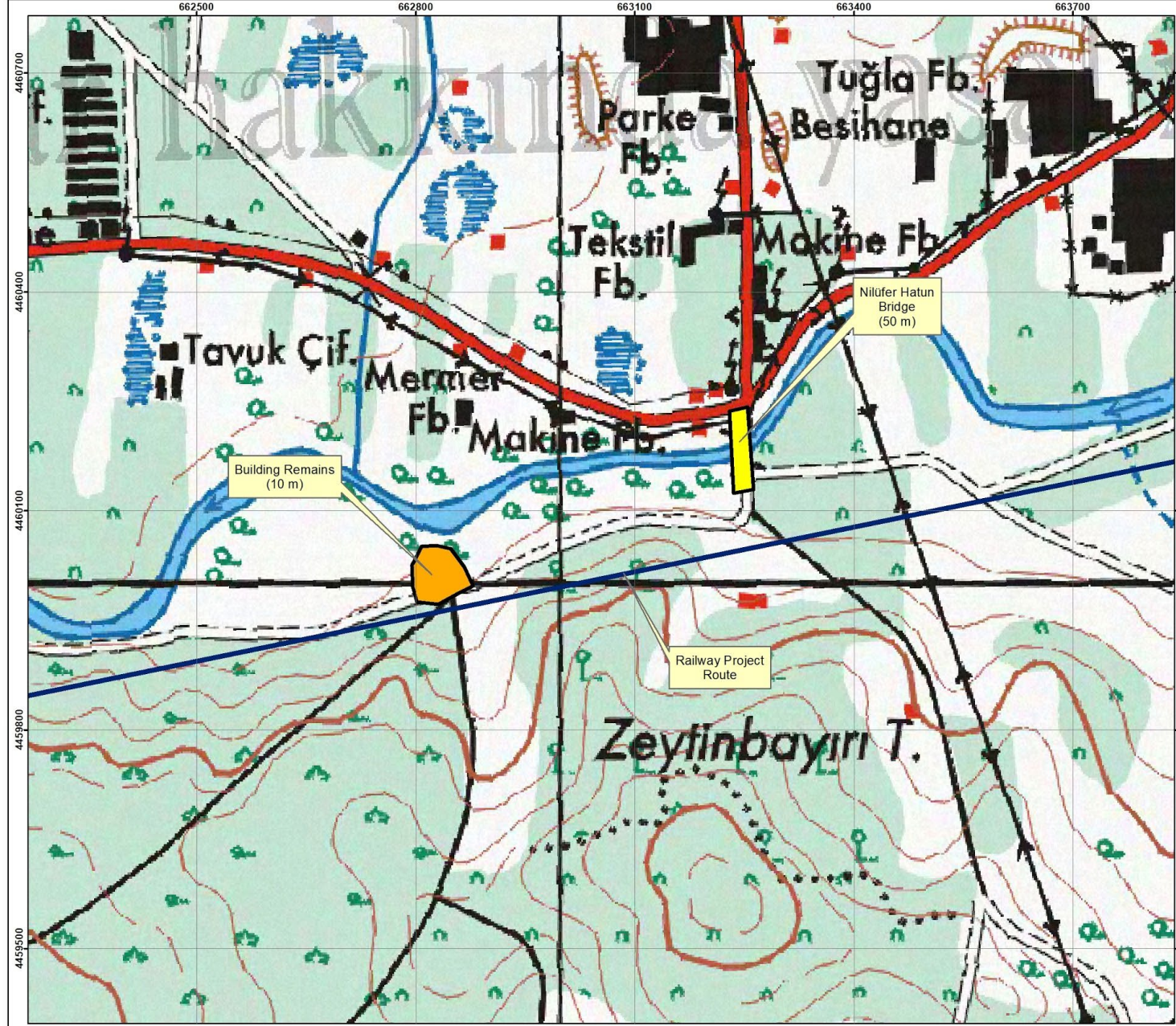
**OBSERVATIONS**

Some architectural remains high probably from a single building possibly from the Late Byzantine and Early Ottoman eras were located next to the Nilüfer Stream. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.

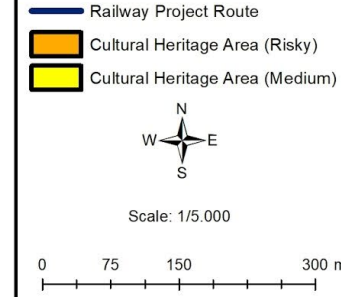




**FINDINGS**



**LEGEND**



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standart Railway Project

Drawing No : 015

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>24</b>	River	
<b>Name</b>	Building Remains	Valley	
<b>Province / District</b>	Bursa	Mountain	
<b>Neighborhood</b>		Lowland	

**COORDİNATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	661528.1	6		11	4459666.77	16	
2	661549.9	7		12	4459669.44	17	
3	661552.45	8		13	4459653.44	18	
4	661530.55	9		14	4459649.38	19	
5		10		15		20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>	X				

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	Distance to route, 28 m.					
<b>Suggestion</b>	They are strongly advised to be subjected to detailed archaeological on-site monitoring.					

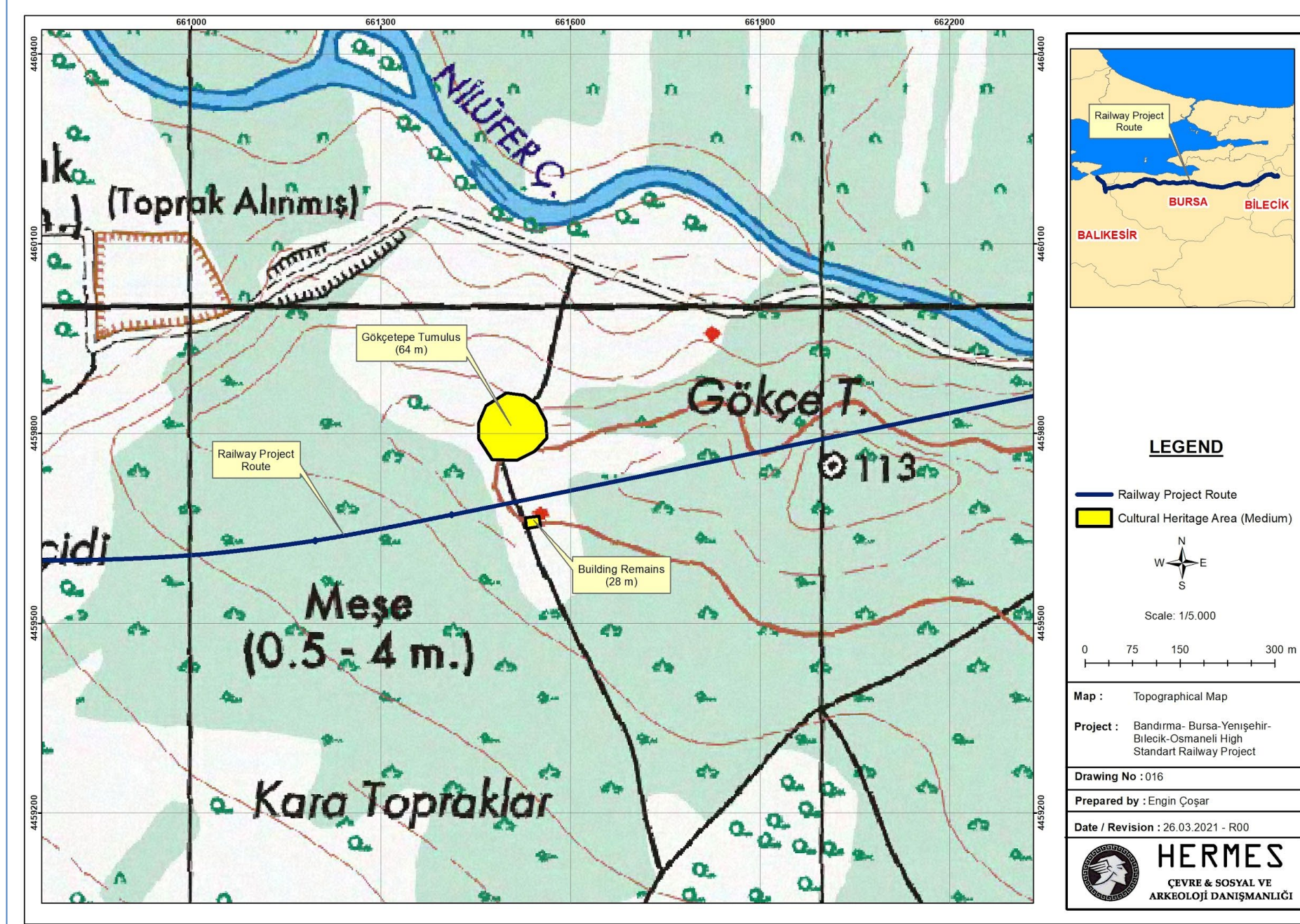
**OBSERVATIONS**

Some remains belonging to a building were located in an area falling towards the northwest of the city hospital. The building is preserved on foundation levels but showed an architectural layout with typical characteristics of the Early Republican era.





**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>25</b>	<b>River</b>	
<b>Name</b>	Gökçetepe Tumulus	<b>Valley</b>	
<b>Province / District</b>	Bursa-Nilüfer	<b>Mountain</b>	
<b>Neighborhood</b>	Doğan Köyü	<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	661498.21	6	661543.51	11	4459864.25	16	4459772.12
2	661526.45	7	661515.07	12	4459860.39	17	4459757.45
3	661546.67	8	661475.63	13	4459846.42	18	4459759.05
4	661561.03	9	661454.64	14	4459820.07	19	4459791.41
5	661562.88	10	661454.83	15	4459793.21	20	4459817.04

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>	X	X			
<b>Byzantium/ Ottoman</b>					

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	X					
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	Distance to route, 64 m.					
<b>Suggestion</b>	It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring					

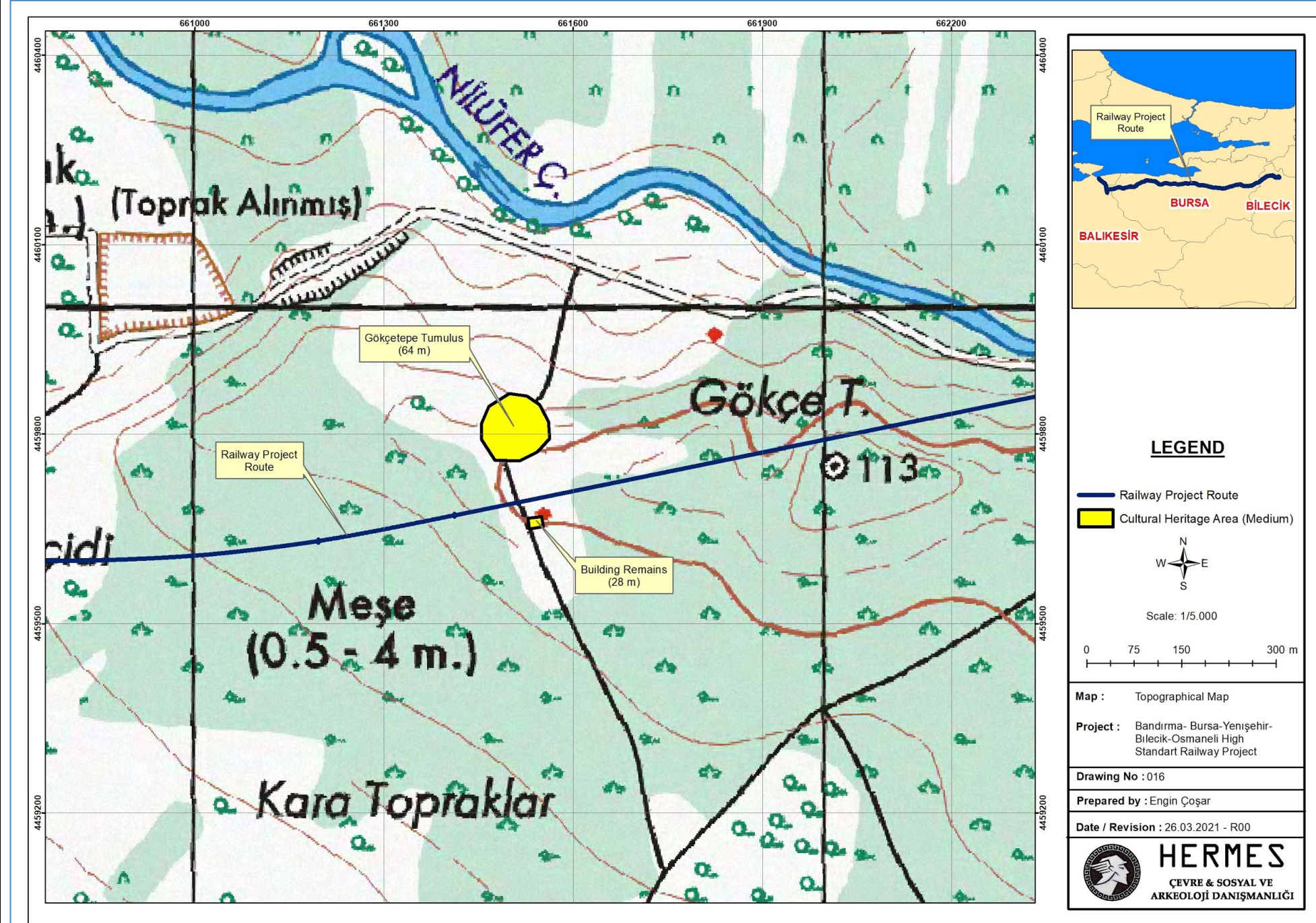
**OBSERVATIONS**

As being located at a point where a tunnel exit is planned to be built special care must be shown to the area especially during the opening of access roads for the construction works.





**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>26</b>	<b>River</b>	
<b>Name</b>	Tepeköy Geçidi Settlement	<b>Valley</b>	
<b>Province / District</b>	Bursa	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	660504.37	6	660459.38	11	4459708.23	16	4459659.15
2	660527.2	7	660471.6	12	4459700.22	17	4459689.25
3	660534.1	8		13	4459678.23	18	
4	660507.8	9		14	4459645.55	19	
5	660481.3	10		15	4459645.22	20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>	X				

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
		X				
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	Distance to route, 25 m.					
<b>Suggestion</b>	It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring . Special care must be shown to the area especially during the opening of access roads for the construction works.					

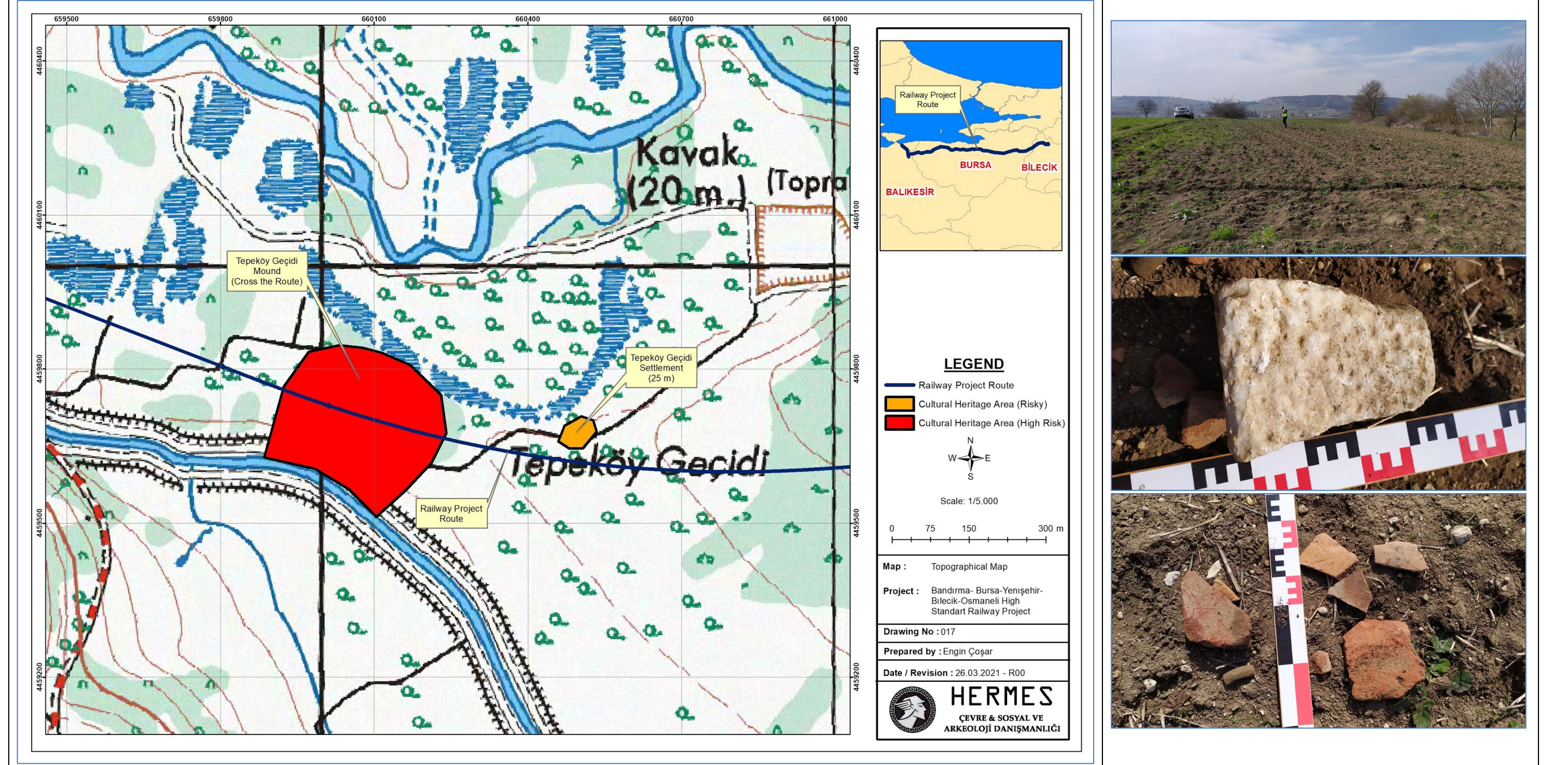
**OBSERVATIONS**

It is a single phased flat slope settlement that could be dated to the Late Byzantine-Ottoman era. Dense numbers of tiles, brick fragments, few ceramics and a single chiselled marble fragment were located on the surface during the surveys.





**FINDINGS**







## SITE DESCRIPTION FORM

### LOCATION

### GEOGRAPHICAL LOCATION

Form No	27	River	
Name	Tepeköy Geçidi Mound	Valley	
Province / District	Bursa	Mountain	
Neighborhood		Lowland	

### COORDINATES (ED50 6 Derece UTM Zone 35)

X				Y			
1	660114.78	6	660161.77	11	4459831.75	16	4459563.55
2	660170.46	7	660104.51	12	4459807.44	17	4459512.1
3	660230.86	8	660051.16	13	4459749.52	18	4459565.49
4	660241.15	9	659984.66	14	4459674.97	19	4459605.51
5	660212.47	10	659885.39	15	4459617.78	20	4459627.7

ERA		FINDING TYPES		Dimension/ Direction	Measuring Range
		Ceramic	Small Findings	N-S	
Chalcolithic	X	X	X	E-W	
Bronze Age					
Hellenistical Age	X	X			
Roman	X	X	X		
Byzantium/ Ottoman					

### DESCRIPTIONS

Topographical Features						
Architectural Features						
Type	Castle	City	Plain Settlement	Mound	Cemetery	
				X		
Location	Hilltop	Slope	Foothill	Lowland	Shore	
	Ravine	Waterfront	Farming Area	Mineral Resource		
Distance to Route	On the route.					
Suggestion	Route Change.					

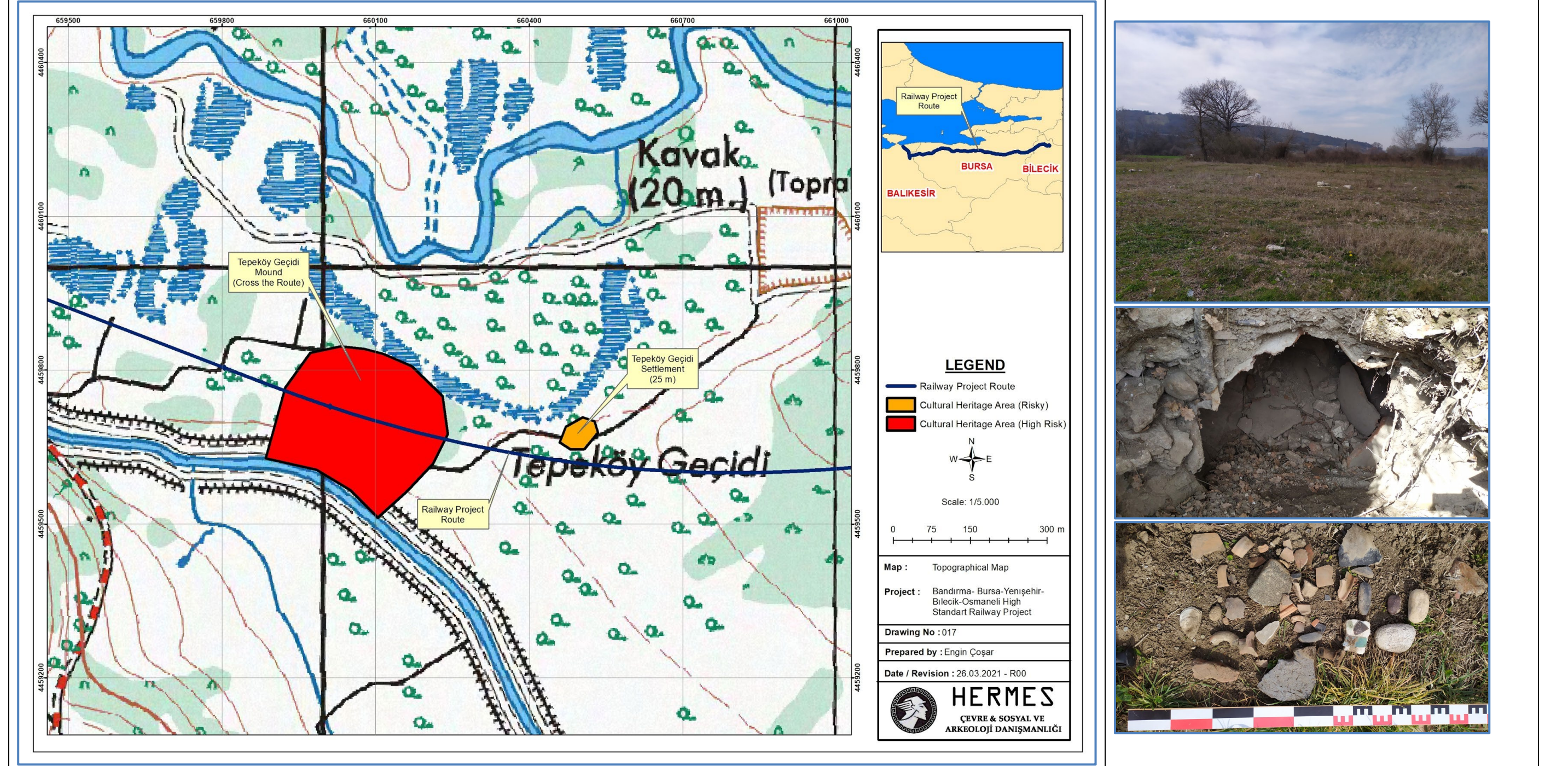
### OBSERVATIONS

As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor or trespassing from the location with a viaduct. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Still, it is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.





**FINDINGS**









**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>28</b>	<b>River</b>	<b>Sakarya River</b>
<b>Name</b>	Küçükyenice Necropolis	<b>Valley</b>	
<b>Province / District</b>	Bursa Mudanya	<b>Mountain</b>	
<b>Neighborhood</b>	Balabancık Mahallesi	<b>Lowland</b>	

**COORDİNATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	656434.14	6	656323.12	11	4460625.36	16	4460527.45
2	656463.39	7	656294.3	12	4460603.92	17	4460560.89
3	656458.97	8	656290.85	13	4460580.87	18	4460607.26
4	656424.32	9	656322.02	14	4460556.01	19	4460629.38
5	656368.62	10	656381.68	15	4460520.2	20	4460662.53

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>		
		Ceramic	Small Findings	N-S		
<b>Chalcolithic</b>				E-W	<b>Measuring Range</b>	
<b>Bronze Age</b>						
<b>Hellenistical Age</b>						
<b>Roman</b>	X					
<b>Byzantium/ Ottoman</b>						

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	88 m.					
<b>Suggestion</b>	Special care must be shown to the area especially during the opening of access roads for the construction works.					

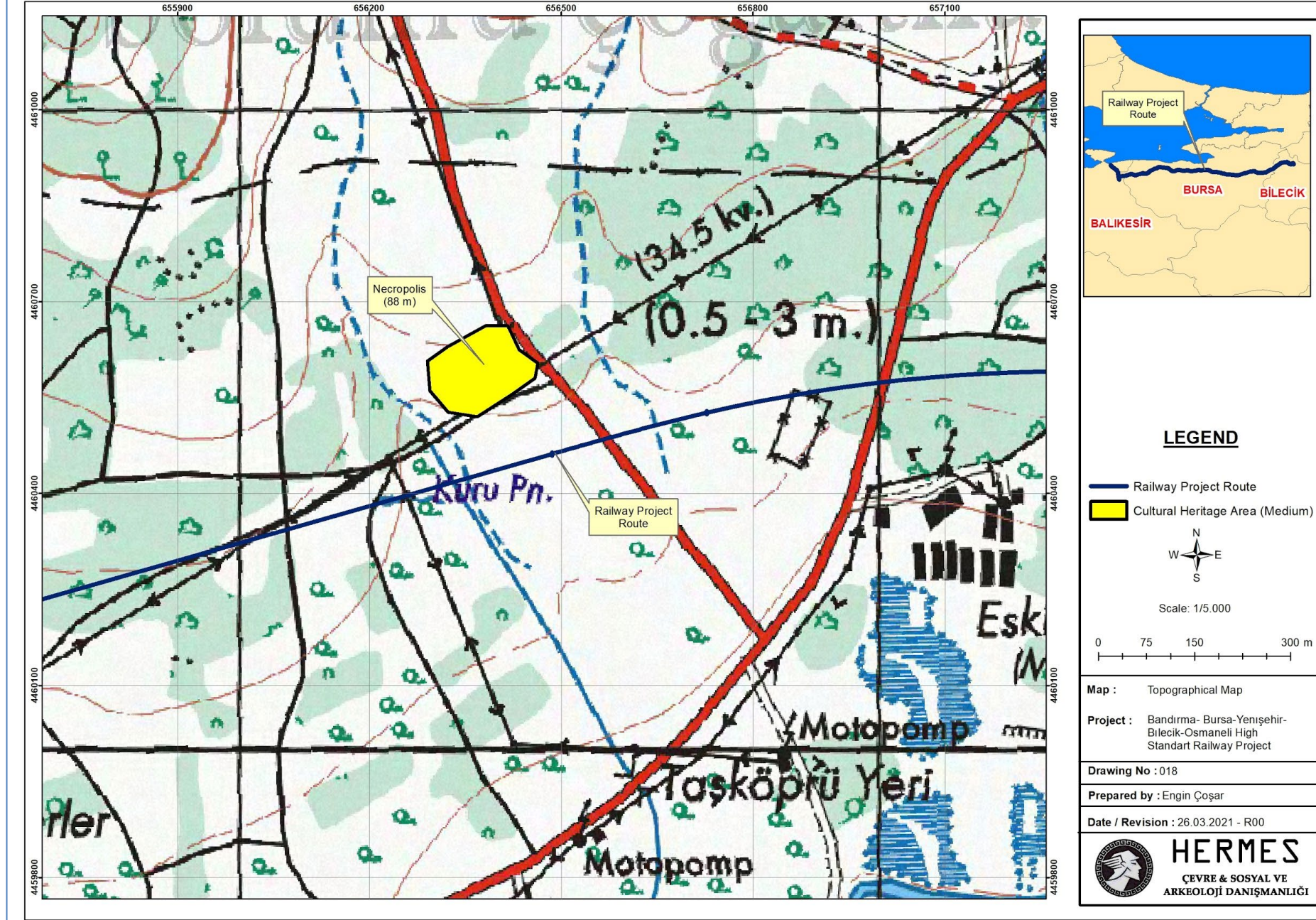
**OBSERVATIONS**

During the surveying of the area around the south of the Küçükyenice Village, a necropolis from the Roman period was located. A vast amount of tile fragments and architectural elements were scattered on the surface. The area in general is like a flat field and lies at a distance of 88 m from the Project route.





## FINDINGS





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>29</b>	<b>River</b>	
<b>Name</b>	Orhaniye Necropolis	<b>Valley</b>	
<b>Province / District</b>	Bursa Mudanya	<b>Mountain</b>	
<b>Neighborhood</b>	Orhaniye Köyü	<b>Lowland</b>	

**COORDİNATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	649505.32	6	649559.59	11	4460661.17	16	4460540.24
2	649550.35	7	649516.3	12	4460650.00	17	4460521.41
3	649591.23	8	649478.69	13	4460632.51	18	4460512.76
4	649596.59	9	649431.47	14	4460591.31	19	4460530.56
5	649587.14	10	649428.66	15	4460560.18	20	4460615.25

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>	X	X			
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>					

**DESCRIPTIONS**

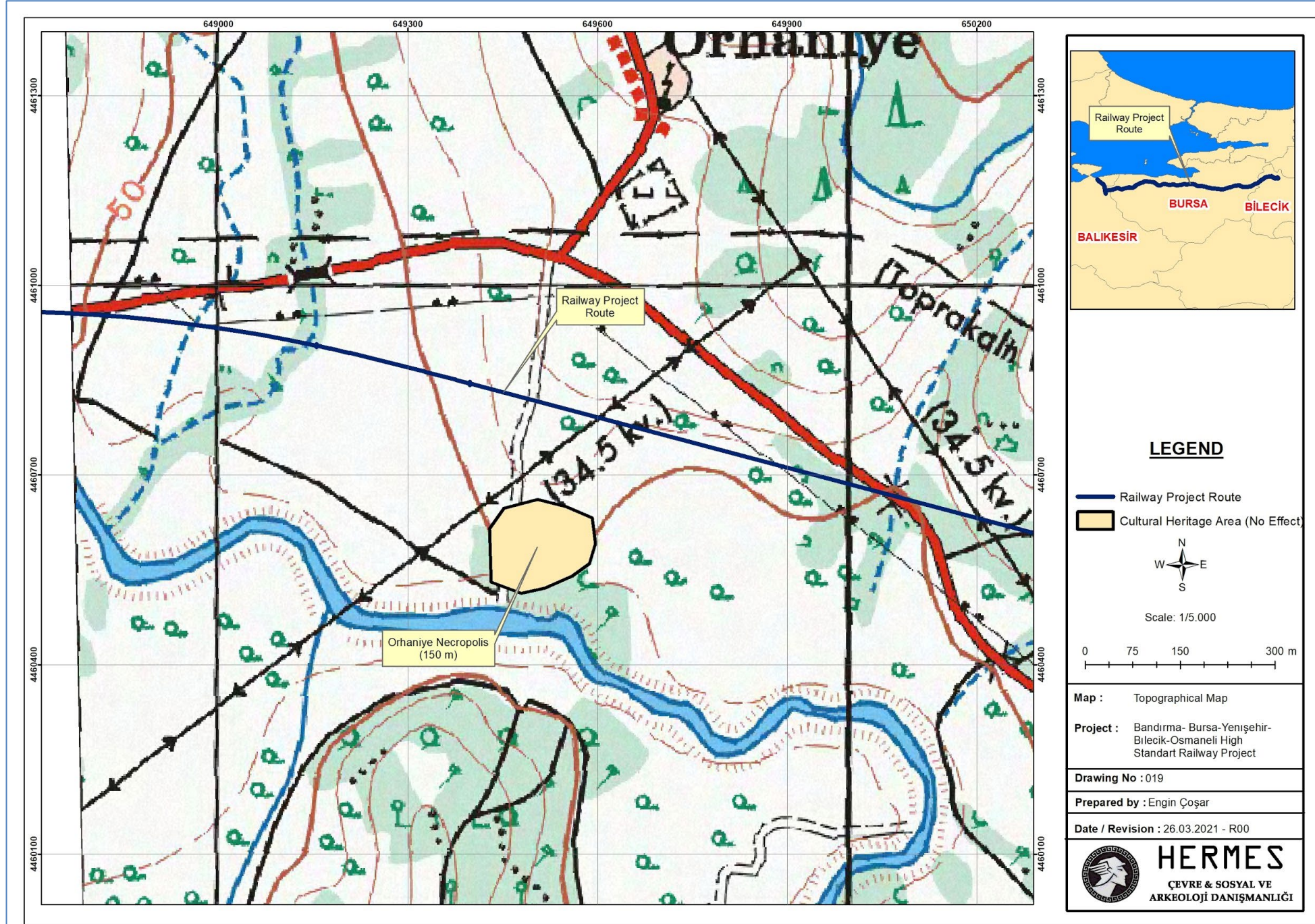
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	X					
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	150 m.					
<b>Suggestion</b>	Special care must be shown to the area especially during the opening of access roads for the construction works					

**OBSERVATIONS**

A necropolis possibly from the Hellenistic and Roman periods was located during the surveying around the south of the Orhaniye Köyü. The necropolis is situated next to a river about a 150 m distance to the Project route. A vast amount of tile fragments and architectural elements were scattered on the surface. Thought to be used by means of carving of the rock for the building of graves the whole hill was repeatedly harassed by many looting holes.



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>30</b>	<b>River</b>	
<b>Name</b>	Badırğa Village Alevi Cemetery	<b>Valley</b>	
<b>Province / District</b>	Bursa	<b>Mountain</b>	
<b>Neighborhood</b>	Badırğa Village	<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	643865.93	6		11	4459004.95	16	
2	643971.98	7		12	4459018.72	17	
3	643974.13	8		13	4458908.79	18	
4	643921.99	9		14	4458916.00	19	
5	643860.48	10		15	4458922.99	20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>		
		Ceramic	Small Findings	N-S		
<b>Chalcolithic</b>				E-W	<b>Measuring Range</b>	
<b>Bronze Age</b>						
<b>Hellenistical Age</b>						
<b>Roman</b>	X					
<b>Byzantium/ Ottoman</b>						

**DESCRIPTIONS**

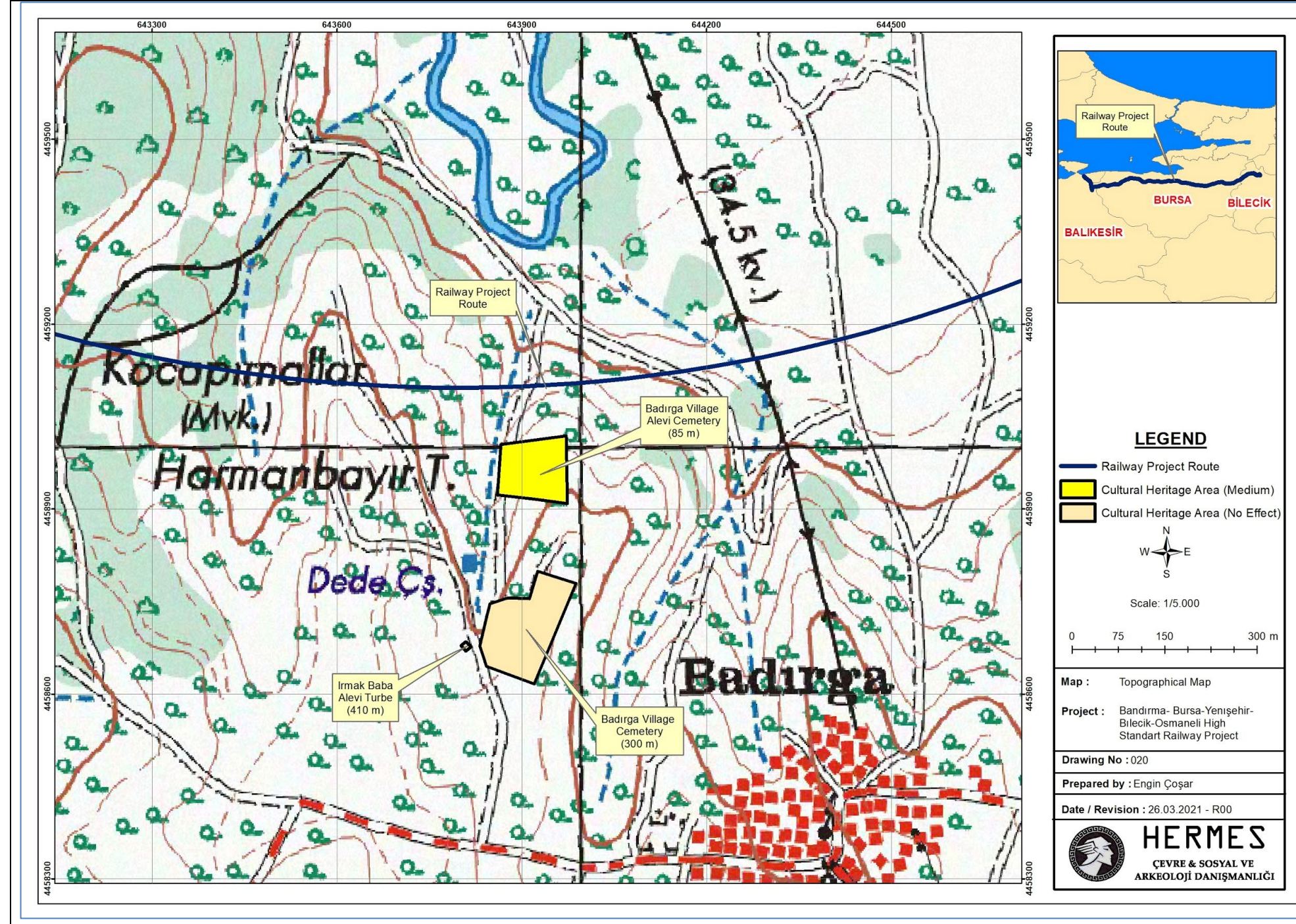
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	X					
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	85 m.					
<b>Suggestion</b>	Special care must be shown to the area especially during the opening of access roads for the construction works. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.					

**OBSERVATIONS**

The Project route while passing from the north of the Badırğa Village will pass from nearby an Alevi cemetery belonging to the locals of the Badırğa Village. The cemetery is situated on a hill lying 85 m away from the Project route.



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>31</b>	<b>River</b>	
<b>Name</b>	Badırğa Village Cemetery	<b>Valley</b>	
<b>Province / District</b>	Bursa	<b>Mountain</b>	
<b>Neighborhood</b>	Badırğa Village	<b>Lowland</b>	

**COORDİNATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	643843.01	6	643987.84	11	4458726.81	16	4458779.33
2	643848.54	7	643920.04	12	4458746.71	17	4458616.23
3	643877.46	8	643842.86	13	4458755.94	18	4458644.62
4	643912.12	9	643831.93	14	4458754.85	19	4458678.12
5	643925.75	10		15	4458799.1	20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>	X				
<b>Byzantium/ Ottoman</b>					

**DESCRIPTIONS**

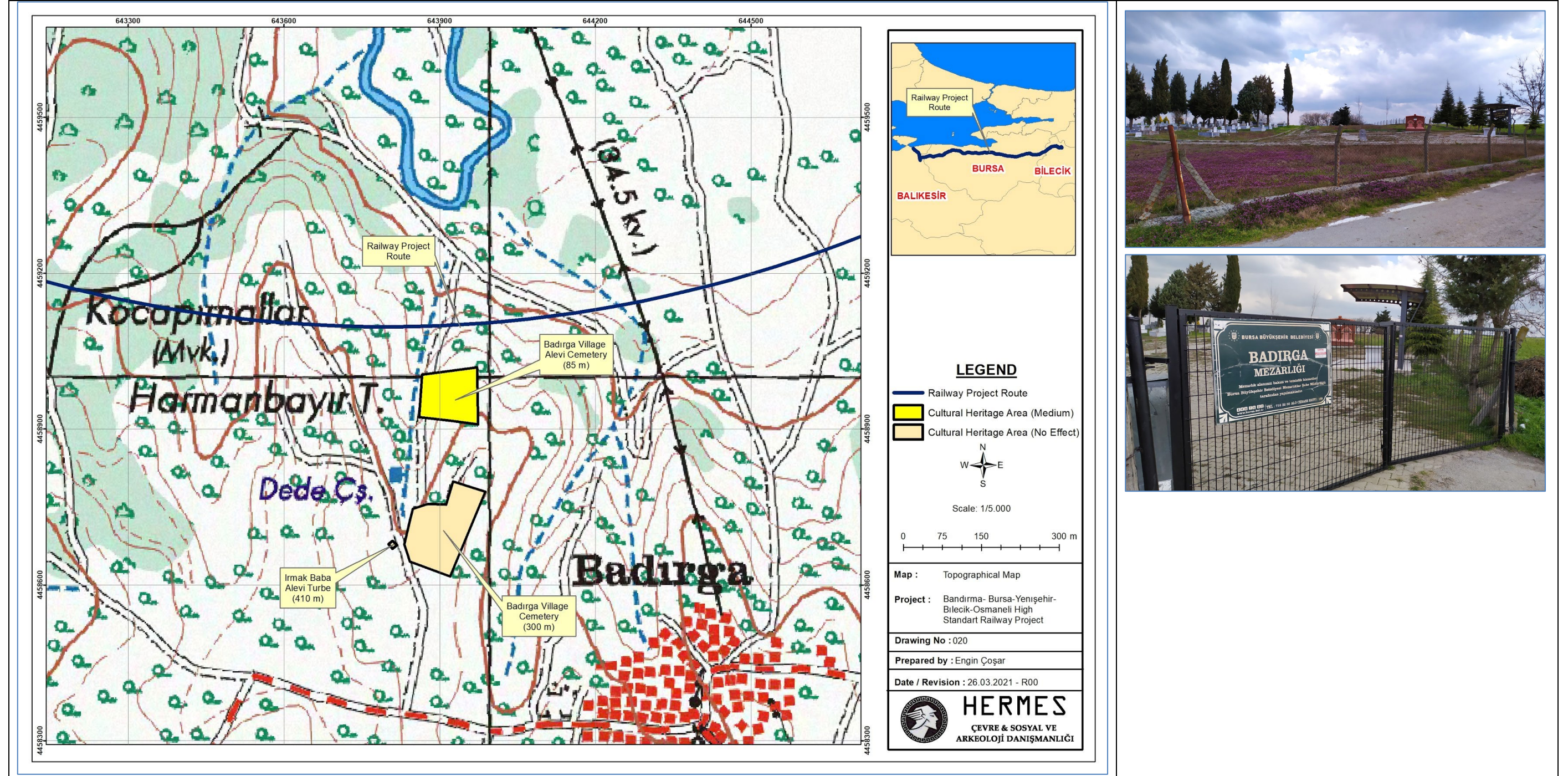
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	300 m.					
<b>Suggestion</b>	It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring					

**OBSERVATIONS**

Special care must be shown to the area especially during the opening of access roads for the construction works.



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>32</b>	<b>River</b>	
<b>Name</b>	Irmak Baba Alevi Türbe	<b>Valley</b>	
<b>Province / District</b>	Bursa	<b>Mountain</b>	
<b>Neighborhood</b>	Badırğa Village	<b>Lowland</b>	

**COORDİNATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	643809.13	6		11	4458685.1	16	
2	643817.8	7		12	4458676.5	17	
3	643809.1	8		13	4458669.87	18	
4	643801.36	9		14	4458678.68	19	
5		10		15		20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>					

**DESCRIPTIONS**

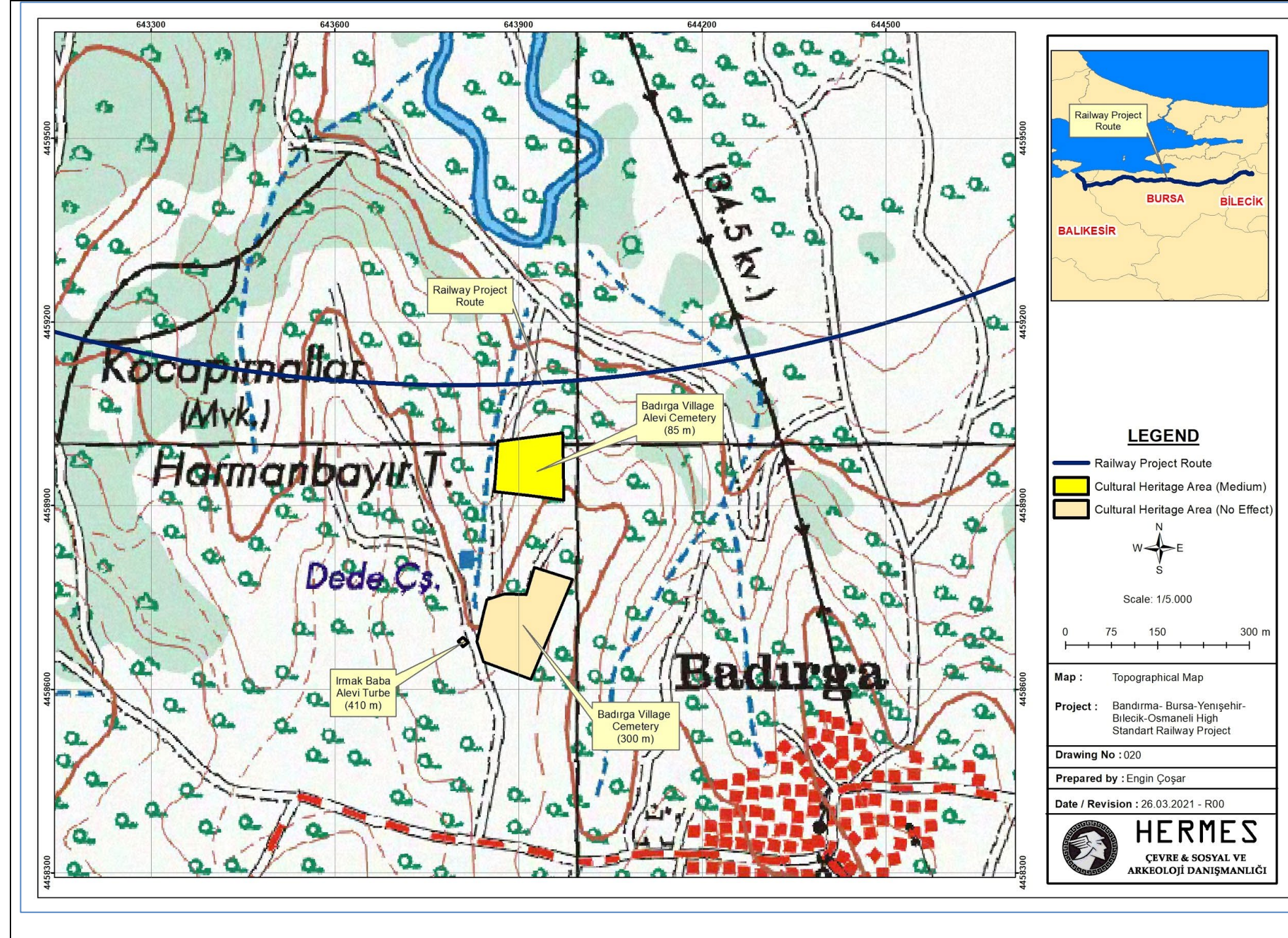
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	410 m.					
<b>Suggestion</b>	It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring					

**OBSERVATIONS**

Despite lying distant to the Project area by being an asset of Intangible Cultural character it must be protected from the possible negative effects of vehicles passing from nearby during the construction phase. If its close vicinity was chosen for vehicle passages this route is strongly advised to be changed to a further locality. Special care must be shown to the area especially during the opening of access roads for the construction works.



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>33</b>	<b>River</b>	
<b>Name</b>	İnkaya Cave	<b>Valley</b>	
<b>Province / District</b>	Bursa	<b>Mountain</b>	
<b>Neighborhood</b>	İnkaya Köyü	<b>Lowland</b>	

**COORDİNATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	632457.51	6	632399.1	11	4462869.47	16	4462649.74
2	632529.72	7	632352.18	12	4462766.71	17	4462750.02
3	632562.44	8		13	4462668.41	18	
4	632573.91	9		14	4462616.97	19	
5	632526.77	10		15	4462574.86	20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>					

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
		X				
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	930 m.					
<b>Suggestion</b>	They lie at a 930 m distance to the Project route but were included in the report for preventing their future use as building and operating of breaking-screening plants..					

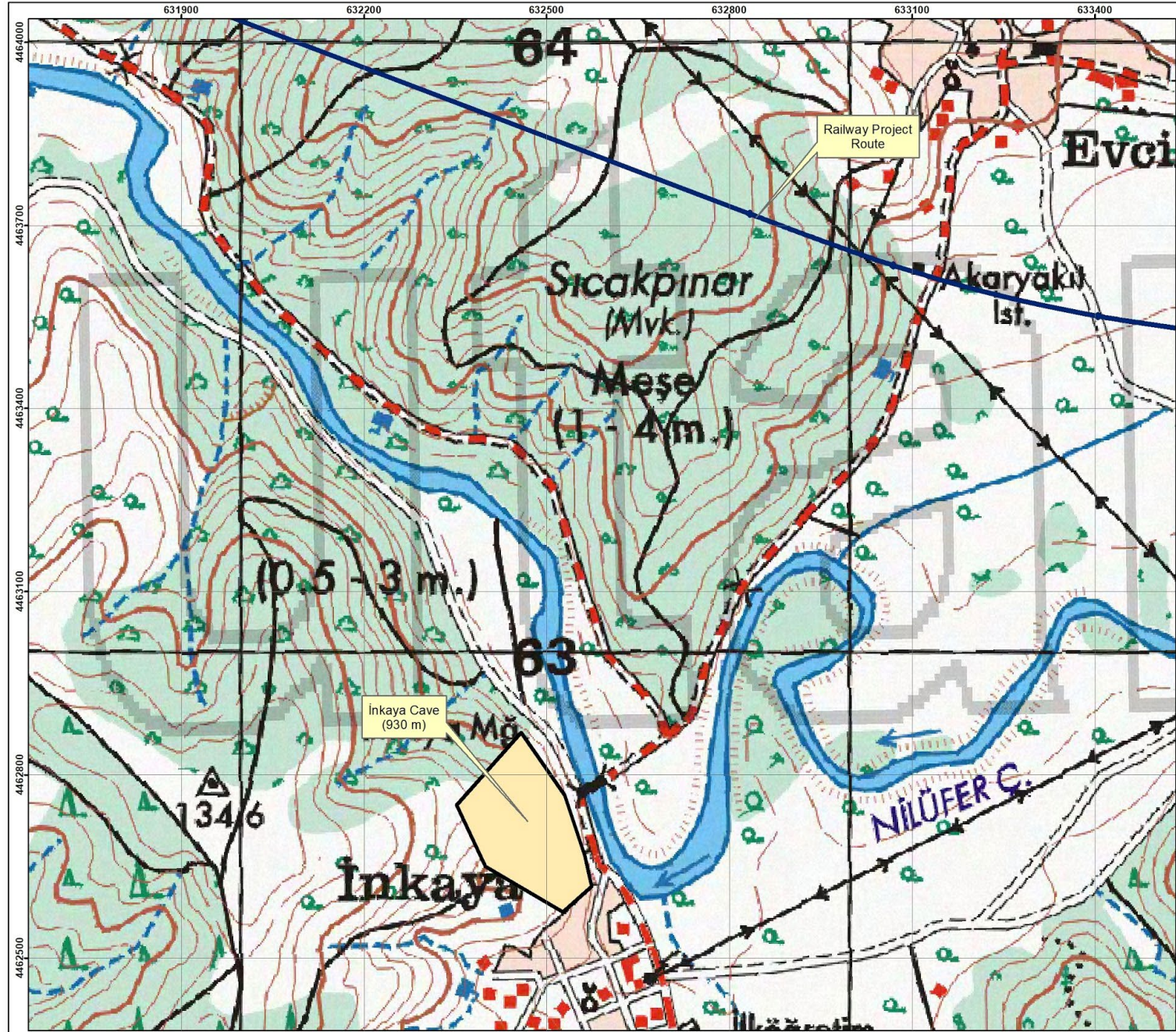
**OBSERVATIONS**

Special care must be shown to the area especially during the opening of access roads for the construction Works.





**FINDINGS**

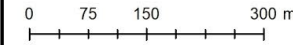


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (No Effect)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standart Railway Project

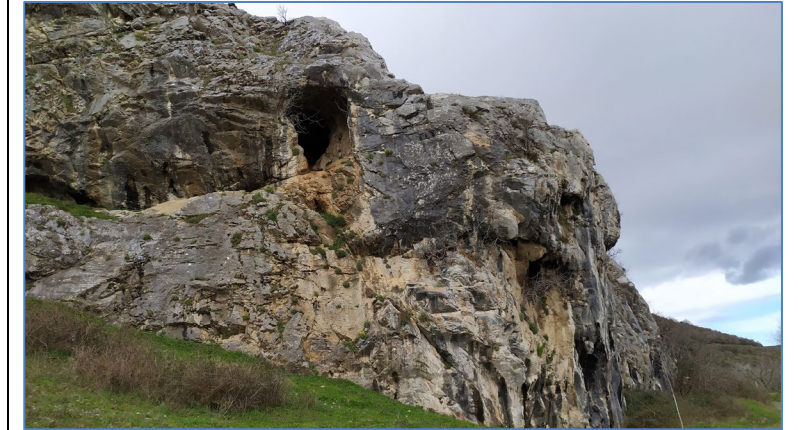
Drawing No : 021

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>34</b>	<b>River</b>	Nilüfer River
<b>Name</b>	Hoca Çeşme Mill	<b>Valley</b>	
<b>Province / District</b>	Bursa Karacabey	<b>Mountain</b>	
<b>Neighborhood</b>	Derleme	<b>Lowland</b>	

**COORDİNATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	624733.8	6	624773.47	11		16	4461827.61
2	624759.5	7	624744.55	12	4461868.3	17	4461824.25
3	624800.21	8	624709.94	13	4461884.77	18	4461842.31
4	624820.34	9		14	4461858.68	19	
5	624798.63	10		15	4461839.77	20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>	X				

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
					X	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	260 m.					
<b>Suggestion</b>	It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.					

**OBSERVATIONS**

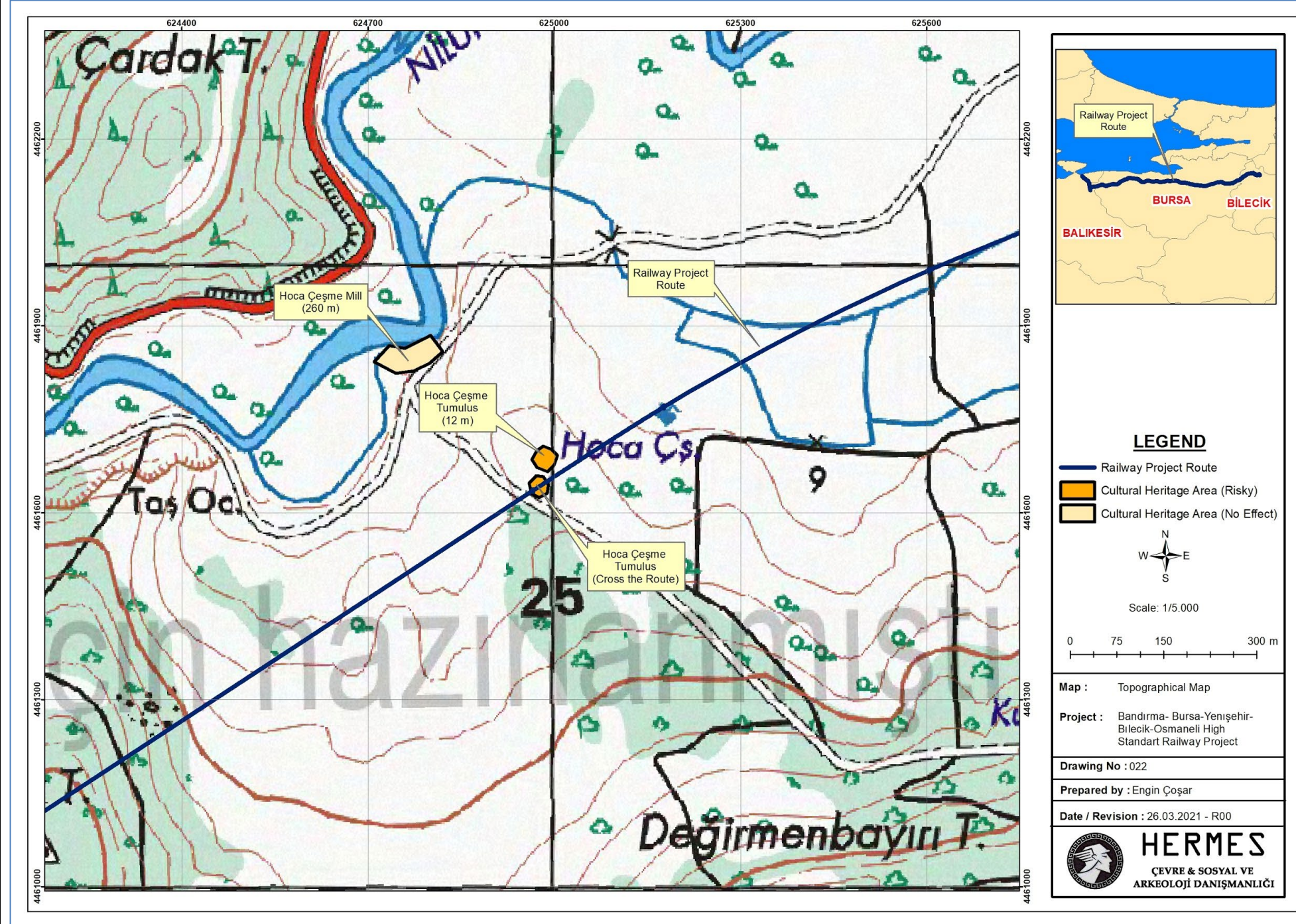
It is a watermill located next to the Nilüfer Stream towards the southwest of the Çeşnigir Village. The mill is located 260 m north of the Project route. The building reflects strong characteristics of Ottoman architecture and candidates to be an important Cultural Asset.

Special care must be shown to the area especially during the opening of access roads for the construction Works.





## FINDINGS





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>35</b>	<b>River</b>	Nilüfer River
<b>Name</b>	Hoca Çeşme Tumulus	<b>Valley</b>	
<b>Province / District</b>	Bursa Karacabey	<b>Mountain</b>	
<b>Neighborhood</b>	Derleme	<b>Lowland</b>	

**COORDİNATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	624982.45	6	624971.91	11	4461706.96	16	4461672.59
2	624995.85	7	624963.57	12	4461701.36	17	4461685.7
3	625004.69	8	624972.21	13	4461692.2	18	4461700.14
4	624999.77	9		14	4461677.43	19	
5	624989.12	10		15	4461666.02	20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>	X	X			
<b>Byzantium/ Ottoman</b>					

**DESCRIPTIONS**

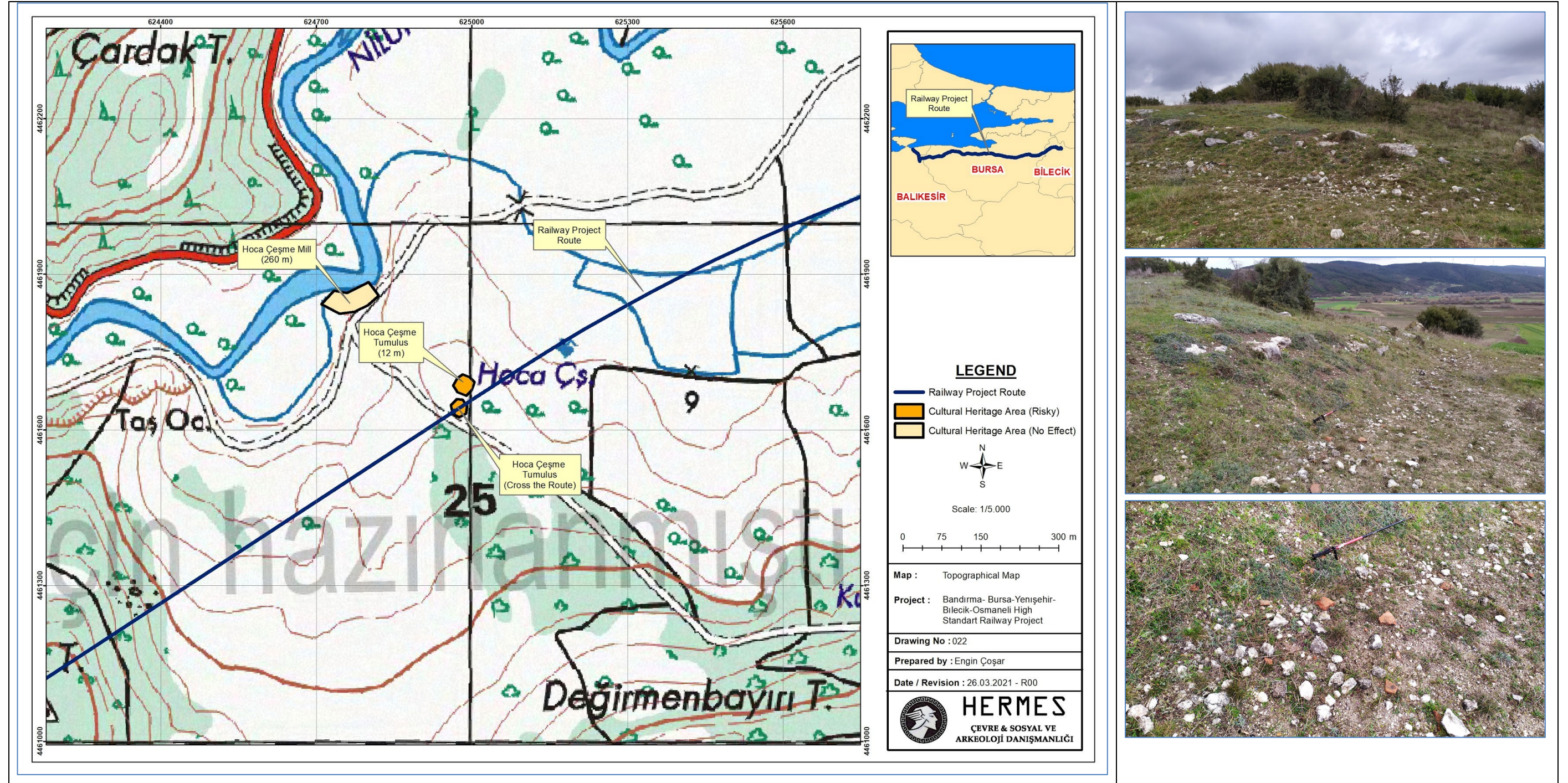
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	X					
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	On the route.					
<b>Suggestion</b>	Route change or test pits/salvage excavation.					

**OBSERVATIONS**

The earthen mounds are located on a hill covered with oak trees that is located within the Nilüfer Stream basin towards the southwest of Çengir Köyü. The tumulus falling on the Project route reflects a two peaked structure. Surrounded by stones the whole earthen mound was covered with tile fragments and looting holes.



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>36</b>	River	
<b>Name</b>	Ancient Bridge Abutment	Valley	
<b>Province / District</b>	Bursa Karacabey	Mountain	
<b>Neighborhood</b>	Taşlık	Lowland	

**COORDİNATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	617206.36	6		11	4455669.69	16	
2	617213.96	7		12	4455654.68	17	
3	617203.02	8		13	4455648.3	18	
4	617193.8	9		14	4455665.71	19	
5		10		15		20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>	X				

**DESCRIPTIONS**

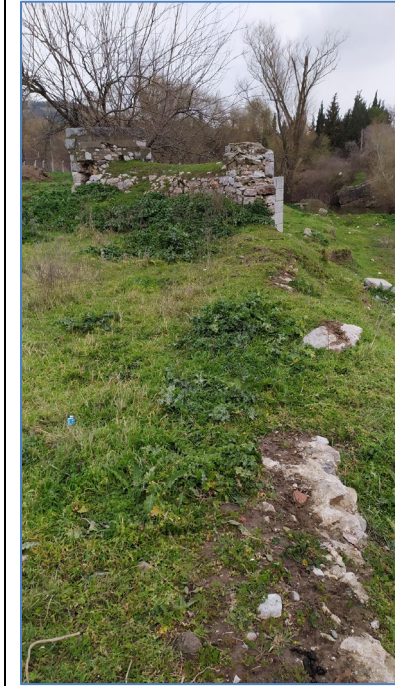
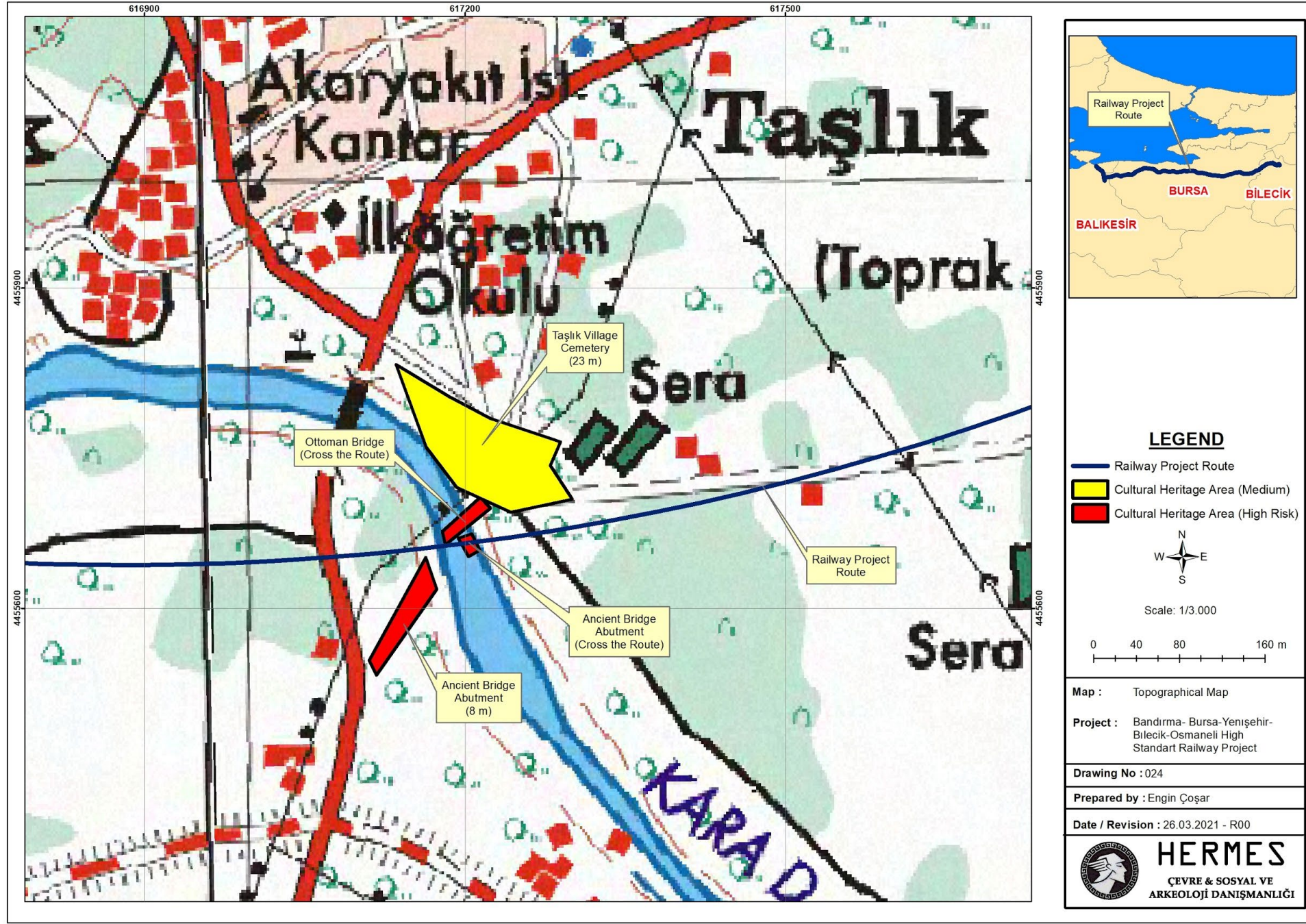
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	<b>Bridge</b>
						X
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	On the route.					
<b>Suggestion</b>	HRM 36-37'nin tescil durumuna bakılıp, plan rölevesi yapılarak kaldırılabilir					

**OBSERVATIONS**

As the area lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. The passing of this point through a bridge should be realized in care with special attention given to the proper calculation of the abutment and bridge heights for being in accordance with the archaeological remains.



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>37</b>	<b>River</b>	
<b>Name</b>	Ottoman Bridge	<b>Valley</b>	
<b>Province / District</b>	Bursa-Karacabey	<b>Mountain</b>	
<b>Neighborhood</b>	Taşlık	<b>Lowland</b>	

**COORDİNATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	617214.4	6		11	4455703.98	16	
2	617223.87	7		12	4455693.93	17	
3	617181.64	8		13	4455659.55	18	
4	617178.96	9		14	4455672.02	19	
5		10		15		20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>	X				
<b>Early Republic Of Turkey</b>	X				

**DESCRIPTIONS**

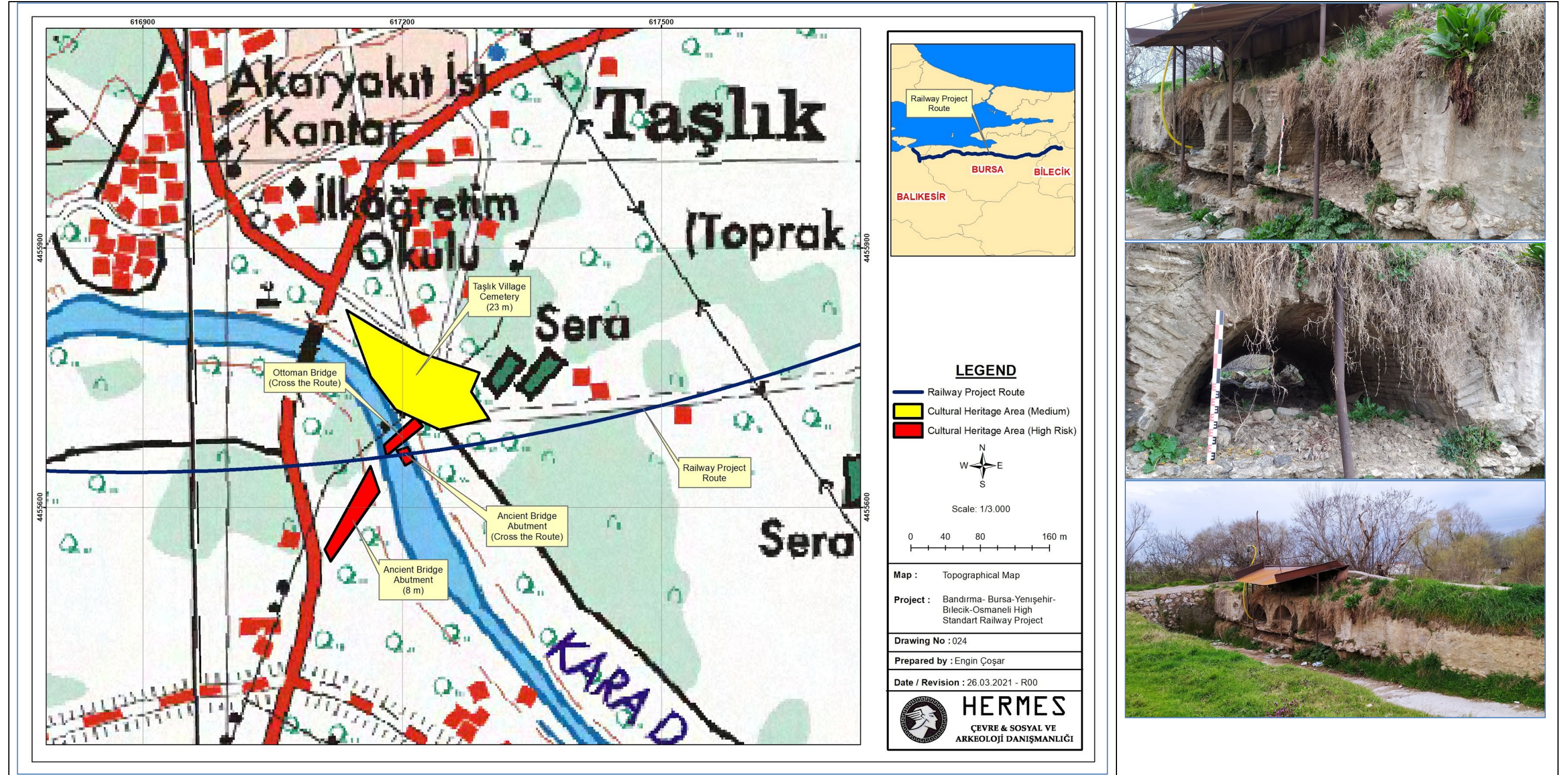
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	<b>Bridge</b>
						X
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	On the route.					
<b>Suggestion</b>						

**OBSERVATIONS**

During the investigation of the Project route which will pass from the south of the Taşlık quarter remains of a bridge with 3 arches were detected on the old riverbed two corresponding bridge abutments were detected on the Kara Dere. The Project route will pass from over the two abutments via a bridge. The current state of the remains had shown that the bridge lost its proper function due to the change of the old route of the river.



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>38</b>	<b>River</b>	
<b>Name</b>	Taşlık Village Cemetery	<b>Valley</b>	
<b>Province / District</b>	Bursa	<b>Mountain</b>	
<b>Neighborhood</b>	Taşlık	<b>Lowland</b>	

**COORDİNATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	617289.21	6	617163.5	11	4455756.00	16	4455751.1
2	617279.92	7	617135.43	12	4455733.61	17	4455828.17
3	617300.21	8	617185.09	13	4455702.04	18	4455798.01
4	617242.88	9	617223.46	14	4455690.14	19	4455778.11
5	617191.96	10		15	4455713.07	20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>					

**DESCRIPTIONS**

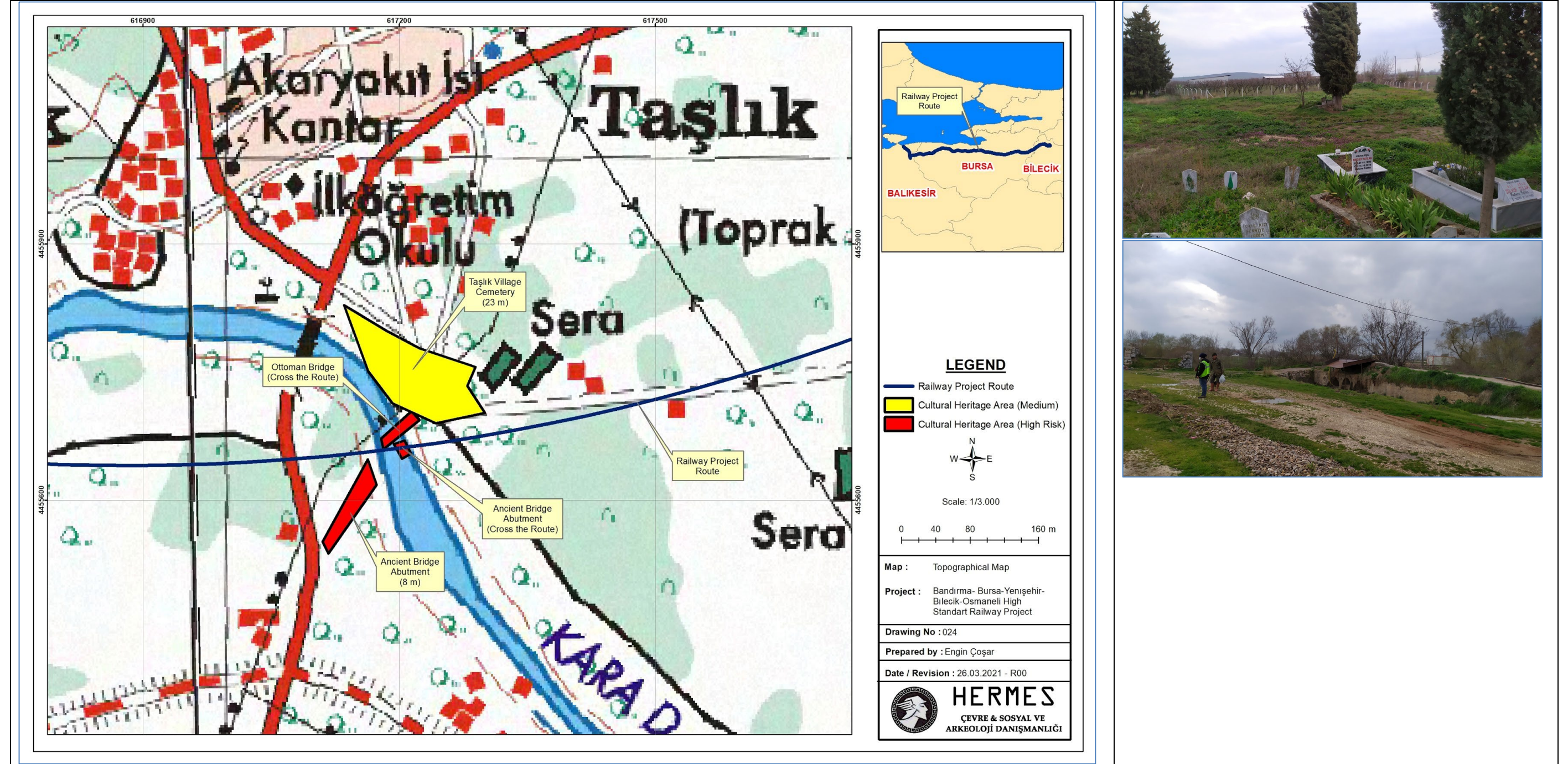
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	23 m.					
<b>Suggestion</b>						

**OBSERVATIONS**

It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>39</b>	<b>River</b>	
<b>Name</b>	Şahinköy Cemetery	<b>Valley</b>	
<b>Province / District</b>	Bursa	<b>Mountain</b>	
<b>Neighborhood</b>	Şahinköy	<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	612046.67	6	611962.58	11	4455437.49	16	4455302.04
2	612196.88	7		12	4455271.79	17	
3	612168.81	8		13	4455237.72	18	
4	612113.93	9		14	4455301.58	19	
5	612037.16	10		15	4455228.21	20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>					

**DESCRIPTIONS**

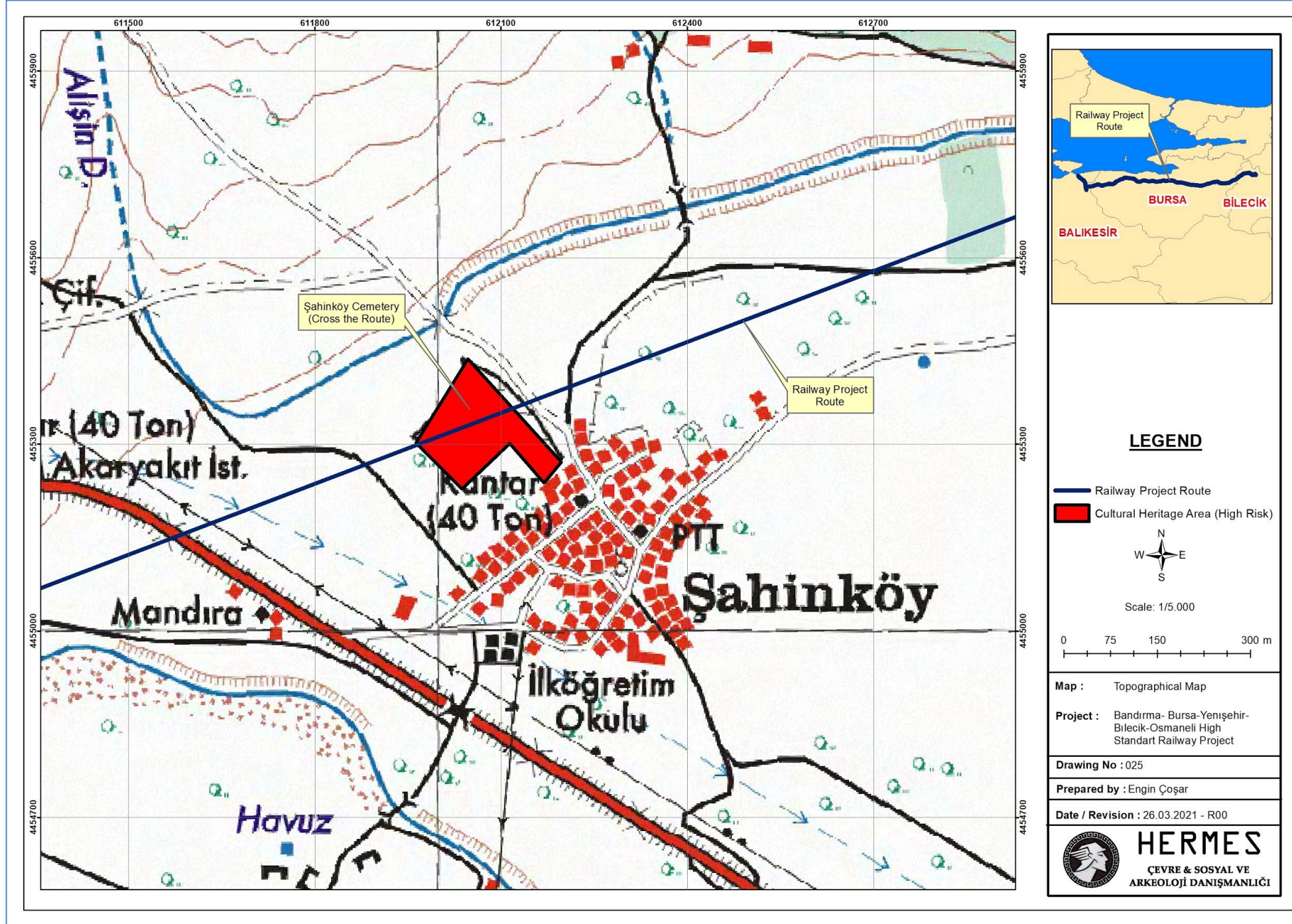
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	On the route.					
<b>Suggestion</b>	The area lies towards the north of the Şahinköy Village and reflects general traits of an Ottoman and Early Republican era cemetery. Tombs from the Ottoman era are inscribed with Ottoman inscriptions and decorated with quilted turbans.					

**OBSERVATIONS**

The Project route passes directly over the cemetery. If the route will be accepted as so by the Project firm the cemetery should be handled according to the laws numbered 3998 as "Law for the Protection of the Cemeteries" and numbered 2863 as "Law on Preservation of Cultural and Natural Assets". It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>40</b>	<b>River</b>	
<b>Name</b>	Castle and Mound	<b>Valley</b>	
<b>Province / District</b>	Bursa Karacabey	<b>Mountain</b>	
<b>Neighborhood</b>	Danışment Köyü (Tophisar)	<b>Lowland</b>	

**COORDİNATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	599611.75	6	599580.38	11	4453549.91	16	4453286.29
2	599731.12	7	599464.3	12	4453505.24	17	4453344.67
3	599775.74	8	599432.64	13	4453462.14	18	4453428.55
4	599803.1	9	599488.63	14	4453409.24	19	4453516.23
5	599717.04	10		15	4453282.24	20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>	X				
<b>Byzantium/ Ottoman</b>	X	X			

**DESCRIPTIONS**

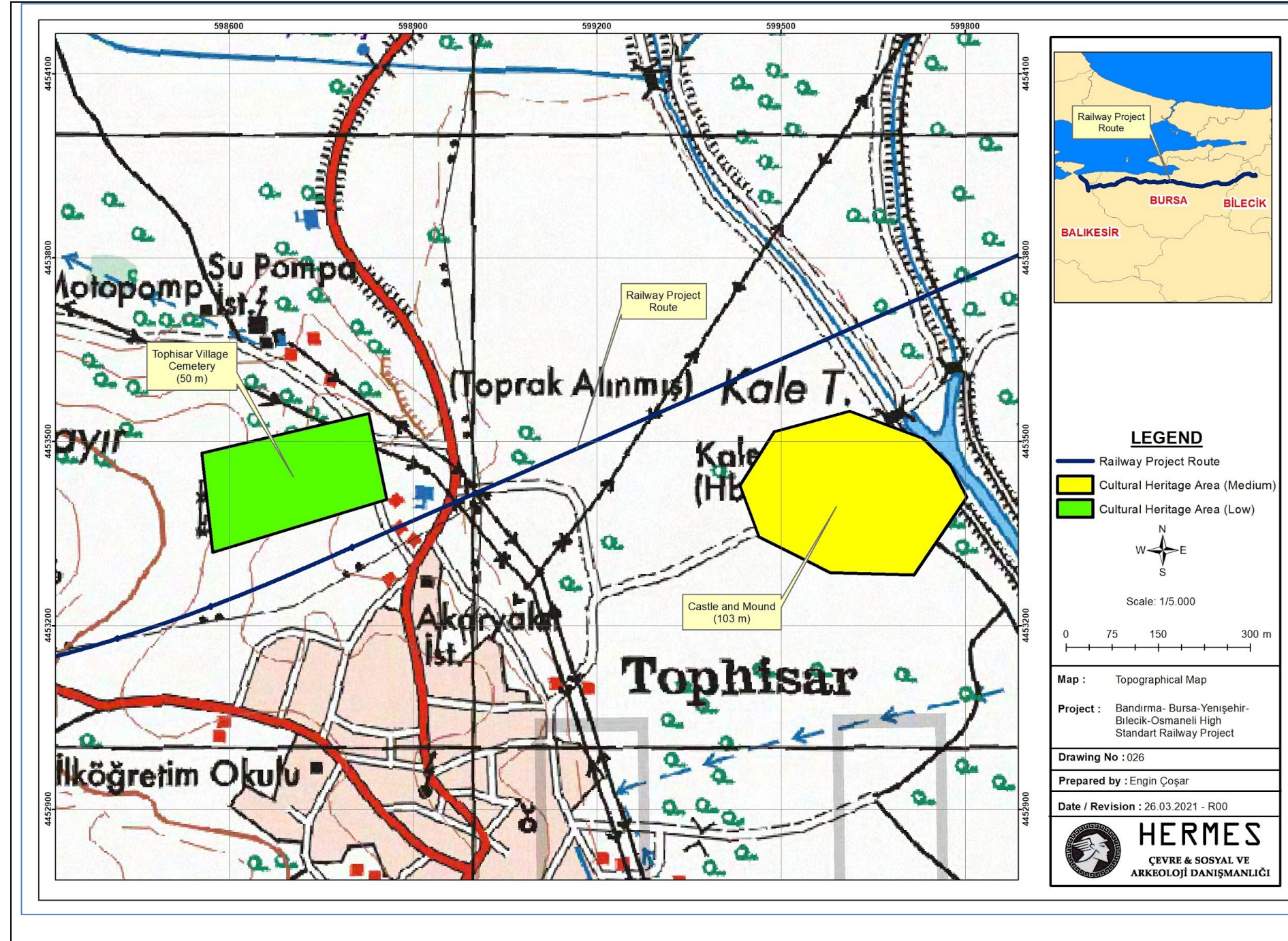
<b>Topographical Features</b>						
<b>Architectural Features</b>	Castle and chapel.					
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
	X					
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	X					
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	103 m					
<b>Suggestion</b>	By considering the high archaeological potential of the area it is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring..					

**OBSERVATIONS**

The castle is situated at the east of the Tophisar Village, at a locality known as Kaletepe Locality on a high natural formation. The castle must be from the latest settlement layer of the natural formation which could be now attested to originally existed as a mound. The castle was investigated and published by Prof. Dr. S. Yıldız ÖTÜKEN.



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>41</b>	<b>River</b>	
<b>Name</b>	Tophisar Village Cemetary	<b>Valley</b>	
<b>Province / District</b>	Bursa	<b>Mountain</b>	
<b>Neighborhood</b>	Tophisar	<b>Lowland</b>	

**COORDİNATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	598827.43	6		11	4453545.67	16	
2	598856.65	7		12	4453405.7	17	
3	598572.77	8		13	4453319.34	18	
4	598555.42	9		14	4453481.34	19	
5		10		15		20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>		
		Ceramic	Small Findings	N-S		
<b>Chalcolithic</b>				E-W		
<b>Bronze Age</b>				<b>Measuring Range</b>		
<b>Hellenistical Age</b>						
<b>Roman</b>						
<b>Byzantium/ Ottoman</b>						

**DESCRIPTIONS**

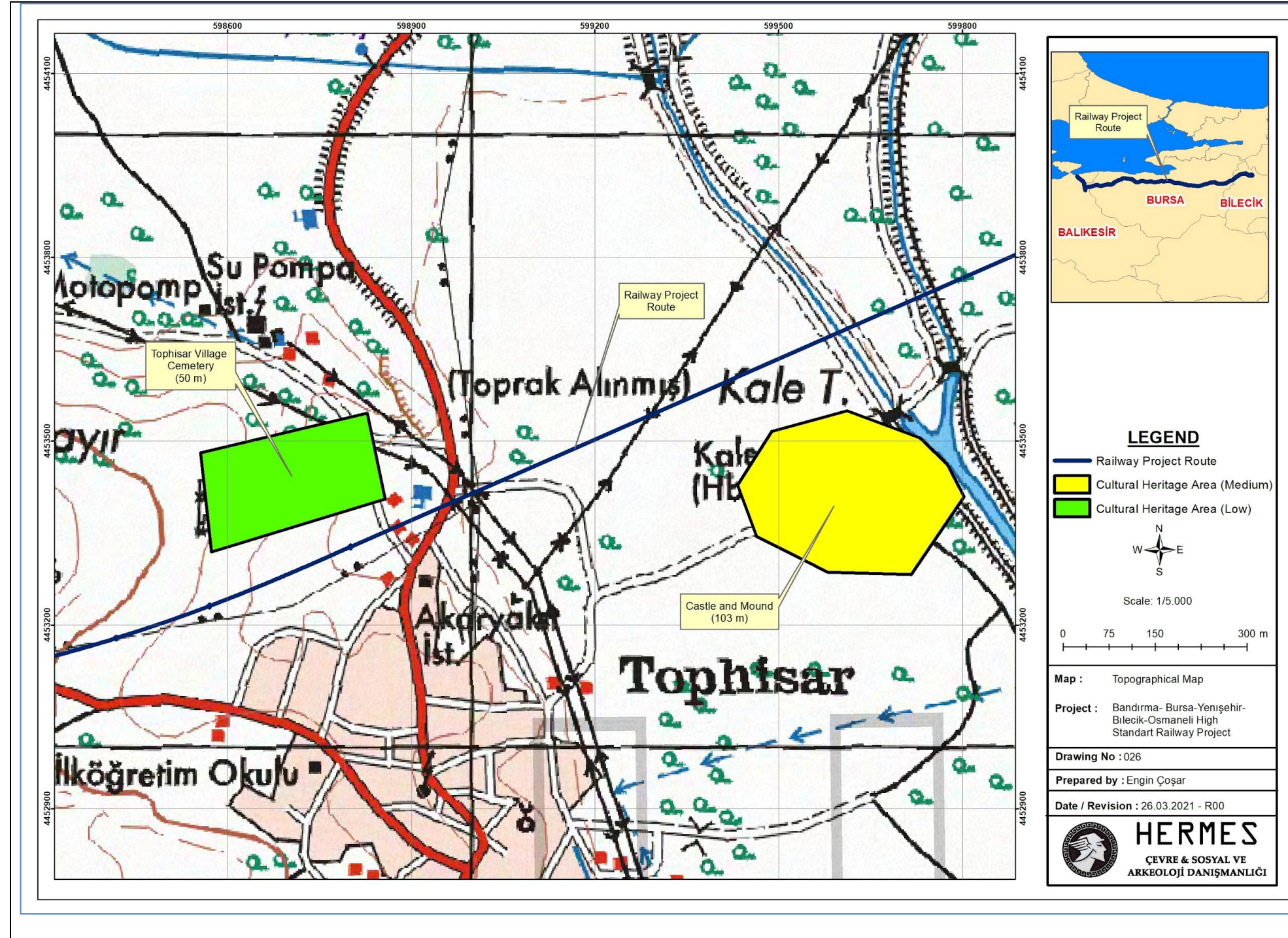
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	150 m.					
<b>Suggestion</b>	It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.					

**OBSERVATIONS**

The area of mention is the current cemetery of the Tophisar Village. It is situated at a distance of 50 m to the Project route and it will likely be affected by any of the construction works.



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>42</b>	<b>River</b>	
<b>Name</b>	Harmanlı Slope Settlement	<b>Valley</b>	
<b>Province / District</b>	Bursa	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	620036.44	6	620151.04	11	4457618.65	16	4457456.03
2	620098.16	7	620103.62	12	4457628.64	17	4457402.83
3	620142.05	8	620077.88	13	4457617.53	18	4457389.03
4	620164.25	9	620046.37	14	4457580.98	19	4457384.00
5	620171.08	10	620007.81	15	4457527.84	20	4457402.58

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>	X	X			

**DESCRIPTIONS**

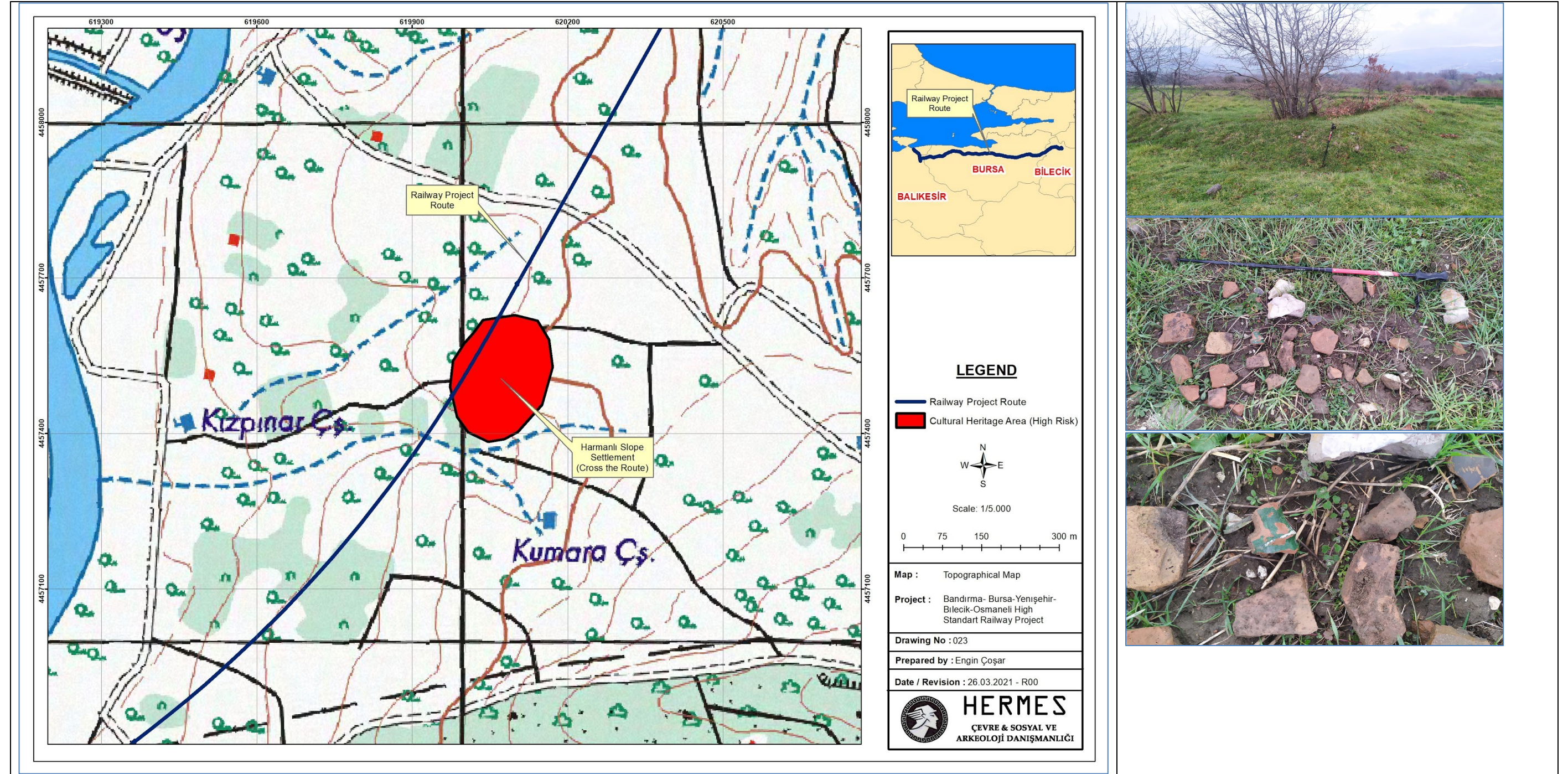
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
		X				
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	On the route.					
<b>Suggestion</b>	It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.					

**OBSERVATIONS**

As the archaeological area lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. :



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>43</b>	<b>River</b>	
<b>Name</b>	Kazçeşme Mevkii Necropolis	<b>Valley</b>	
<b>Province / District</b>	Bursa	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	595556.85	6	595493.1	11	4452264.77	16	4452236.31
2	595530.25	7	595485.21	12	4452235.03	17	4452255.95
3	595520.95	8	595487.39	13	4452241.33	18	4452264.09
4	595520.15	9	595458.76	14	4452240.64	19	4452283.49
5	595505.66	10	595453.21	15	4452231.71	20	4452320.23

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>	X	X			
<b>Byzantium/ Ottoman</b>					

**DESCRIPTIONS**

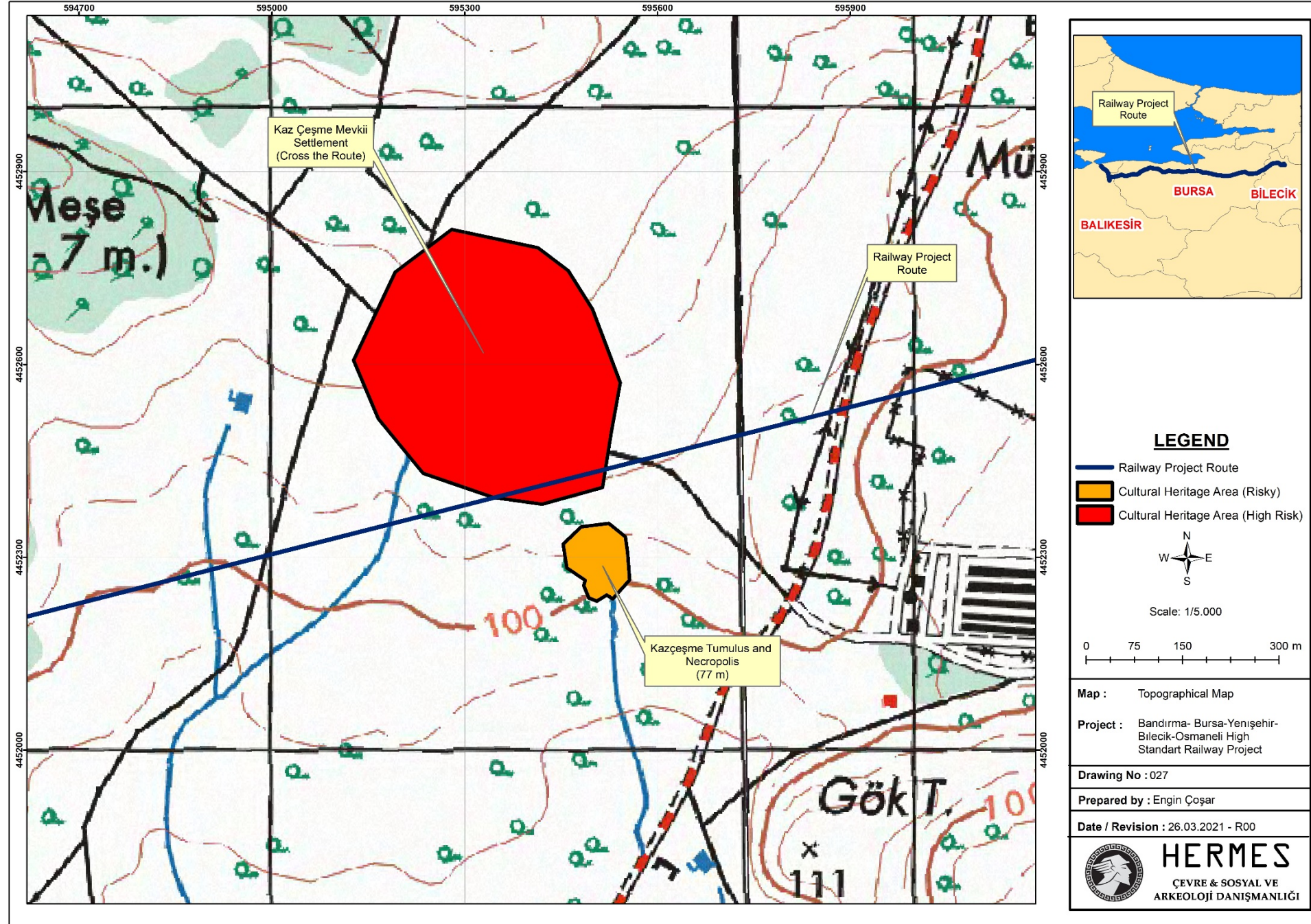
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
		X				
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	77 m					
<b>Suggestion</b>	Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.					

**OBSERVATIONS**

The tumulus being independent of the rest of the topography lies at a height of 1-2 m. Despite being 77 m distance to the Project area the tumulus is less likely to be affected from any part of the Project. The existence of a necropolis at the north of the tumulus seems highly possible.



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>44</b>	<b>River</b>	Sakarya River
<b>Name</b>	Kaz Çeşme Mevki Settlement	<b>Valley</b>	
<b>Province / District</b>	Bursa	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	595279.78	6	595528.18	11	4452810.02	16	4452494.23
2	595414.25	7	595514.59	12	4452781.46	17	4452408.56
3	595461.02	8	595420.34	13	4452745.66	18	4452382.66
4	595498.85	9	595344.6	14	4452685.76	19	4452392.99
5	595542.04	10	595235.26	15	4452571.35	20	4452430.57

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b> 90.000 m2	
<b>Hellenistical Age</b>					
<b>Roman</b>	X	X			
<b>Byzantium/ Ottoman</b>	X	X			

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	X					
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	On the route					
<b>Suggestion</b>	Route change or test pits /salvage excavation should be carried under the museum directorate.					

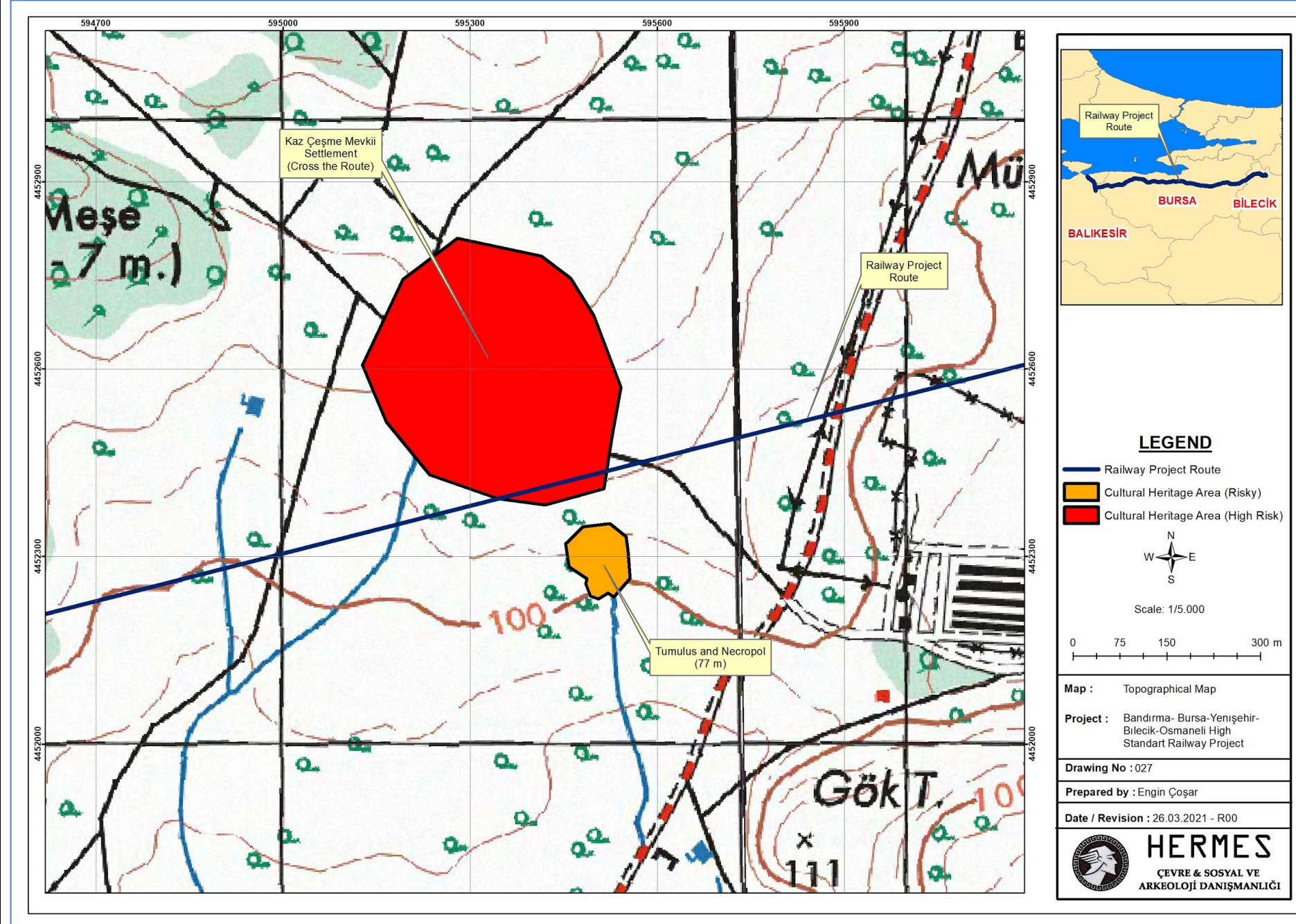
**OBSERVATIONS**

As the archaeological area lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Additionally, the Directorate of the Bandırma Museum should be informed of the existence of the area to carry out on-site field inspections and if needed for registration to ensure its protection.:





## FINDINGS





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>45</b>	<b>River</b>	
<b>Name</b>	İncirli Çeşme Mevki Necropolis	<b>Valley</b>	
<b>Province / District</b>	Balıkesir- Bandırma	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	594083.07	6	594138.17	11	4452288.34	16	4452201.82
2	594212.16	7	594072.62	12	4452321.32	17	4452182.33
3	594289.53	8	593990.63	13	4452310.83	18	4452169.91
4	594297.45	9	593941.31	14	4452278.88	19	4452165.22
5	594304.62	10	593863.53	15	4452234.18	20	4452194.3

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>	X	X			
<b>Byzantium/ Ottoman</b>					

**DESCRIPTIONS**

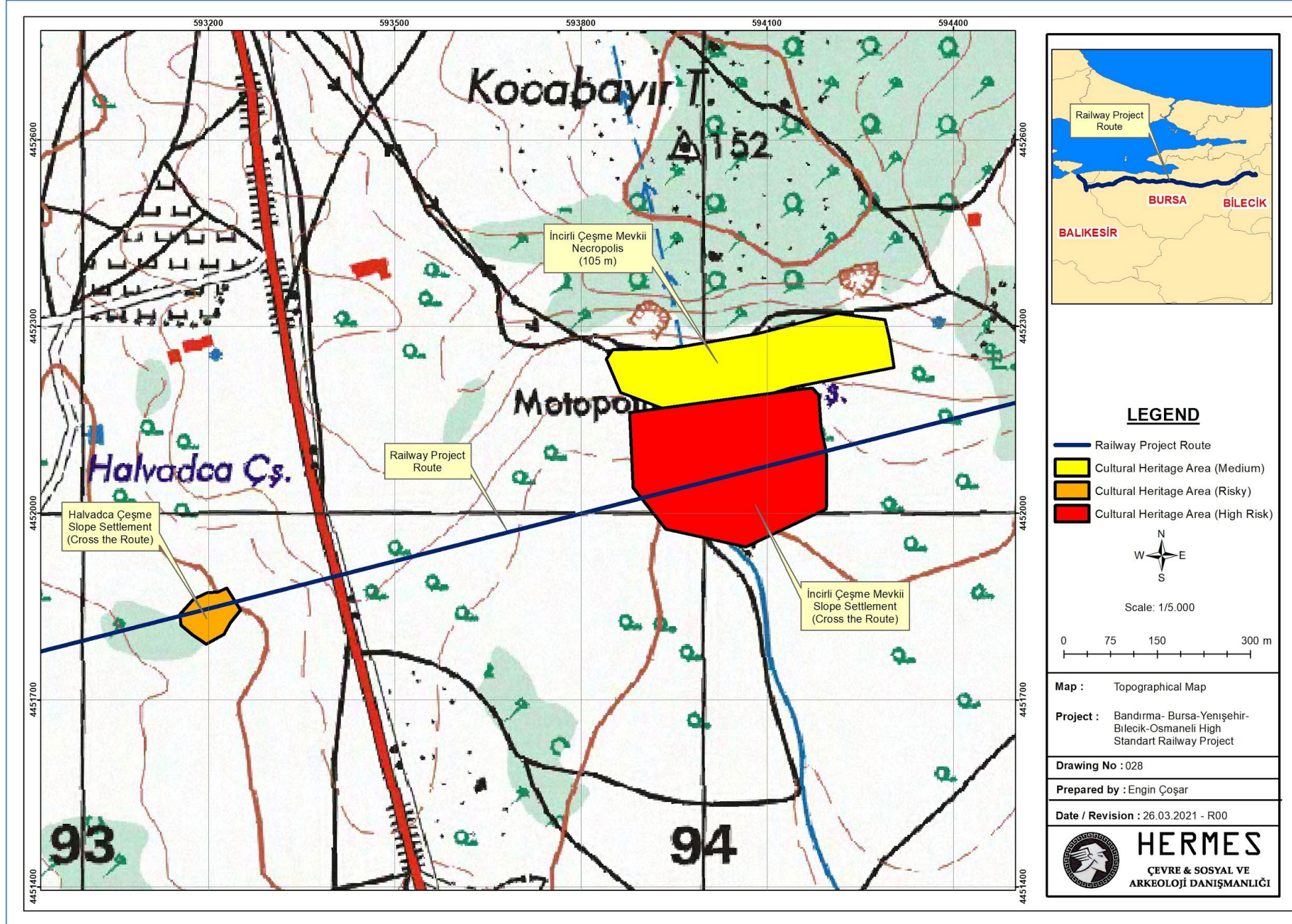
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
		X				
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	105 m					
<b>Suggestion</b>	If construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.					

**OBSERVATIONS**

The surface of the area was densely covered with ceramic fragments from the Roman Period. Further surveys around the area also revealed the existence of a looted tumulus and a yet excavated second tumulus. Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bandırma Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>46</b>	<b>River</b>	
<b>Name</b>	İncirli Çeşme Mevki Slope Settlement	<b>Valley</b>	
<b>Province / District</b>	Balıkesir-Bandırma	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	594149.6	6	594196.00	11	4452198.47	16	4452052.97
2	594172.77	7	594194.92	12	4452200.94	17	4452007.03
3	594183.12	8	594065.47	13	4452189.95	18	4451946.1
4	594186.74	9	593936.49	14	4452135.82	19	4451974.6
5	594195.45	10	593883.94	15	4452097.98	20	4452041.41

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>	X	X			

**DESCRIPTIONS**

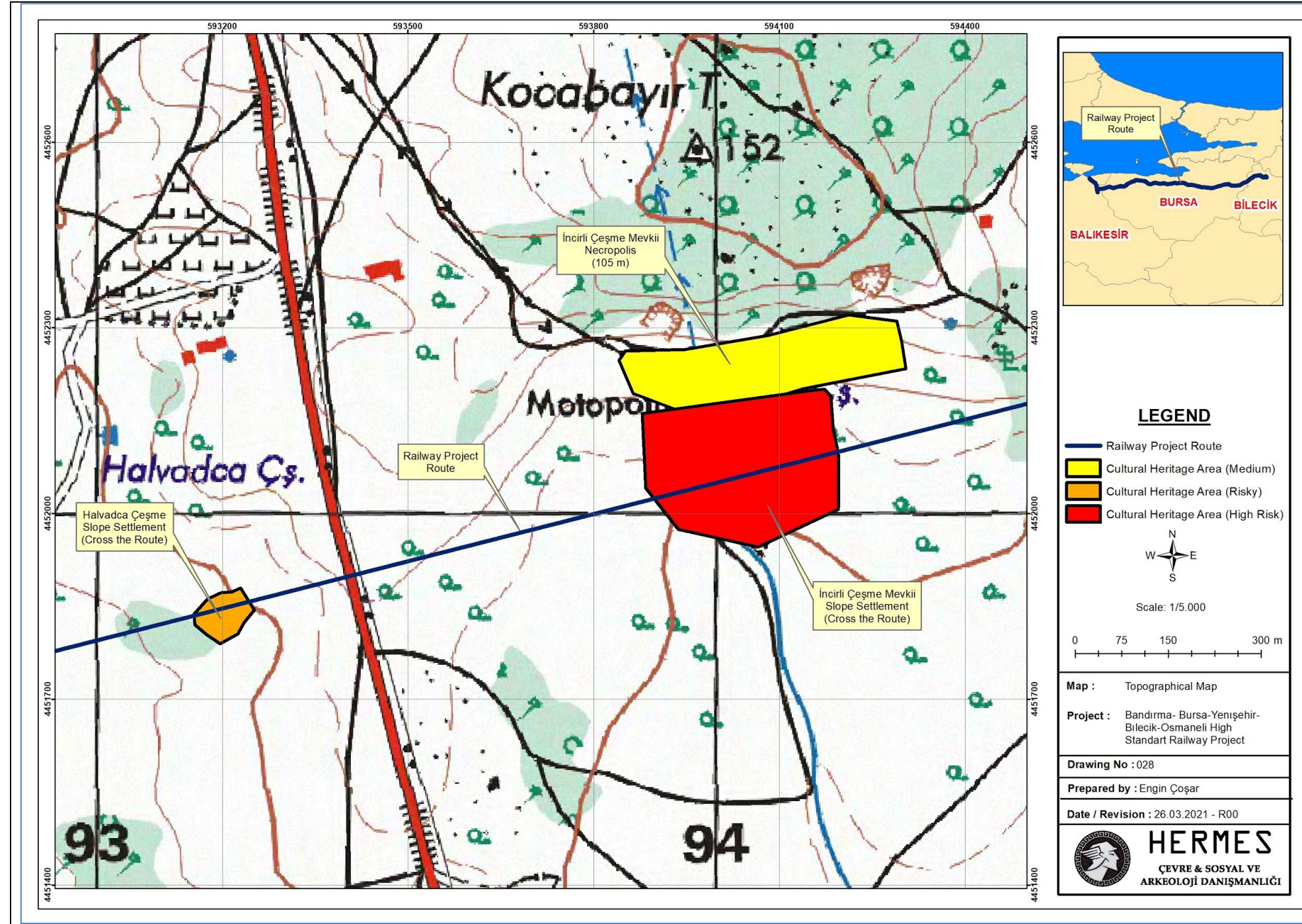
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
		X				
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	On the route.					
<b>Suggestion</b>	Route change					

**OBSERVATIONS**

As the archaeological area lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Additionally, the Directorate of the Bandırma Museum should be informed of the existence of the area to carry out on-site field inspections and if needed for registration to ensure its protection.



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>47</b>	<b>River</b>	
<b>Name</b>	Halvadca çeşme Slope Settlement	<b>Valley</b>	
<b>Province / District</b>	Balıkesir-Bandırma	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	593197.74	6	593225.02	11	4451872.19	16	4451805.23
2	593215.5	7	593196.49	12	4451873.41	17	4451789.95
3	593229.13	8	593174.94	13	4451879.61	18	4451804.04
4	593251.49	9	593155.5	14	4451844.33	19	4451819.92
5	593235.04	10	593153.87	15	4451824.11	20	4451837.31

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>	X	X			

**DESCRIPTIONS**

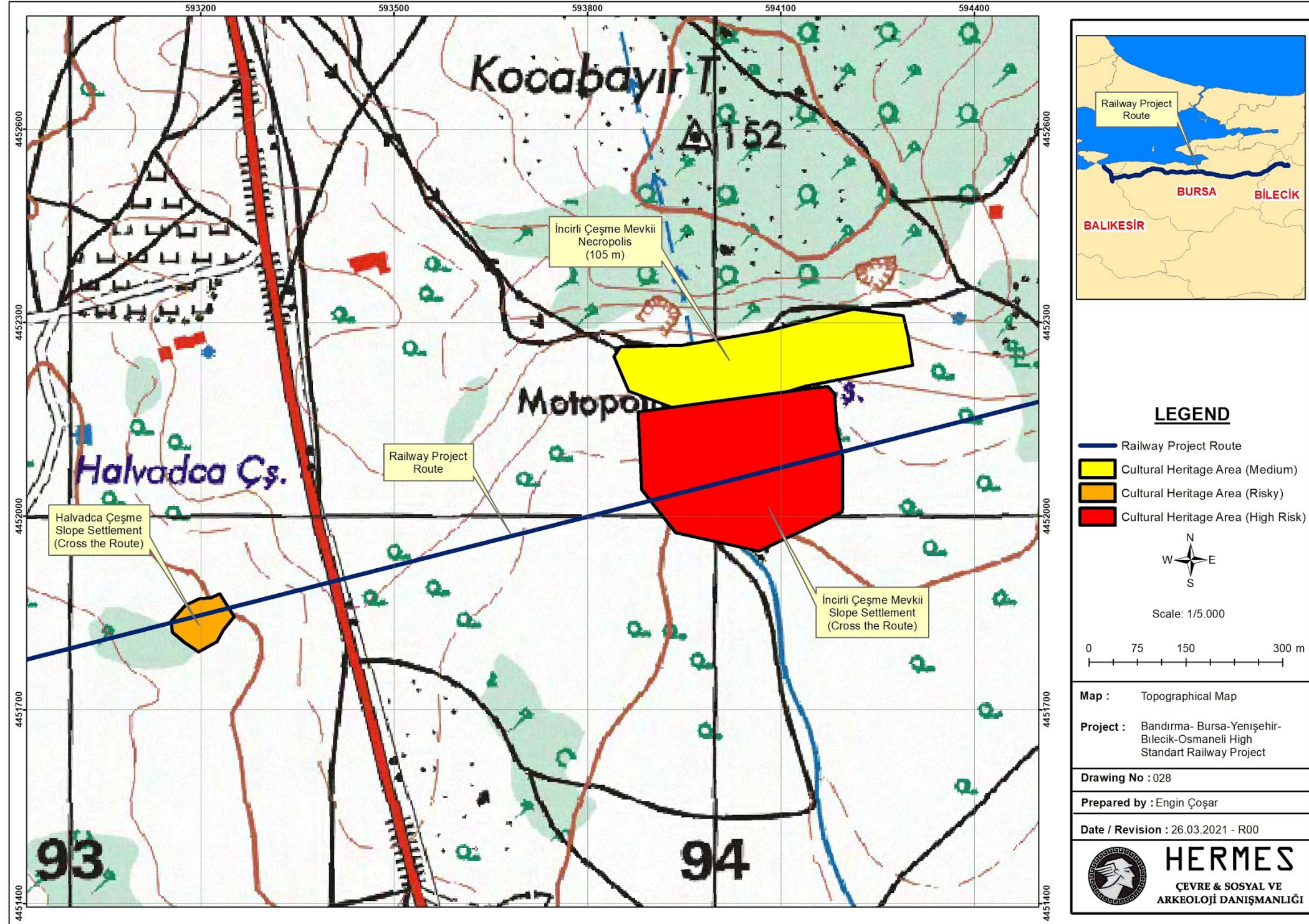
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
			X			
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	On the route.					
<b>Suggestion</b>	As the archaeological area lies directly on the construction area of the Project route the expert opinion proposes the opening of trial pits in the area under the supervision of the museum.					

**OBSERVATIONS**

It is located at southwest of Yeşilçomlu Village next to a forested area. The surface of its vicinity was covered in dense ceramics fragments dated to the Byzantine-Ottoman eras. The settlement could be a small building complex with a nearby water well.



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>48</b>	<b>River</b>	
<b>Name</b>	Söğütçe Çeşme Mevki Settlement	<b>Valley</b>	
<b>Province / District</b>	Balıkesir-Bandırma	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	591248.91	6	591374.03	11	4448479.48	16	4448085.54
2	591346.91	7	591301.15	12	4448423.58	17	4448047.08
3	591379.49	8	591223.52	13	4448393.45	18	4448036.99
4	591439.27	9	591159.62	14	4448287.97	19	4448085.87
5	591468.63	10	591158.9	15	4448172.21	20	4448418.54

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>	X	X			
<b>Byzantium/ Ottoman</b>	X	X			

**DESCRIPTIONS**

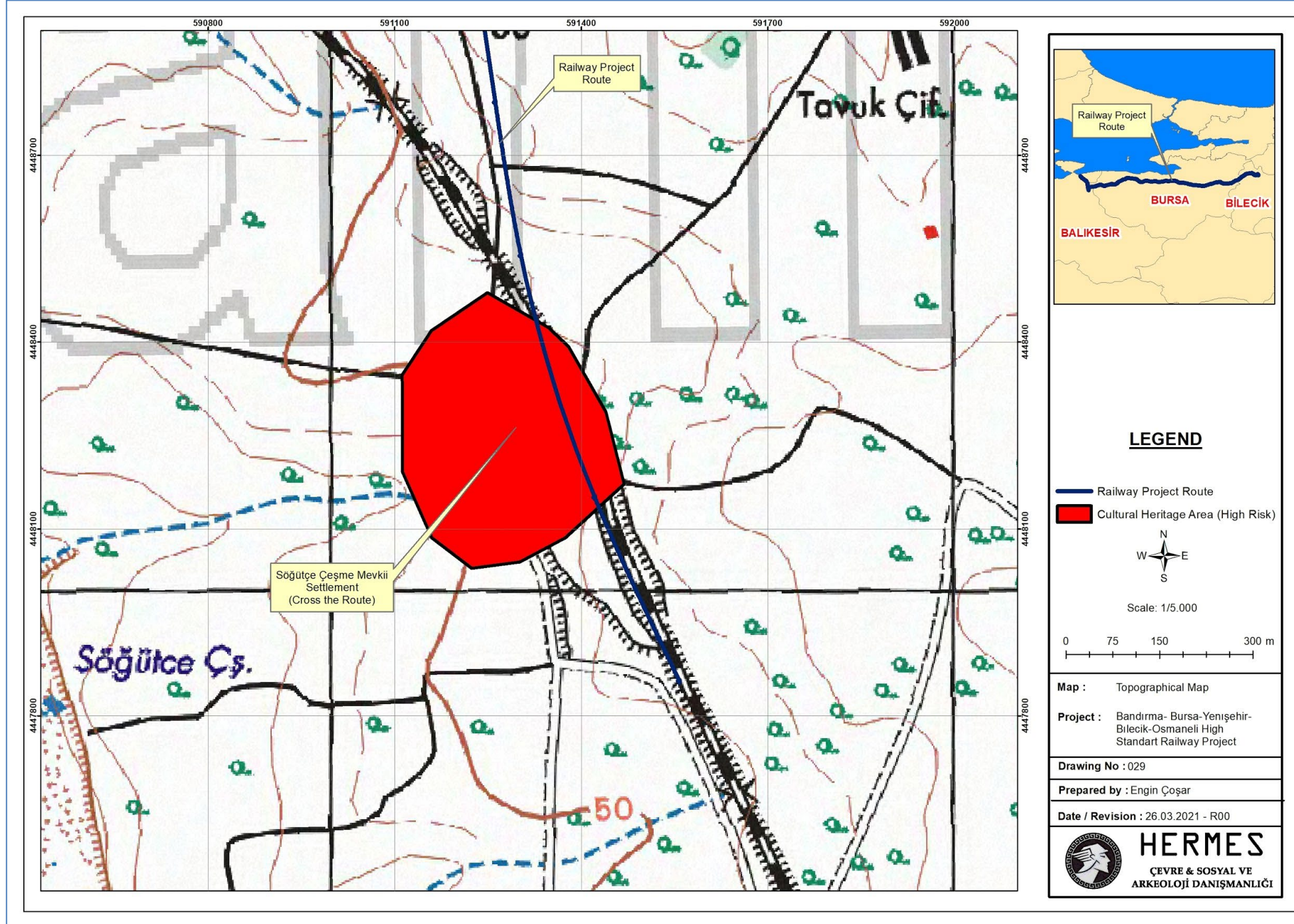
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
		X				
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
		X				
<b>Distance to Route</b>	On the route					
<b>Suggestion</b>	Test pits or Salvage excavation could be carried out under the supervision of museum.					

**OBSERVATIONS**

As the archaeological area lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Additionally, the Directorate of the Bandırma Museum should be informed of the existence of the area to carry out on-site field inspections and if needed for registration to ensure its protection.:



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>49</b>	<b>River</b>	Sakarya River
<b>Name</b>	Karakova Mevki Tumulus	<b>Valley</b>	
<b>Province / District</b>	Balıkesir-Bandırma	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	591248.48	6	591224.07	11	4452105.18	16	4452078.98
2	591261.08	7	591231.35	12	4452093.68	17	4452096.08
3	591266.98	8		13	4452077.24	18	
4	591245.77	9		14	4452065.78	19	
5	591233.25	10		15	4452071.33	20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>		
		Ceramic	Small Findings	N-S		
<b>Chalcolithic</b>				E-W		
<b>Bronze Age</b>				<b>Measuring Range</b>		
<b>Hellenistical Age</b>						
<b>Roman</b>	X	X				
<b>Byzantium/ Ottoman</b>						

**DESCRIPTIONS**

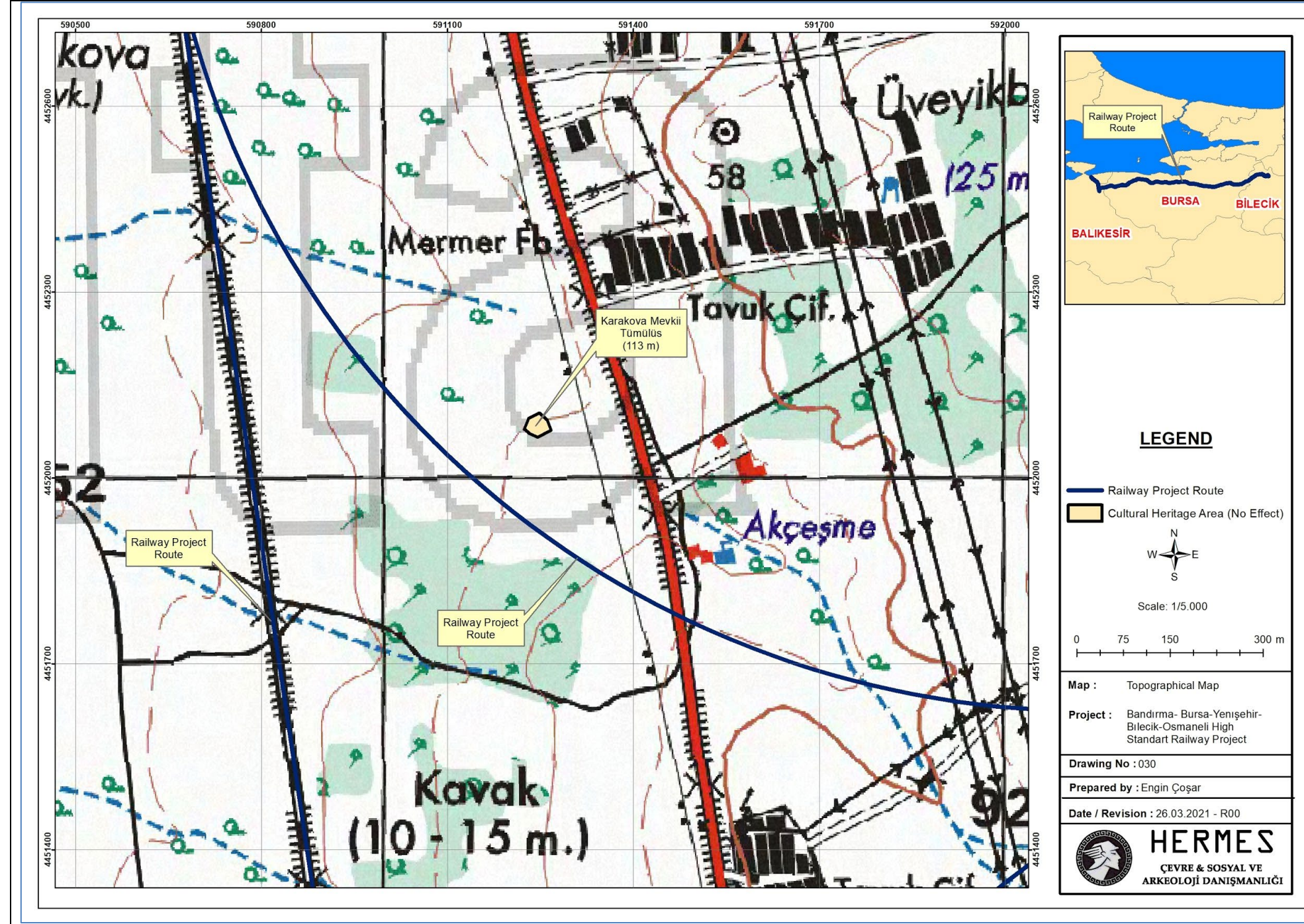
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	
					X	
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	Tren hattının 113 m kuzey doğusunda yer alır.					
<b>Suggestion</b>	Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.					

**OBSERVATIONS**

The tumulus lies next to the Bandırma-İzmir highway with a view of the Manyas Lake. Its distance to the Project route is 113 m. The artificial mound has many looters holes on and around surrounded by ceramic fragments from the Roman Period and marble architectural elements.



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>50</b>	<b>River</b>	
<b>Name</b>	Late Ottoman Bridge 2	<b>Valley</b>	
<b>Province / District</b>	Bandırma	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	586393.76	6		11	4461745.26	16	
2	586413.36	7		12	4461730.2	17	
3	586404.57	8		13	4461717.89	18	
4	586386.68	9		14	4461734.94	19	
5		10		15		20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>	X				
<b>Byzantium/ Ottoman</b>					
<b>Early Republic of Turkey</b>	X				

**DESCRIPTIONS**

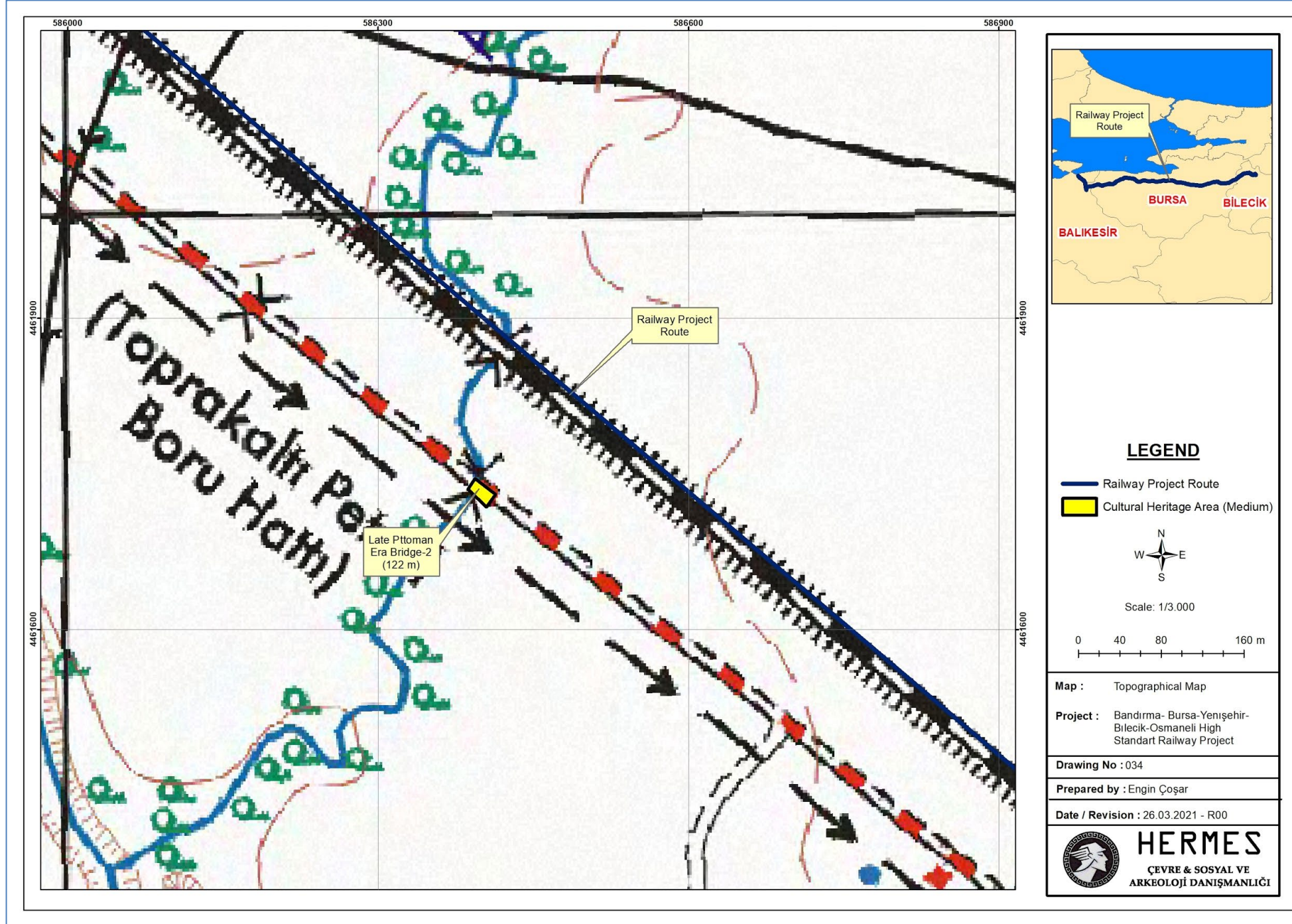
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	<b>Bridge</b>
						X
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	122 m					
<b>Suggestion</b>	The discovered bridge lies on the trail of the old Bandırma-Bursa highway. The paving stones from the old road are still visible in the area.					

**OBSERVATIONS**

The expert opinion strongly recommends route change for the passing of heavy tonnage vehicles from the nearby of the bridge and their directing to other alternative routes. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>51</b>	<b>River</b>	
<b>Name</b>	Late Ottoman Bridge 1	<b>Valley</b>	
<b>Province / District</b>	Bandırma	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	585848.58	6		11	4462177.37	16	
2	585872.16	7		12	4462163.6	17	
3	585864.26	8		13	4462153.85	18	
4	585844.03	9		14	4462169.74	19	
5		10		15		20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>	X				
<b>Byzantium/ Ottoman</b>					
<b>Early Republic of Turkey</b>	X				

**DESCRIPTIONS**

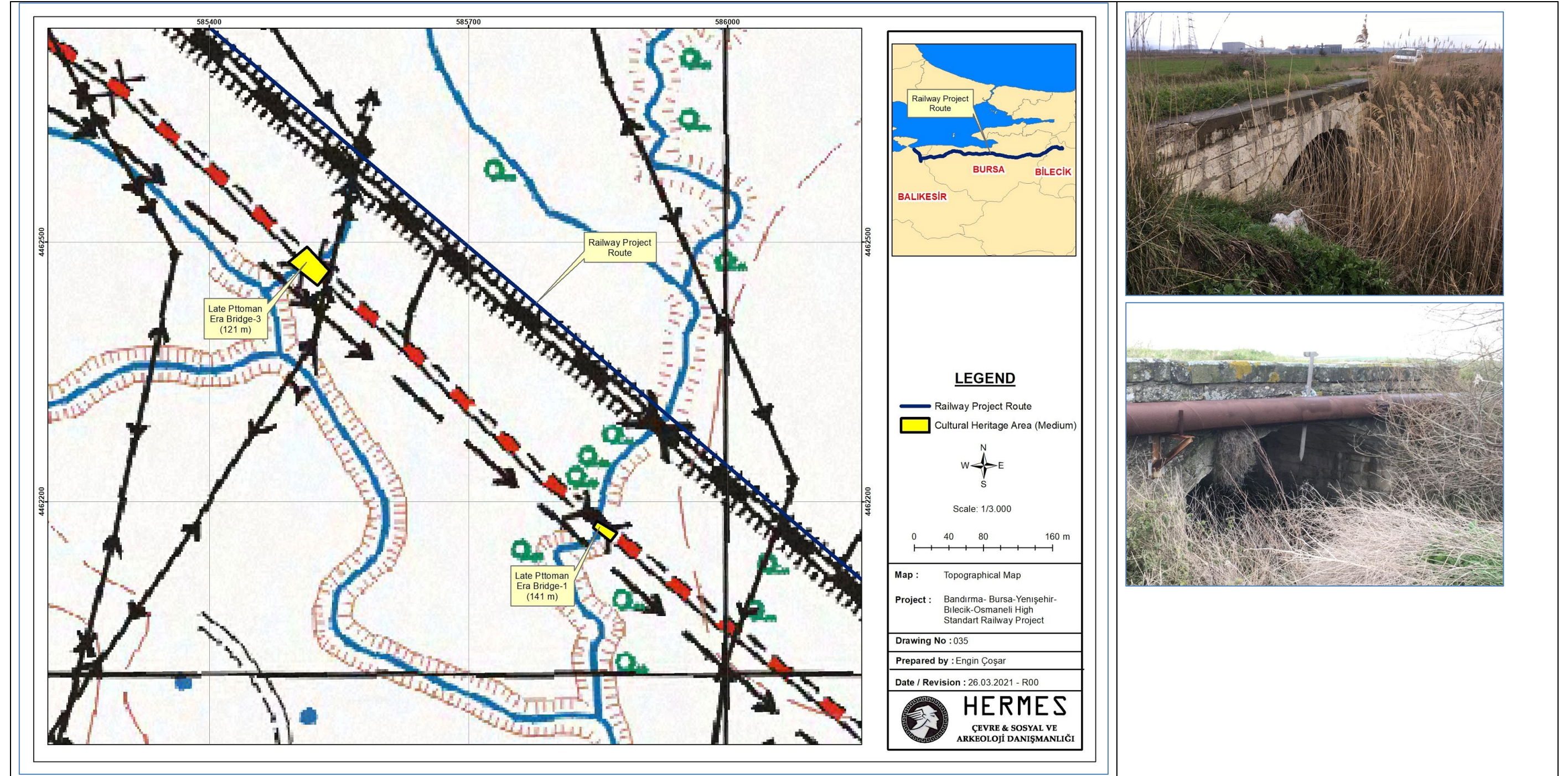
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	<b>Bridge</b>
						X
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	141 m					
<b>Suggestion</b>	The expert opinion strongly recommends route change for the passing of heavy tonnage vehicles from the nearby of the bridge and their directing to other alternative routes.					

**OBSERVATIONS**

Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.:



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>52</b>	<b>River</b>	
<b>Name</b>	Late Ottoman Bridge 3	<b>Valley</b>	
<b>Province / District</b>	Bandırma	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	585513.01	6		11	4462494.58	16	
2	585538.84	7		12	4462466.99	17	
3	585525.41	8		13	4462449.89	18	
4	585491.36	9		14	4462476.77	19	
5		10		15		20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>					
<b>Early Republic of Turkey</b>	X				

**DESCRIPTIONS**

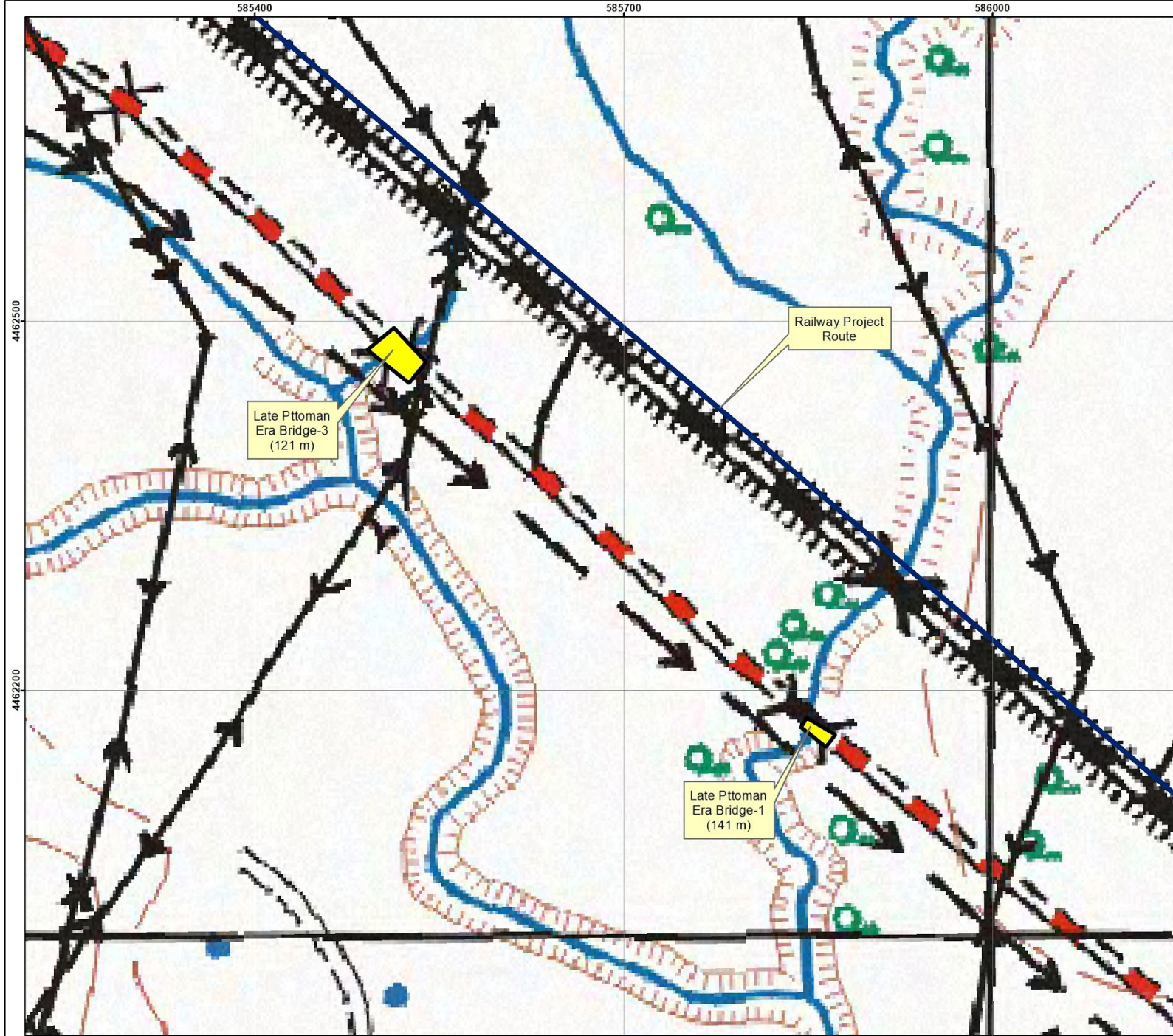
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	<b>Bridge</b>
						X
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	122 m					
<b>Suggestion</b>	The expert opinion strongly recommends route change for the passing of heavy tonnage vehicles from the nearby of the bridge and their directing to other alternative routes.					

**OBSERVATIONS**

Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.



**FINDINGS**

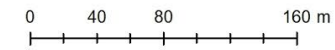


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Medium)



Scale: 1/3.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standart Railway Project

Drawing No : 035

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>53</b>	<b>River</b>	
<b>Name</b>	Arch Culvert 1	<b>Valley</b>	
<b>Province / District</b>	Bandırma	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	586694.36	6		11	4461502.72	16	
2	586701.53	7		12	4461494.45	17	
3	586693.04	8		13	4461485.15	18	
4	586684.71	9		14	4461492.61	19	
5		10		15		20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>					
<b>Early Republic of Turkey</b>	X				

**DESCRIPTIONS**

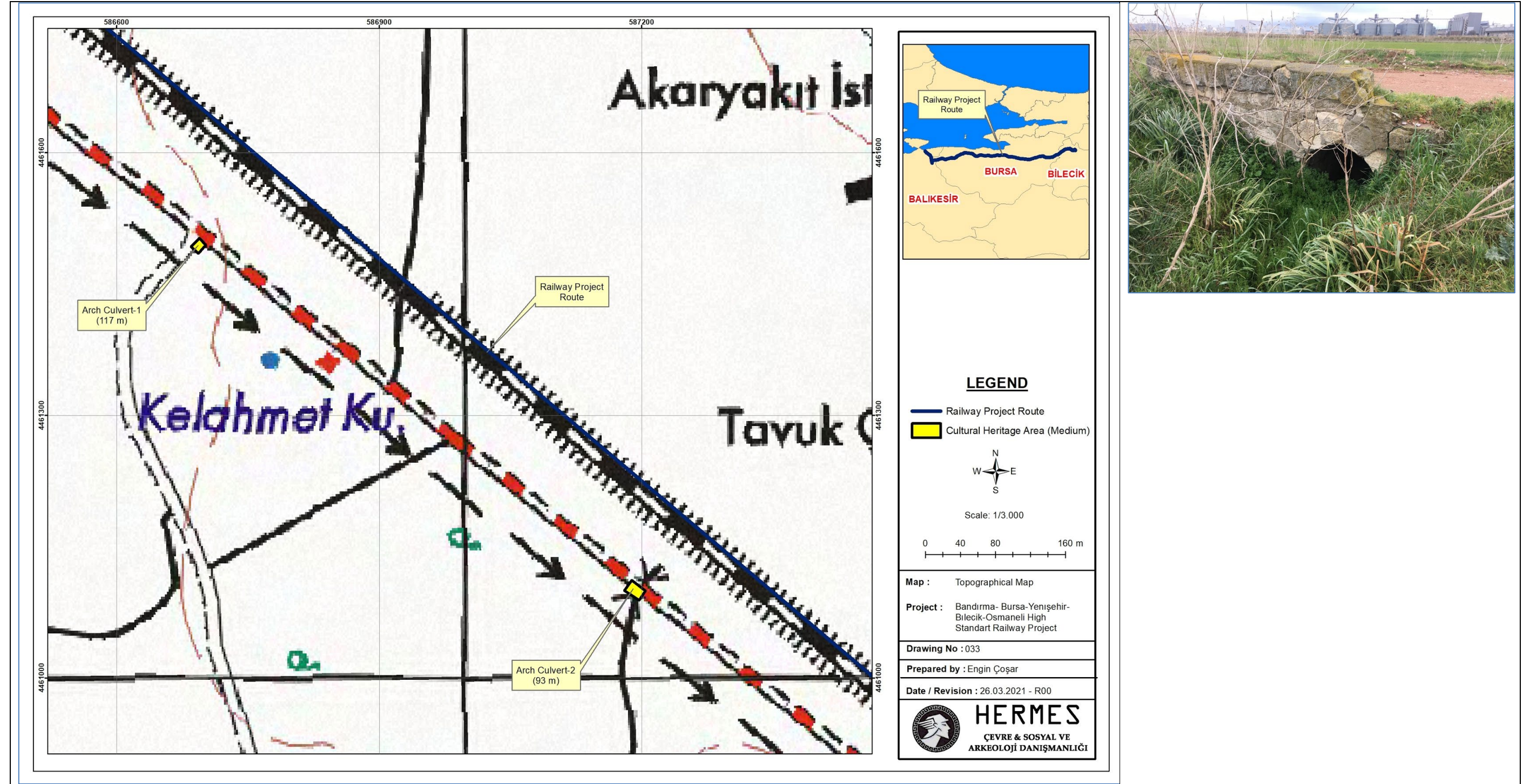
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	<b>Bridge</b>
						X
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	117 m					
<b>Suggestion</b>	The expert opinion strongly recommends route change for the passing of heavy tonnage vehicles from the nearby of the bridge and their directing to other alternative routes.					

**OBSERVATIONS**

Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>54</b>	<b>River</b>	
<b>Name</b>	Arch Culvert 2	<b>Valley</b>	
<b>Province / District</b>	Bandırma	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	587188.51	6		11	4461111.71	16	
2	587203.97	7		12	4461099.35	17	
3	587196.78	8		13	4461088.66	18	
4	587179.95	9		14	4461099.67	19	
5		10		15		20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>					
<b>Early Republic of Turkey</b>	X				

**DESCRIPTIONS**

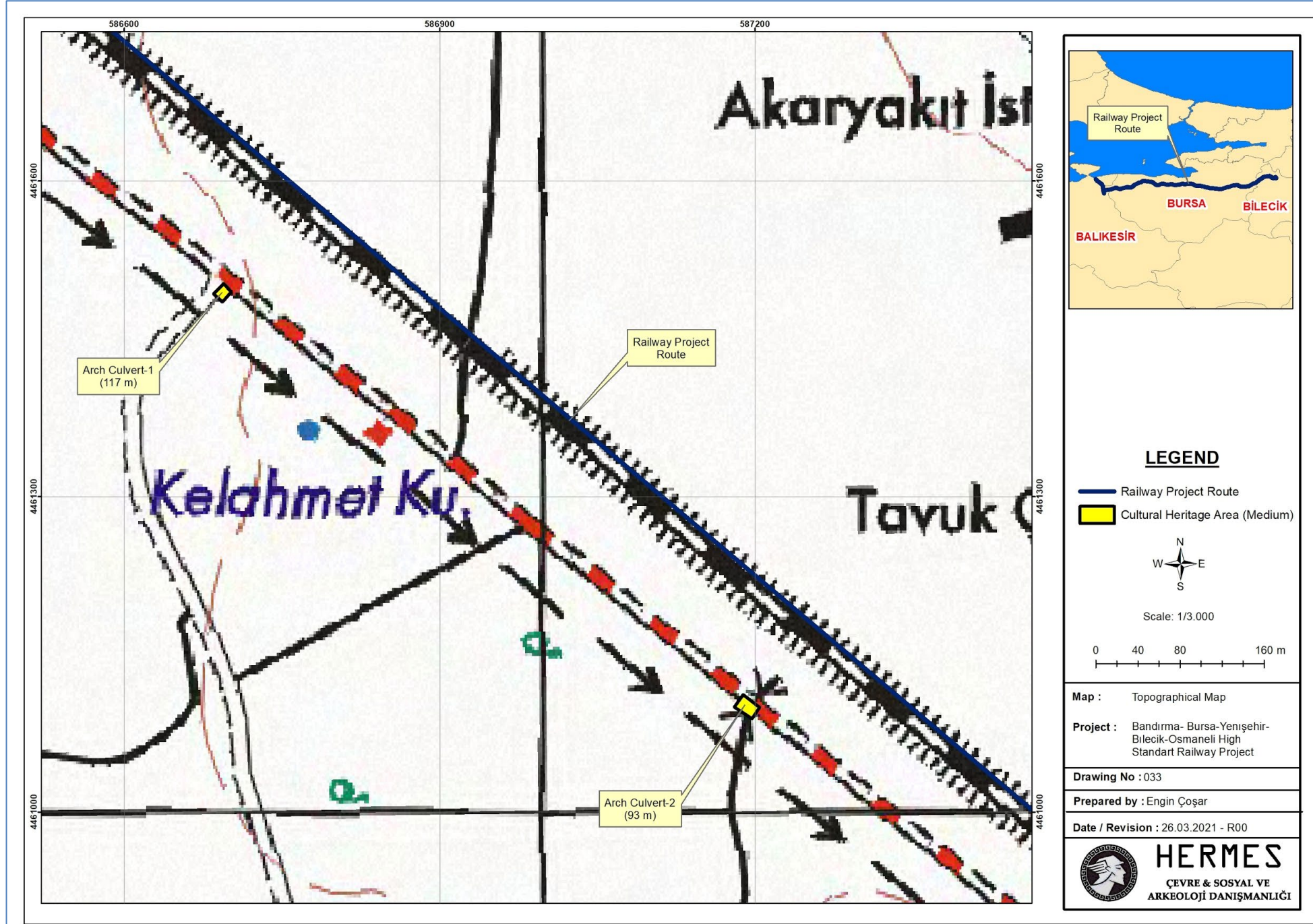
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	<b>Bridge</b>
						X
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	93 m.					
<b>Suggestion</b>	The expert opinion strongly recommends route change for the passing of heavy tonnage vehicles from the nearby of the bridge and their directing to other alternative routes.					

**OBSERVATIONS**

Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>55</b>	<b>River</b>	
<b>Name</b>	Late Ottoman Bridge 4	<b>Valley</b>	
<b>Province / District</b>	Bandırma	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	587900.72	6		11	4460535.43	16	
2	587914.2	7		12	4460525.07	17	
3	587906.74	8		13	4460516.53	18	
4	587894.44	9		14	4460528.11	19	
5		10		15		20	

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>					
<b>Early Republic of Turkey</b>	X				

**DESCRIPTIONS**

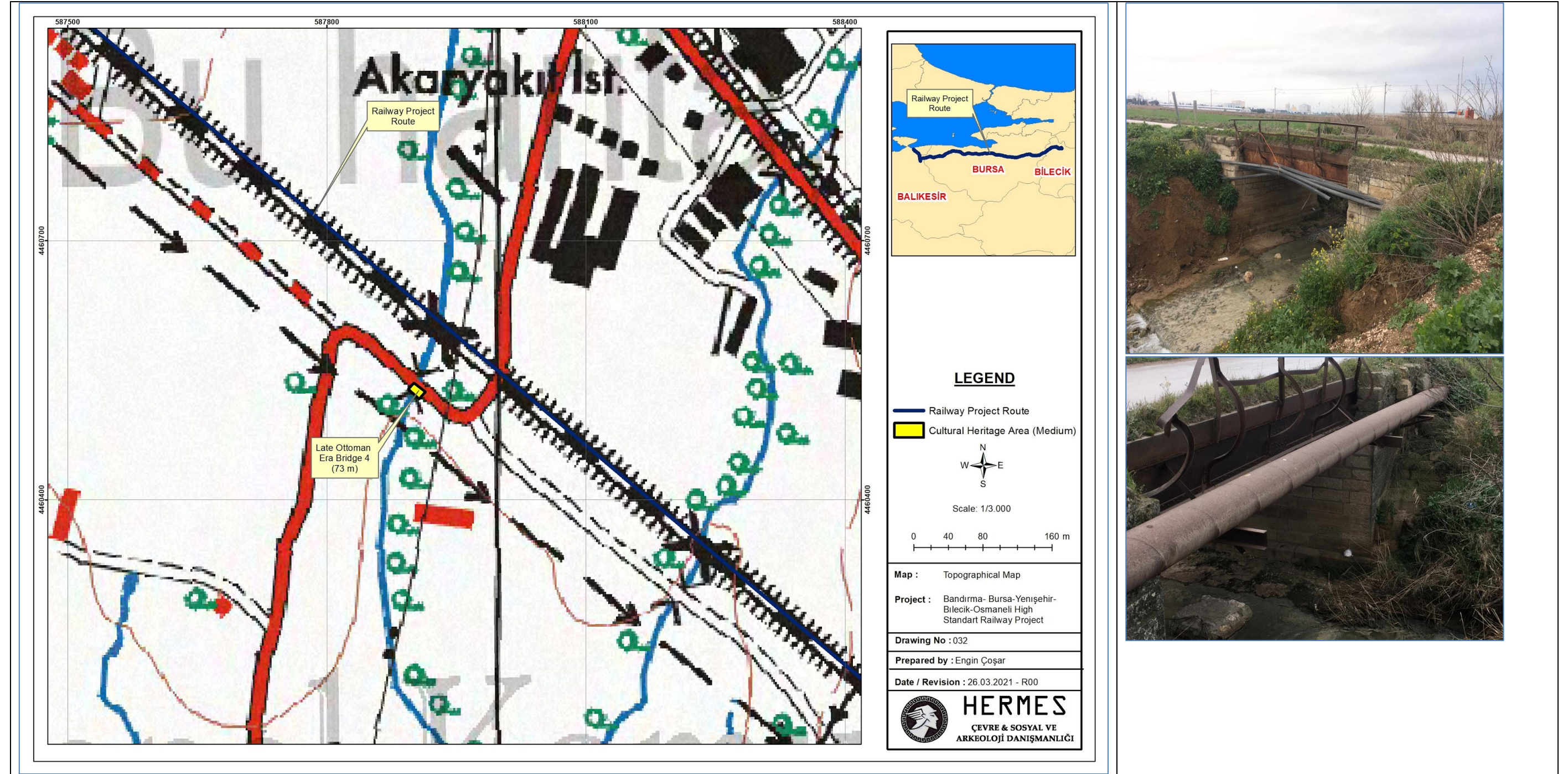
<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	<b>Bridge</b>
						X
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	73 m.					
<b>Suggestion</b>	As the structure is strengthened with the addition of steel constructions it could be used for transportation. The expert opinion strongly recommends route change for the passing of heavy tonnage vehicles from the nearby of the bridge and their directing to other alternative routes.					

**OBSERVATIONS**

Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.:



**FINDINGS**





**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

HRM-FORM-1/1

**SITE DESCRIPTION FORM****LOCATION****GEOGRAPHICAL LOCATION**

<b>Form No</b>	<b>56</b>	<b>River</b>	
<b>Name</b>	Doğruca Hilltop Settlement	<b>Valley</b>	
<b>Province / District</b>	Bandırma	<b>Mountain</b>	
<b>Neighborhood</b>		<b>Lowland</b>	

**COORDINATES (ED50 6 Derece UTM Zone 35)**

<b>X</b>				<b>Y</b>			
1	589315.55	6	589296.22	11	4458999.4	16	4458787.14
2	589355.00	7	589242.58	12	4458967.32	17	4458917.91
3	589392.72	8	589247.89	13	4458893.83	18	4458960.12
4	589386.5	9	589261.06	14	4458862.63	19	4458988.71
5	589352.85	10	589287.21	15	4458822.86	20	4459015.71

<b>ERA</b>		<b>FINDING TYPES</b>		<b>Dimension/ Direction</b>	
		Ceramic	Small Findings	N-S	
<b>Chalcolithic</b>				E-W	
<b>Bronze Age</b>				<b>Measuring Range</b>	
<b>Hellenistical Age</b>					
<b>Roman</b>					
<b>Byzantium/ Ottoman</b>	X	X			
<b>Early Republic of Turkey</b>					

**DESCRIPTIONS**

<b>Topographical Features</b>						
<b>Architectural Features</b>						
<b>Type</b>	<b>Castle</b>	<b>City</b>	<b>Plain Settlement</b>	<b>Mound</b>	<b>Cemetery</b>	<b>Bridge</b>
<b>Location</b>	<b>Hilltop</b>	<b>Slope</b>	<b>Foothill</b>	<b>Lowland</b>	<b>Shore</b>	
	X					
	<b>Ravine</b>	<b>Waterfront</b>	<b>Farming Area</b>	<b>Mineral Resource</b>		
<b>Distance to Route</b>	10 m					
<b>Suggestion</b>	Test pits should be carried out under the supervision of museum directorate.					

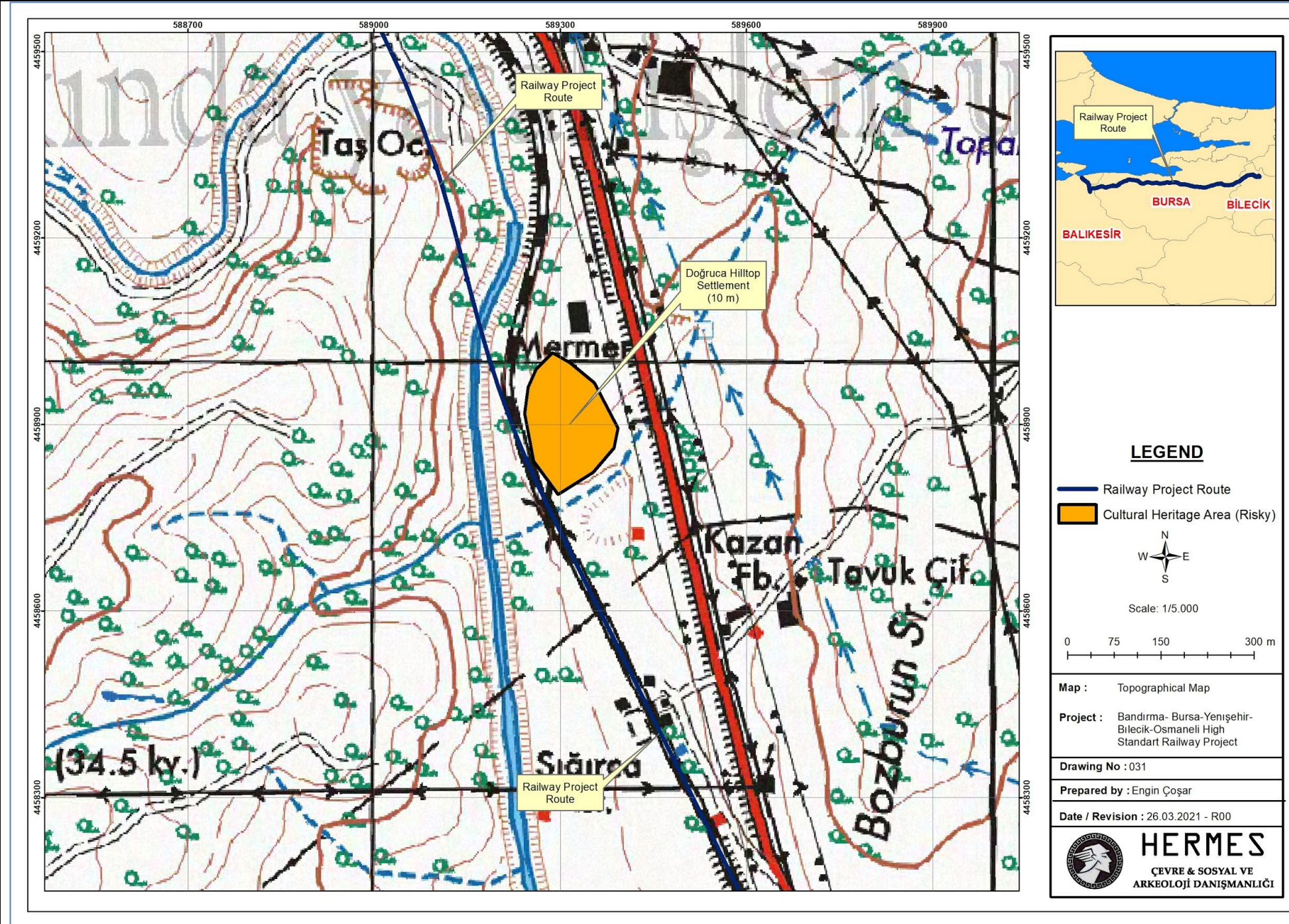
**OBSERVATIONS**

As the archaeological area lies 10 m towards the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor.





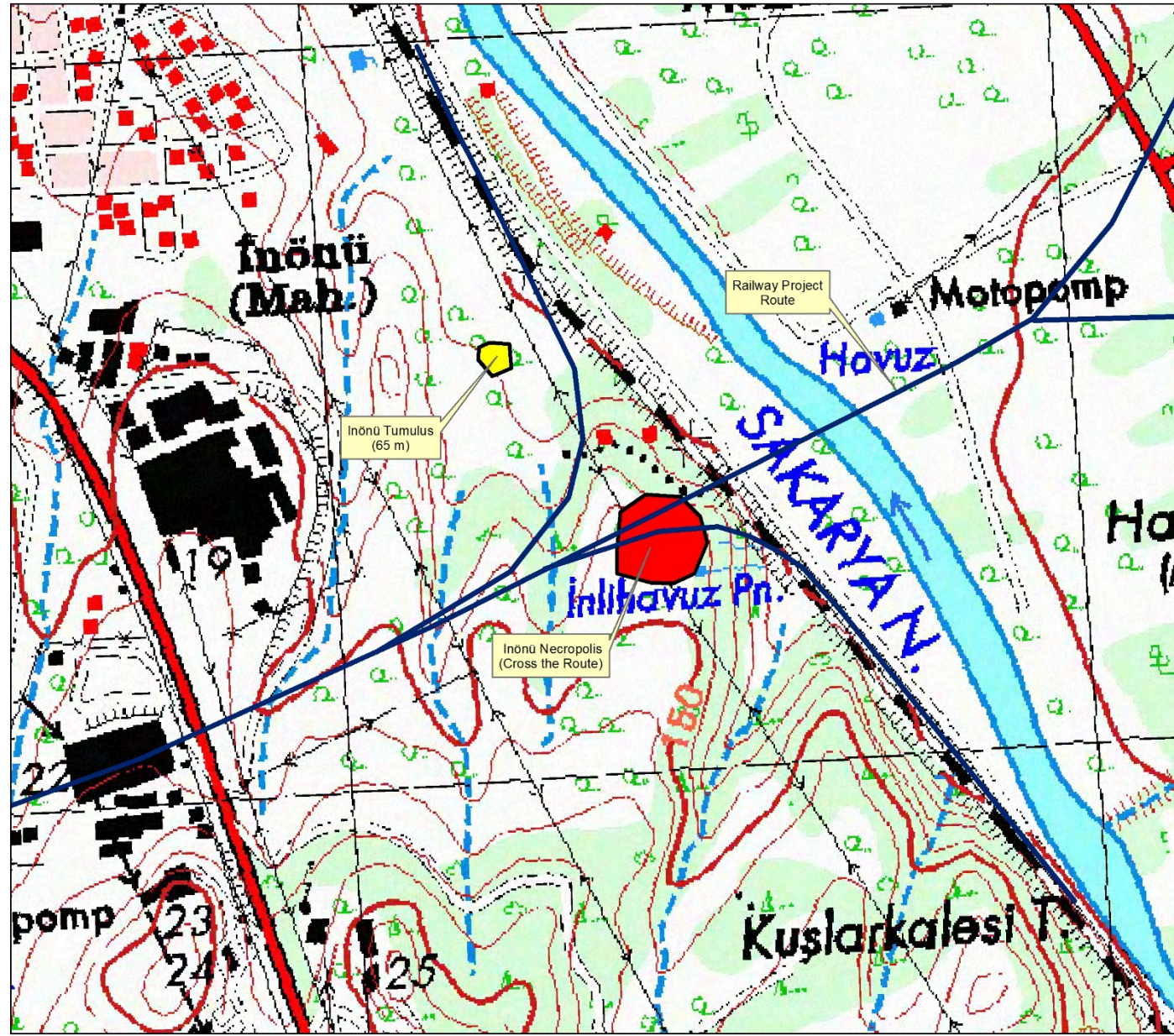
## FINDINGS





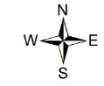


Form No: 1



**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Medium)
- Cultural Heritage Area (High Risk)



Scale: 1/5,000

0 75 150 300 m

Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 002

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	İnönü Necropolis
Province / District	Bilecik-Osmaneli
Neighborhood	İnönü Mah.

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

3	Medium	Designated or undesignated assets that can contribute significantly to regional research objectives.
---	--------	------------------------------------------------------------------------------------------------------

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

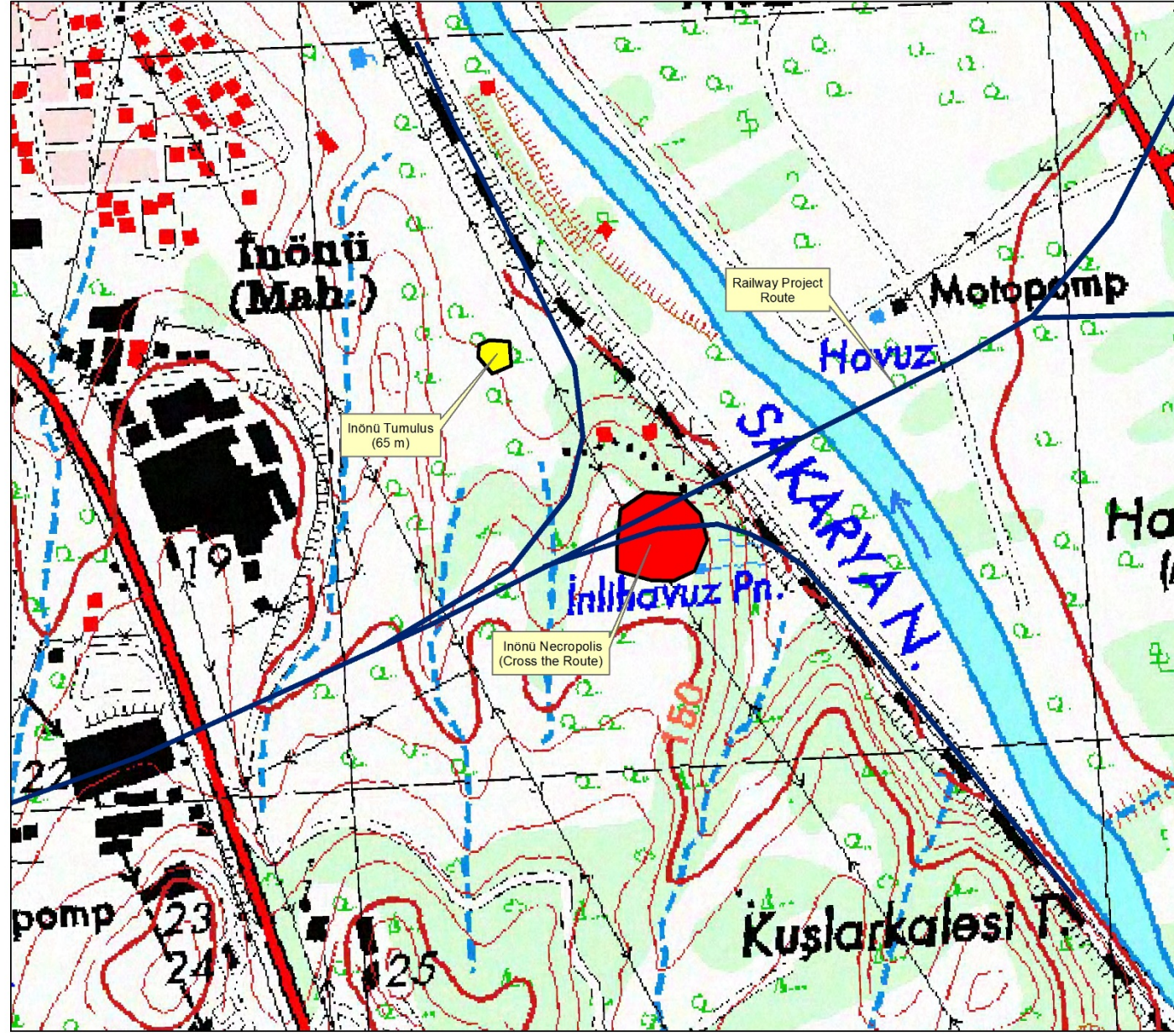
Minor	Changes to key archaeological materials, such that the resource is slightly altered.	
-------	--------------------------------------------------------------------------------------	--

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 2

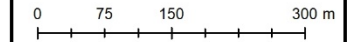


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Medium)
- Cultural Heritage Area (High Risk)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 002

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	İnönü Tumulus
Province / District	Bilecik-Osmaneli
Neighborhood	İnönü Mah.

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

2	Low	Assets compromised by poor preservation and/or poor survival of contextual associations.
---	-----	------------------------------------------------------------------------------------------

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

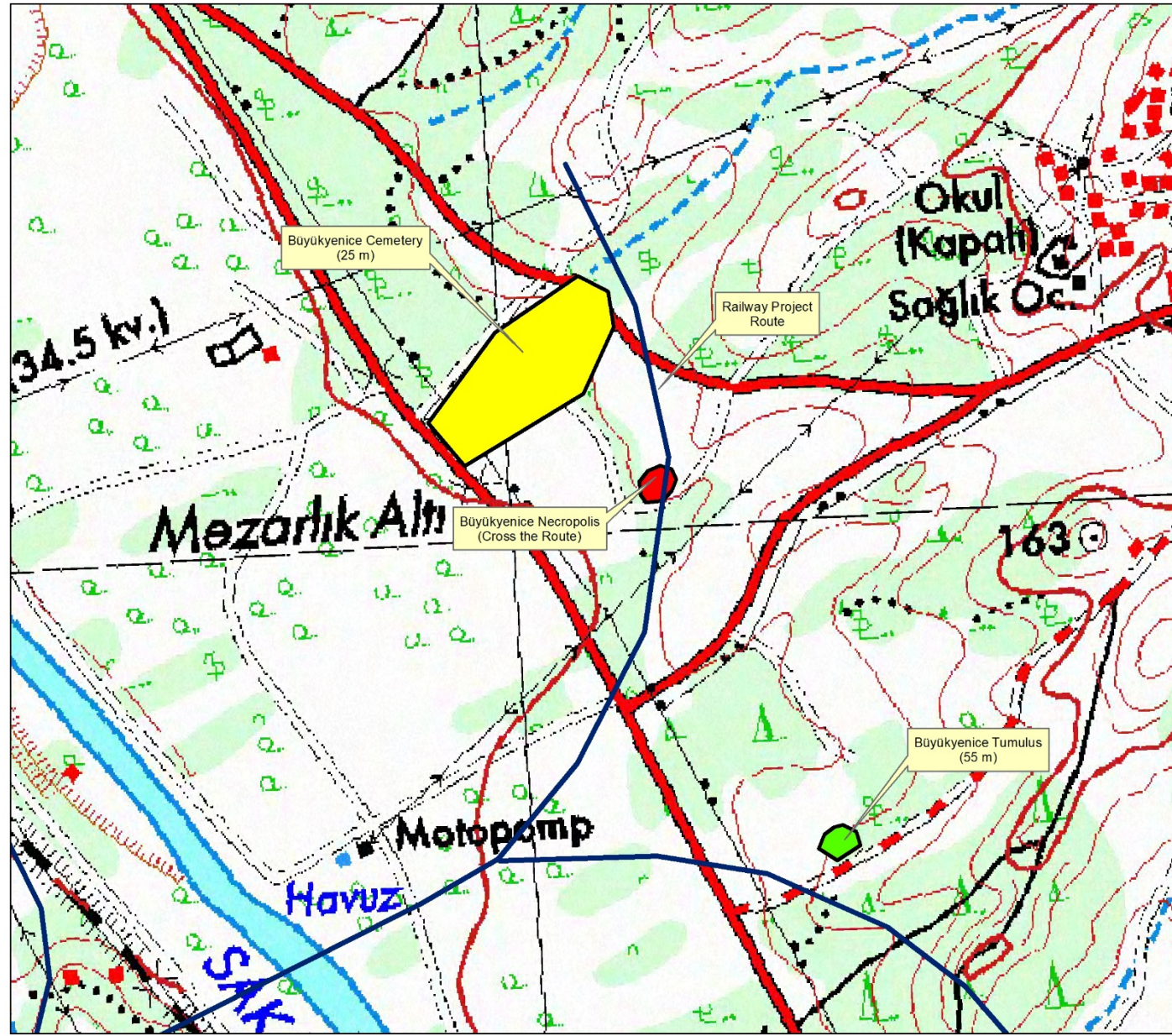
No change	No change	
-----------	-----------	--

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)



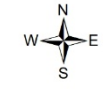


Form No: 3

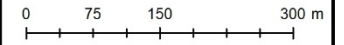


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Low)
- Cultural Heritage Area (Medium)
- Cultural Heritage Area (High Risk)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 001

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Büyükyenice Cemetery
Province / District	Bilecik-Osmaneli
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

2	Low	Designated or undesignated assets of local importance.

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

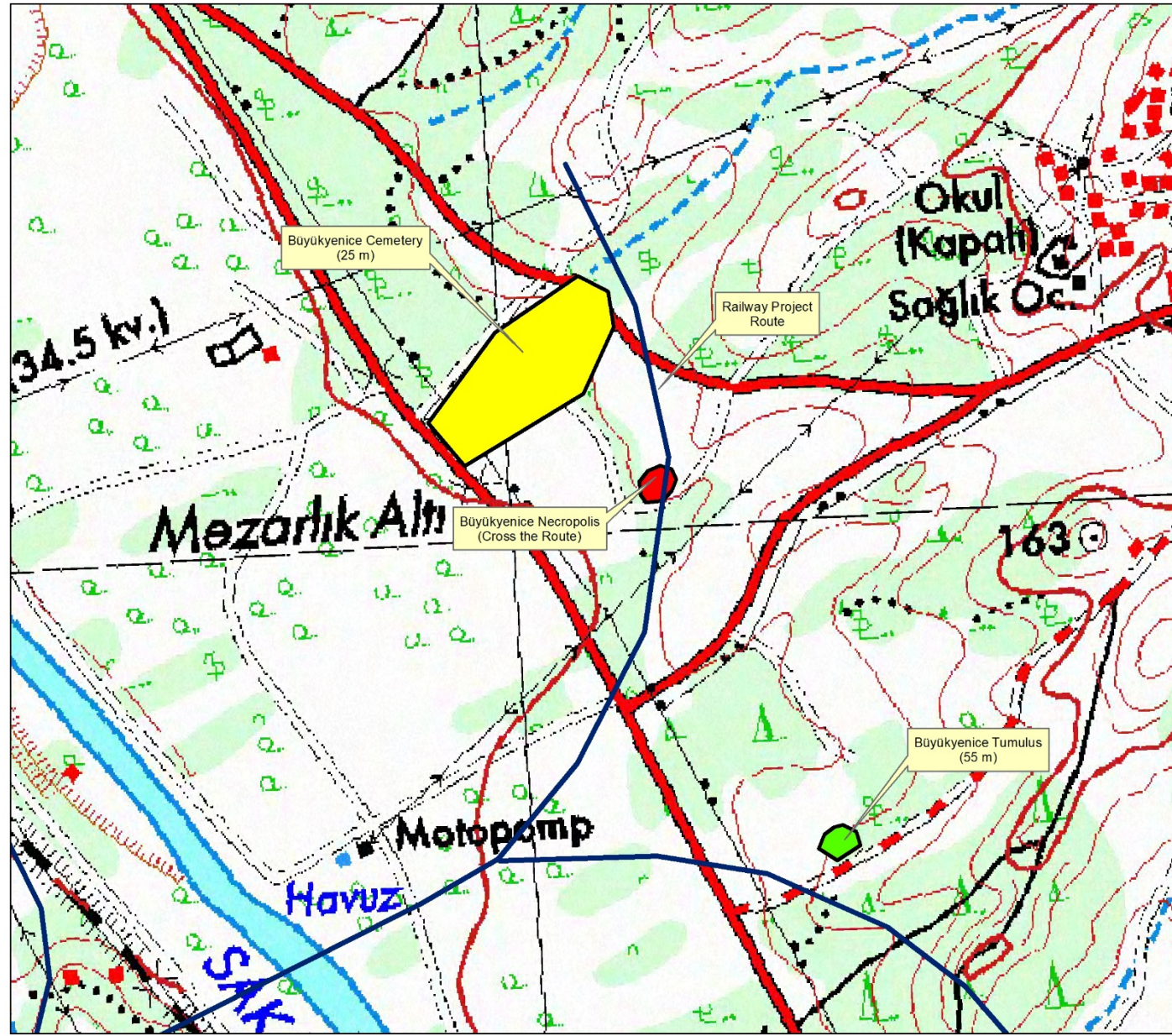
No change	No change	

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)



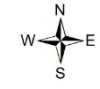


Form No: 4

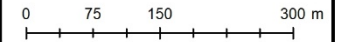


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Low)
- Cultural Heritage Area (Medium)
- Cultural Heritage Area (High Risk)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 001

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Büyükyenice Necropolis
Province / District	Bilecik-Osmaneli
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

2	Low	Designated or undesignated assets of local importance.
---	-----	--------------------------------------------------------

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

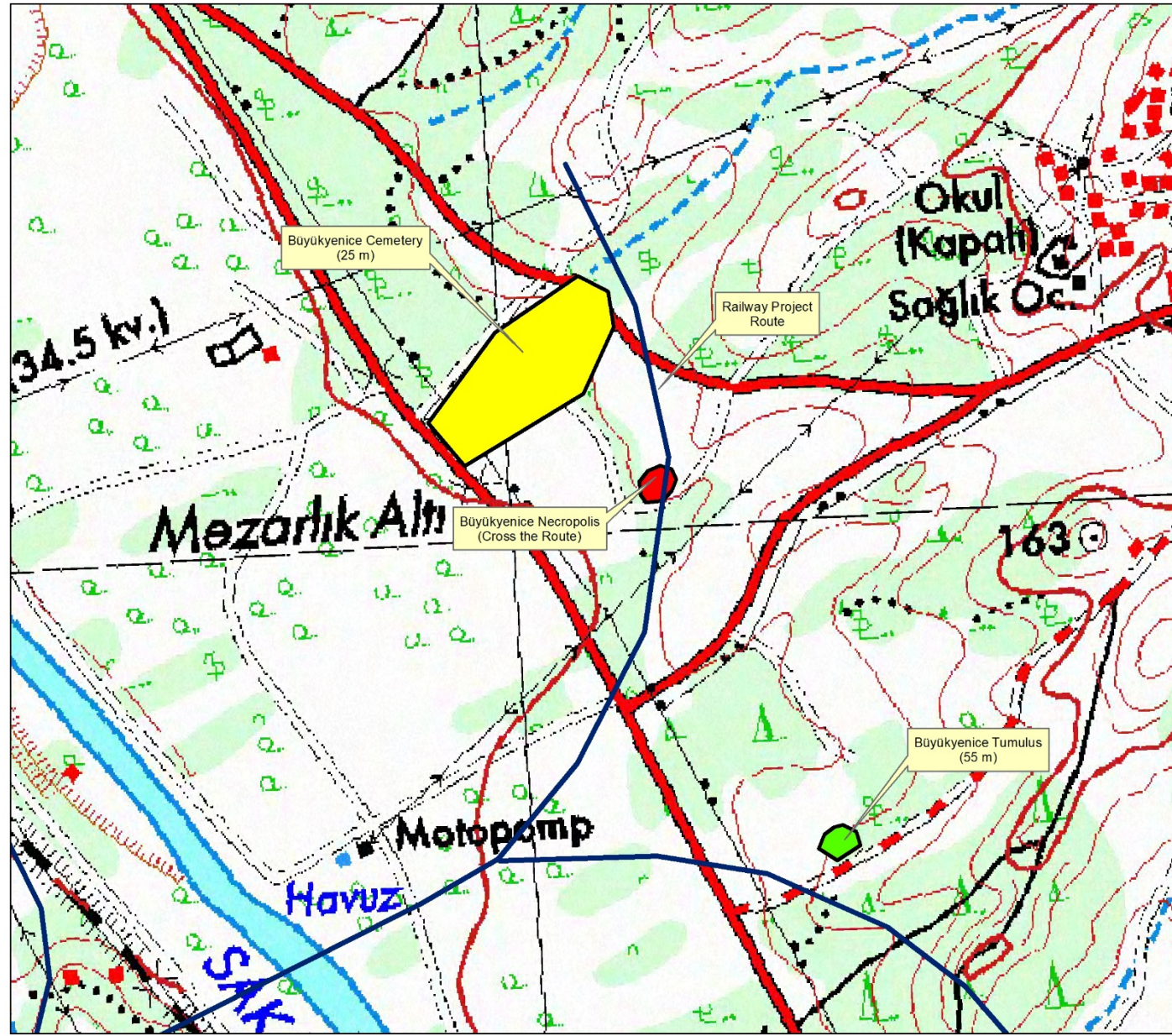
Negligible	Very minor changes to key archaeological materials, or setting.
------------	-----------------------------------------------------------------

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)



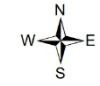


Form No: 5

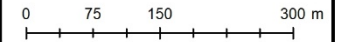


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Low)
- Cultural Heritage Area (Medium)
- Cultural Heritage Area (High Risk)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 001

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Büyükyenice Tümülüs
Province / District	Bilecik-Osmaneli
Neighborhood	Büyükyenice Mah.

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

3	Medium	Designated or undesignated assets that can contribute significantly to regional research objectives.
---	--------	------------------------------------------------------------------------------------------------------

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

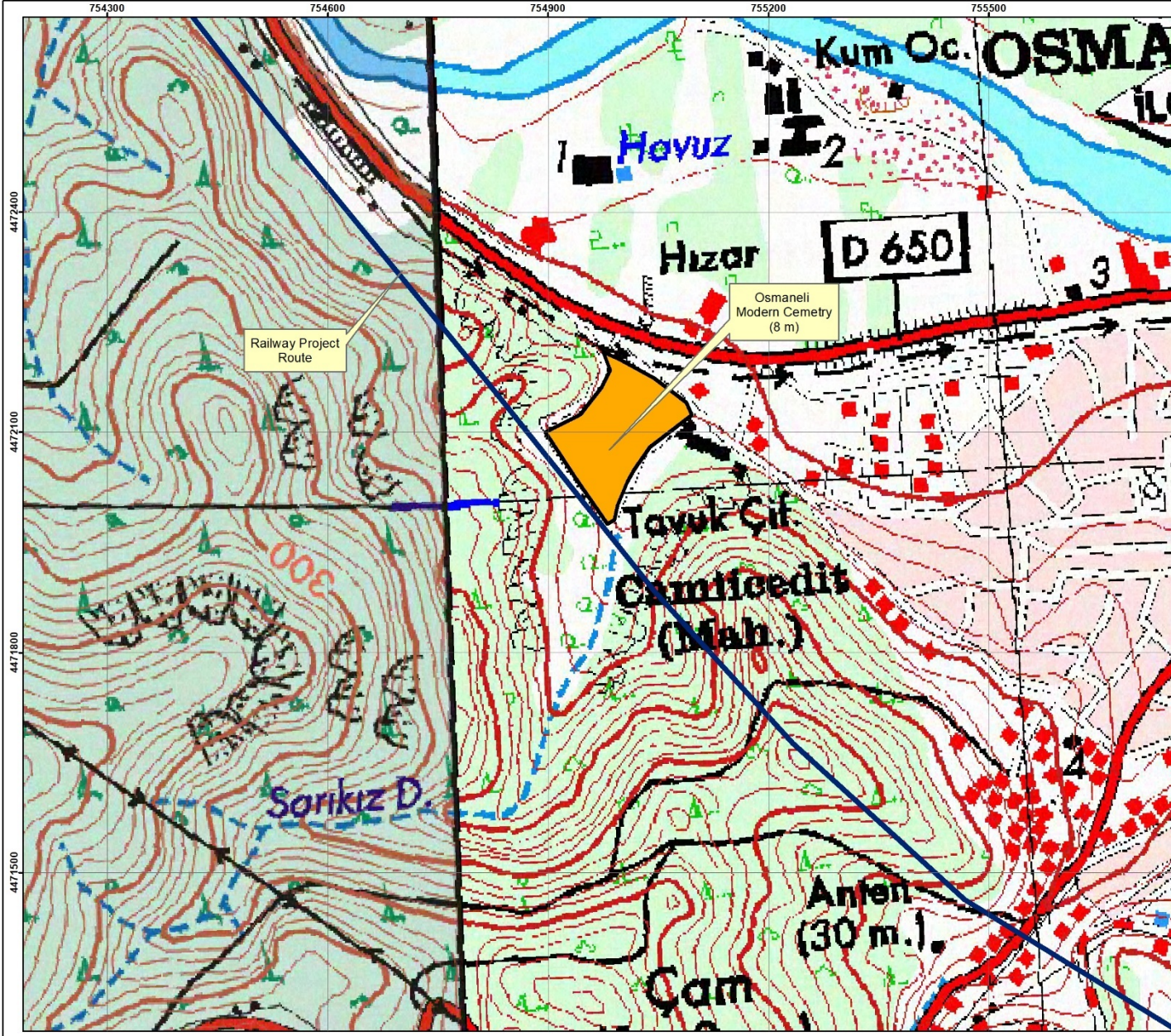
No change	No change
-----------	-----------

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)



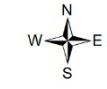


Form No: 6

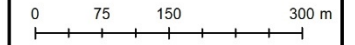


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Risky)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 003

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Osmaneli İlçe Mezarlığı
Province / District	Bilecik-Osmaneli
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

2	Low	Designated or undesignated assets of local importance.
---	-----	--------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

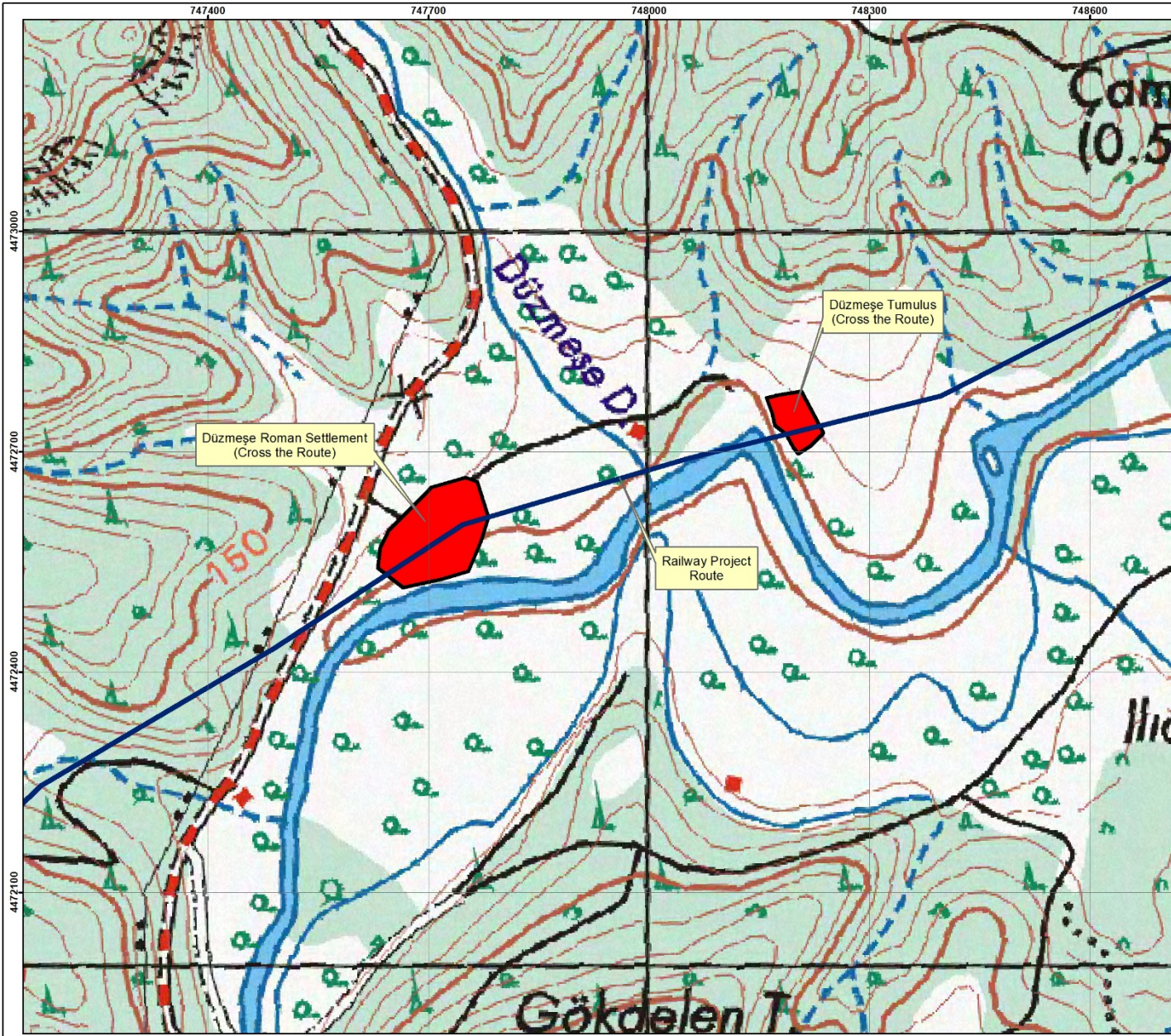
No change	No change	
-----------	-----------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 7

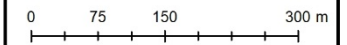


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (High Risk)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 004

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Düzmeşe Roman Settlement
Province / District	Bilecik
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

3	Medium	Designated or undesignated assets that can contribute significantly to regional research objectives.
---	--------	------------------------------------------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

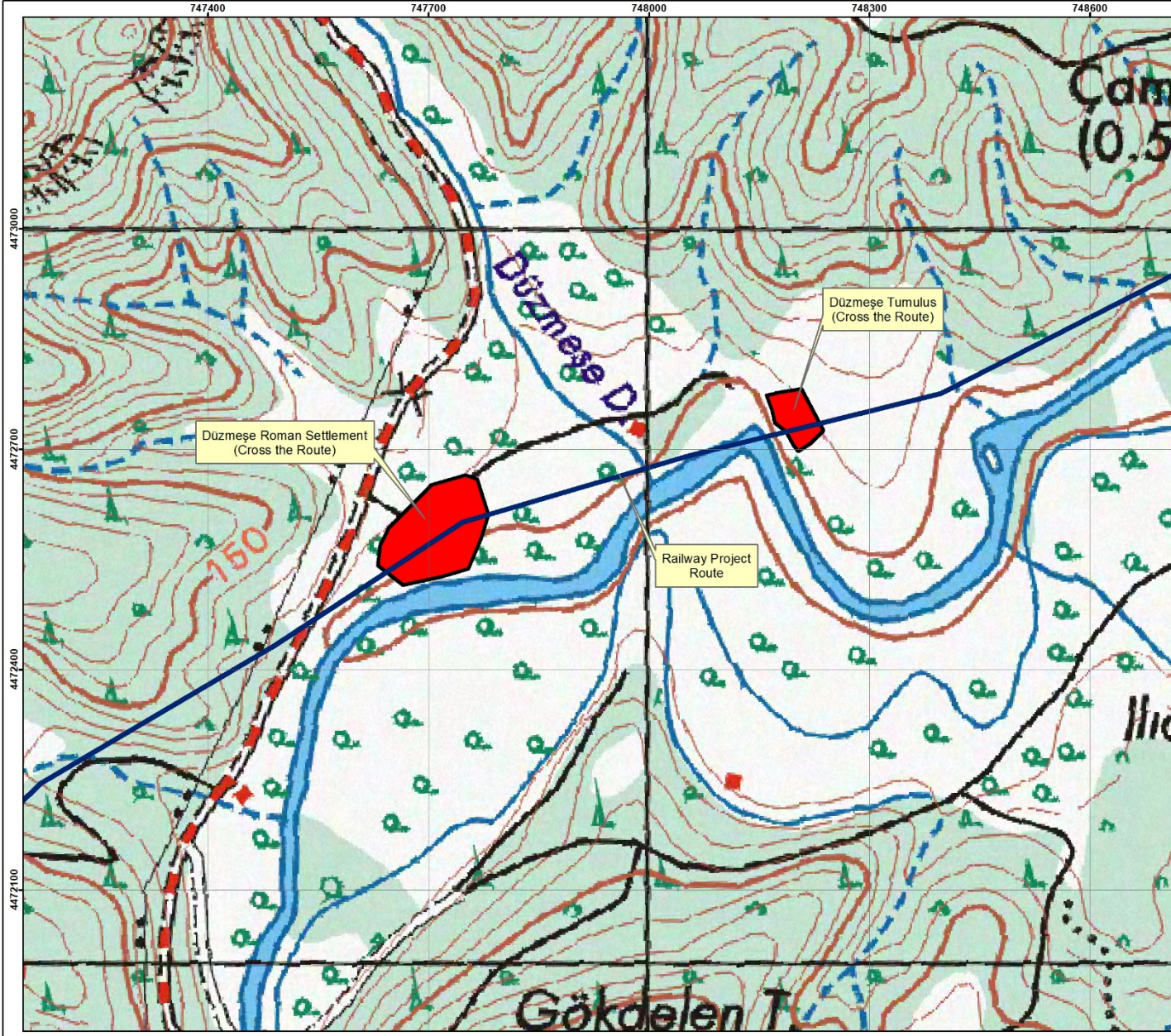
Minor	Changes to key archaeological materials, such that the resource is slightly altered.	
-------	--------------------------------------------------------------------------------------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 8

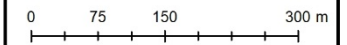


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (High Risk)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 004

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Düzmeşe Tumulus
Province / District	Bilecik
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

4	High	Undesignated sites of the quality and importance to be designated
---	------	-------------------------------------------------------------------

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

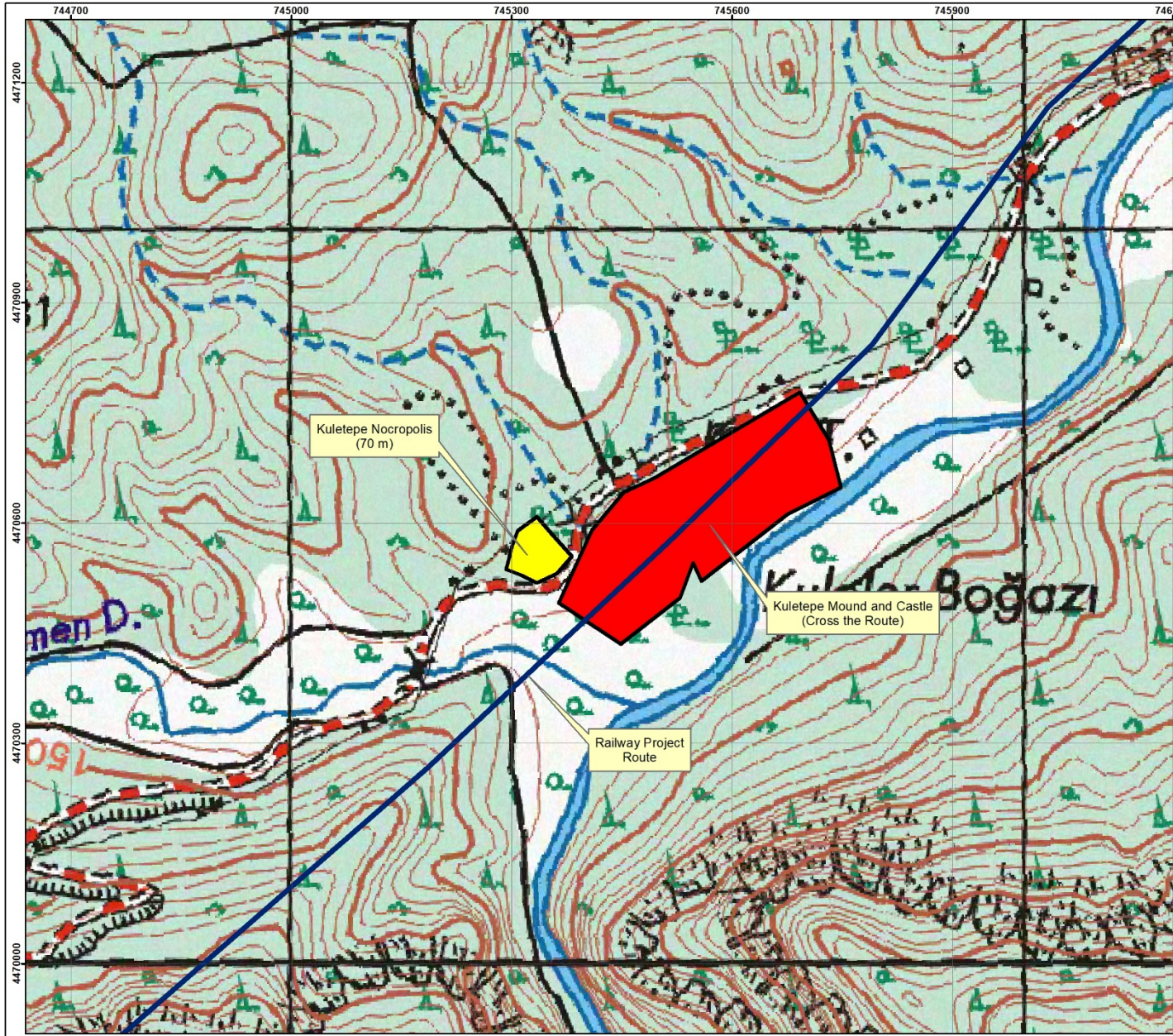
Minor	Changes to key archaeological materials, such that the resource is slightly altered.	
-------	--------------------------------------------------------------------------------------	--

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 9

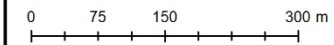


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Medium)
- Cultural Heritage Area (High Risk)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 005

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Kuletepe Mound and Castle
Province / District	Bilecik
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

4	High	Nationally-designated Archaeological Monuments protected by the State Party's laws
---	------	------------------------------------------------------------------------------------

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

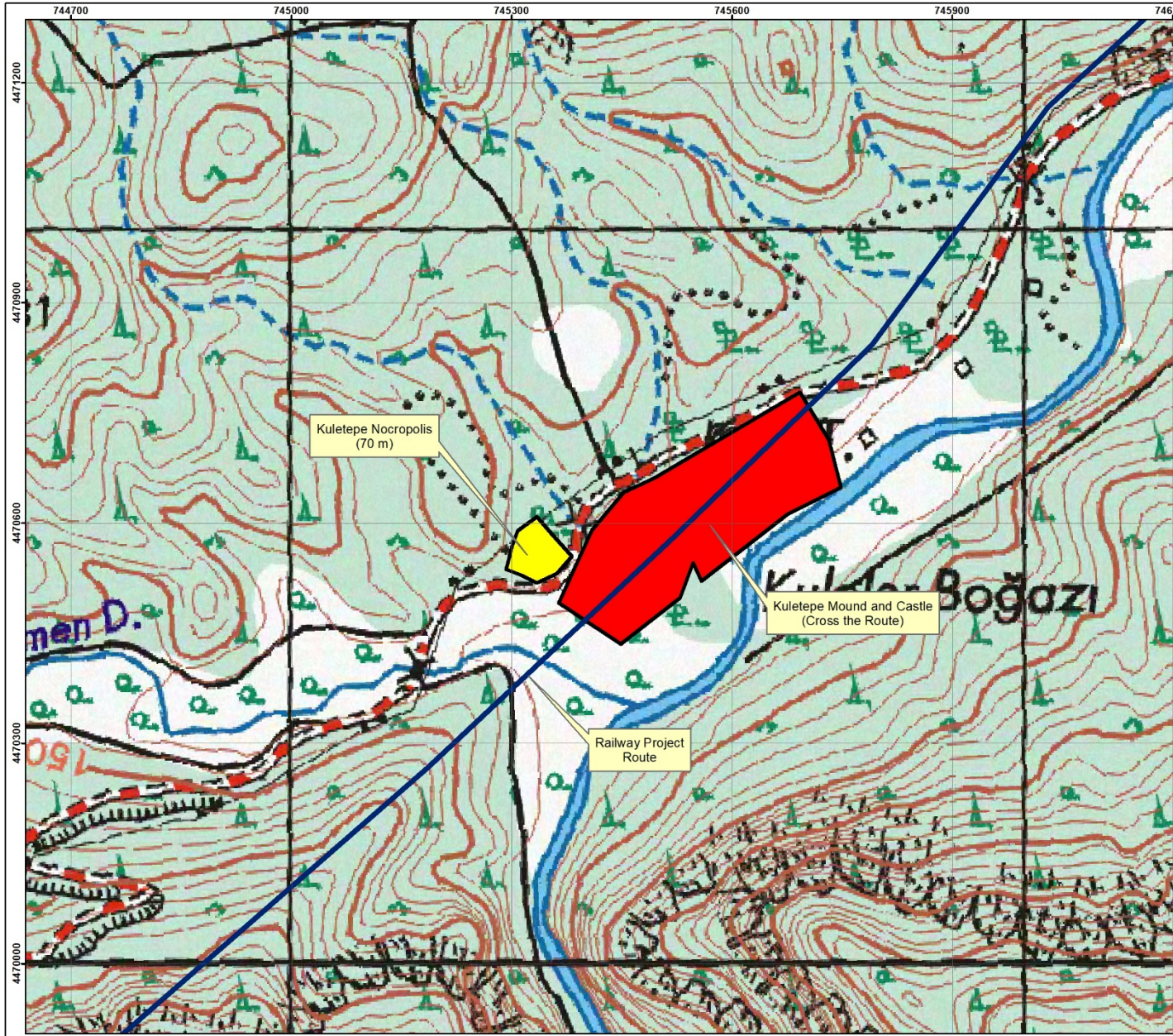
Moderate	Changes to many key archaeological materials, such that the resource is clearly modified.	
----------	-------------------------------------------------------------------------------------------	--

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 10

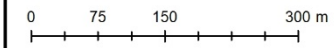


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Medium)
- Cultural Heritage Area (High Risk)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 005

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

<b>Name</b>	Kuletepe Necropolis
<b>Province / District</b>	Bilecik
<b>Neighborhood</b>	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

3	Medium	Designated or undesignated assets that can contribute significantly to regional research objectives.
---	--------	------------------------------------------------------------------------------------------------------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

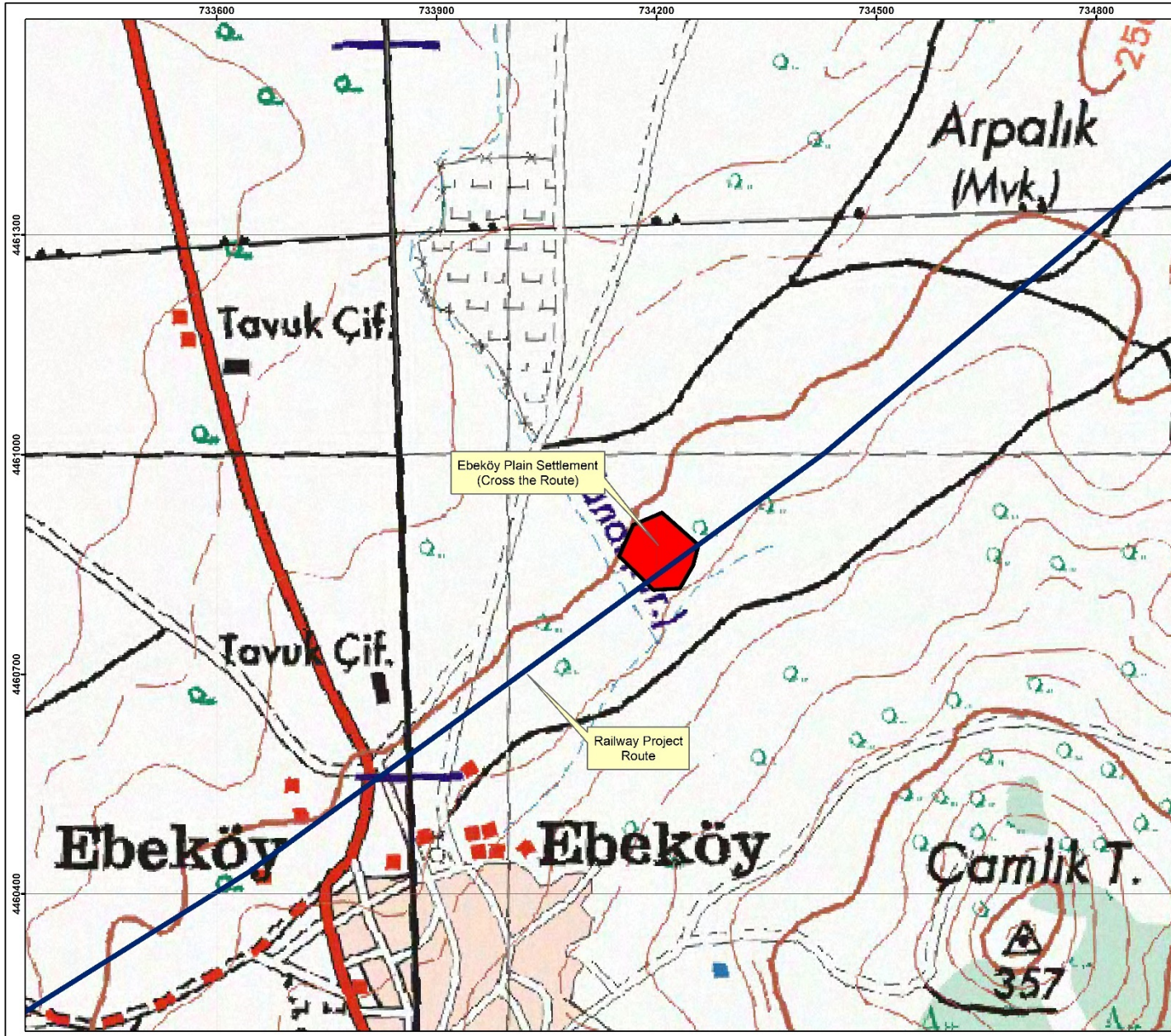
No change	No change	
-----------	-----------	--

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)



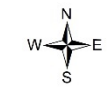


Form No: 11



**LEGEND**

— Railway Project Route  
■ Cultural Heritage Area (High Risk)



Scale: 1/5.000

0 75 150 300 m

Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 006

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Ebeköy Plain Settlement
Province / District	Bursa-Yenişehir
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

2	Low	Assets of limited value, but with potential to contribute to local research objectives.
---	-----	-----------------------------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

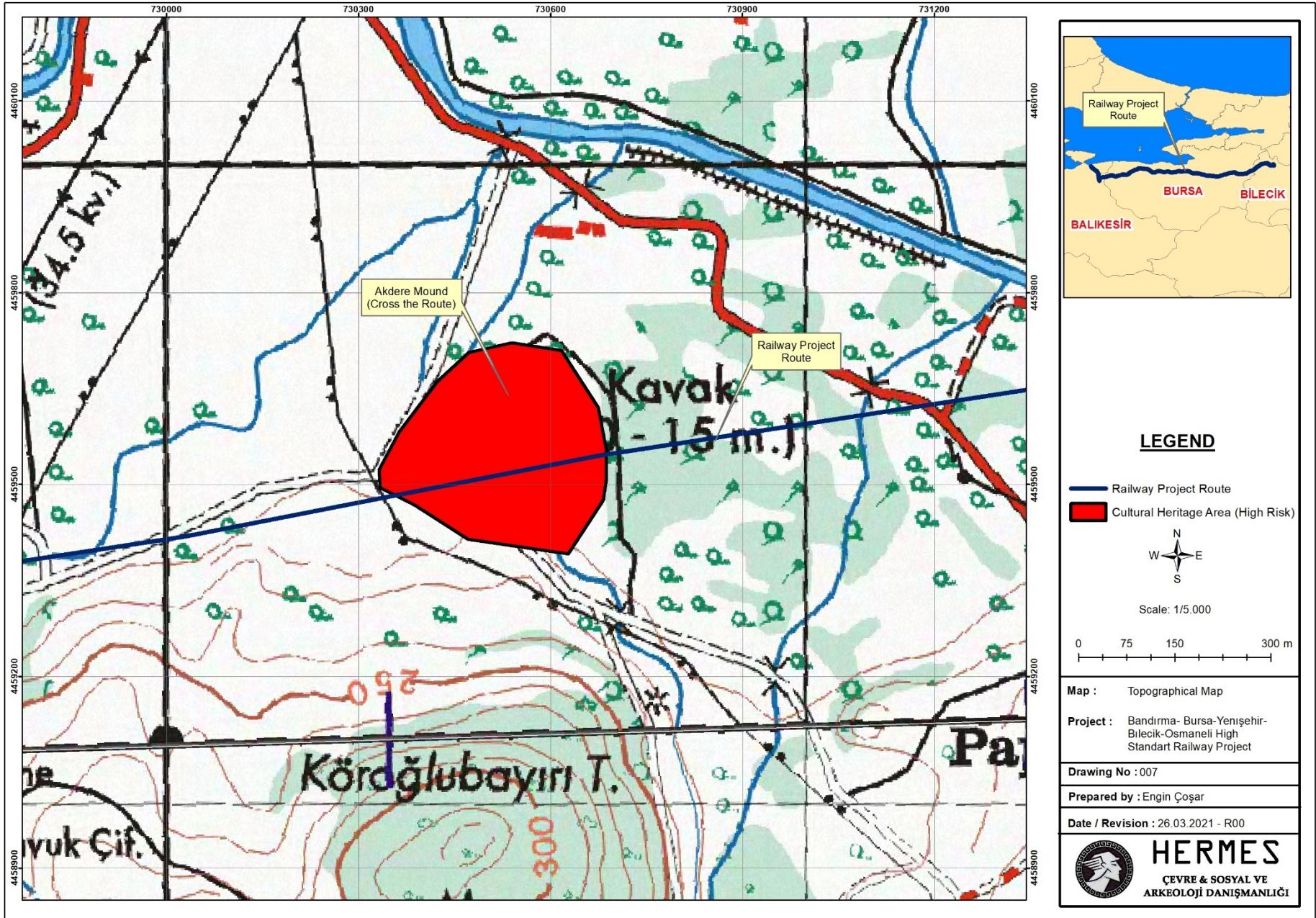
Negligible	Very minor changes to key archaeological materials, or setting.
------------	-----------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 12



Name	Akdere Mound
Province / District	Bursa-Yenişehir
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

4	High	Undesignated sites of the quality and importance to be designated
---	------	-------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

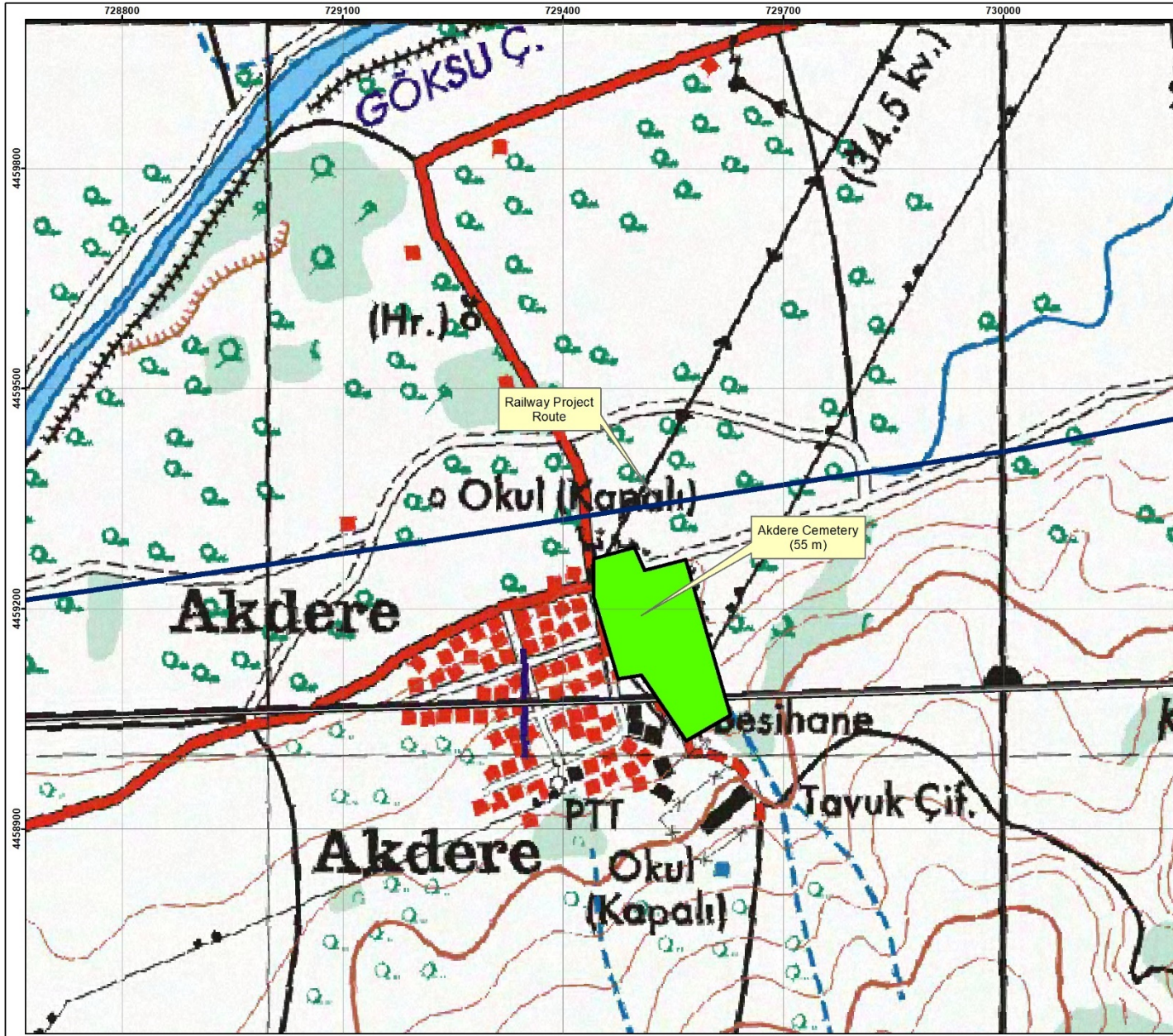
Moderate	Changes to many key archaeological materials, such that the resource is clearly modified.	
----------	-------------------------------------------------------------------------------------------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)



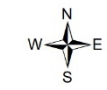


Form No: 13

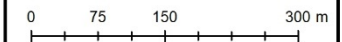


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Low)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 008

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Akdere Cemetery
Province / District	Bursa
Neighborhood	Akdere Mahallesi

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

2	Low	Designated or undesignated assets of local importance.
---	-----	--------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

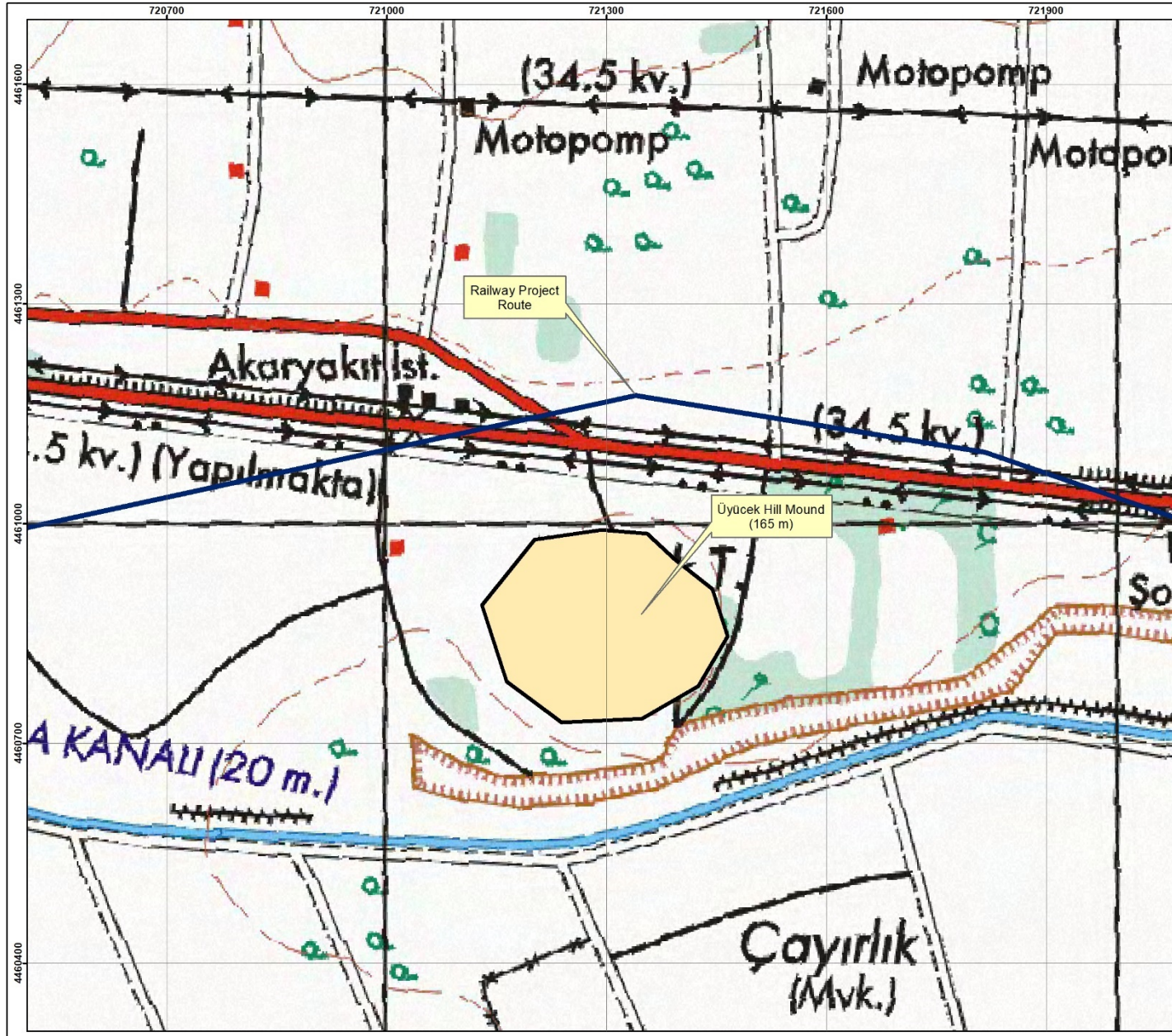
No change	No change
-----------	-----------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)



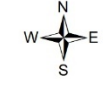


Form No: 14

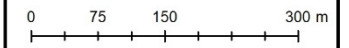


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (No Effect)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 009

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Üyücek Hill Mound
Province / District	Bursa-Yenişehir
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

4	High	Undesignated sites of the quality and importance to be designated
---	------	-------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

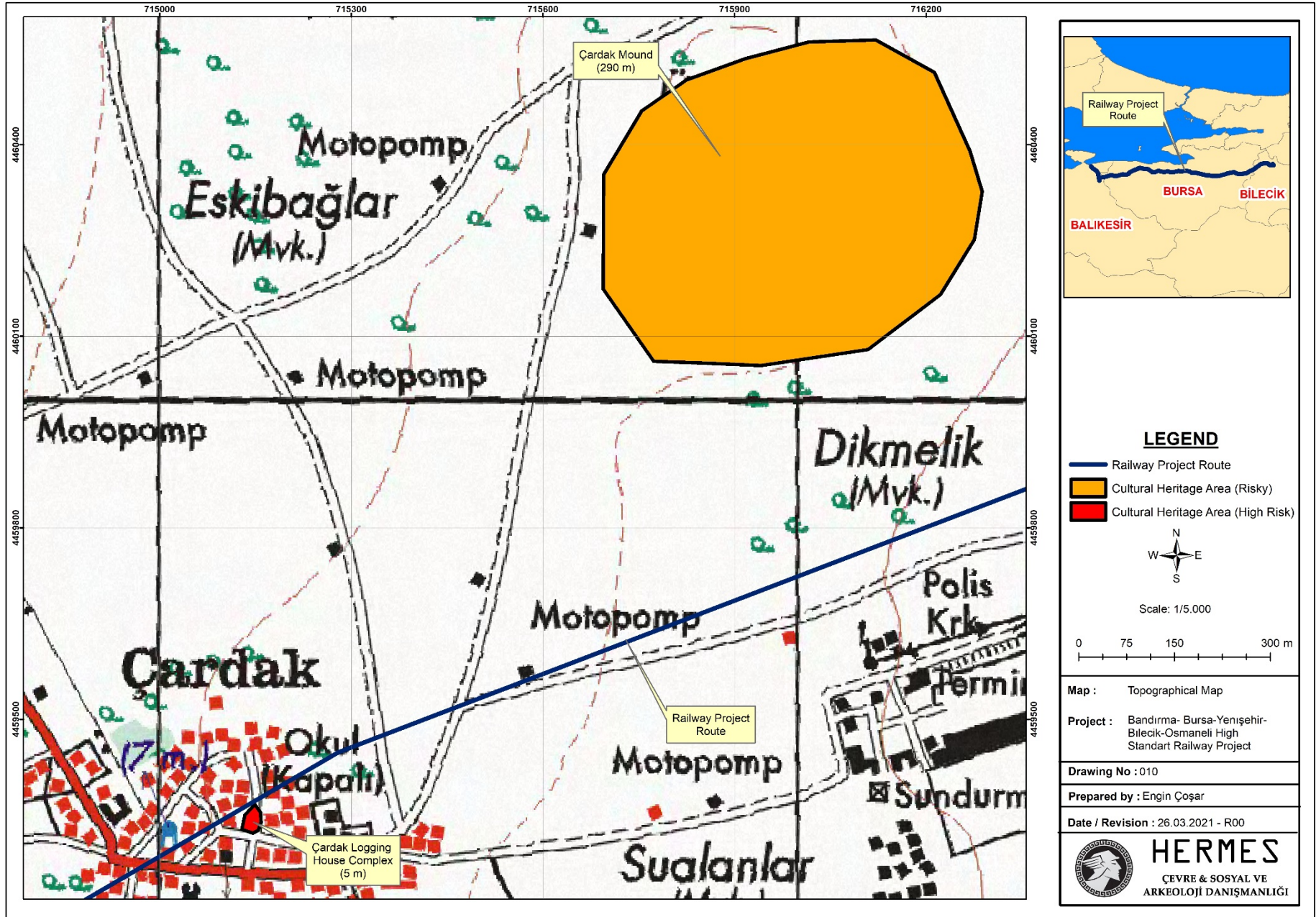
No change	No change	
-----------	-----------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 15



Name	Çardak Mound
Province / District	Bursa-Yenişehir
Neighborhood	Karacaali Köyü

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

4	High	Undesignated sites of the quality and importance to be designated
---	------	-------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

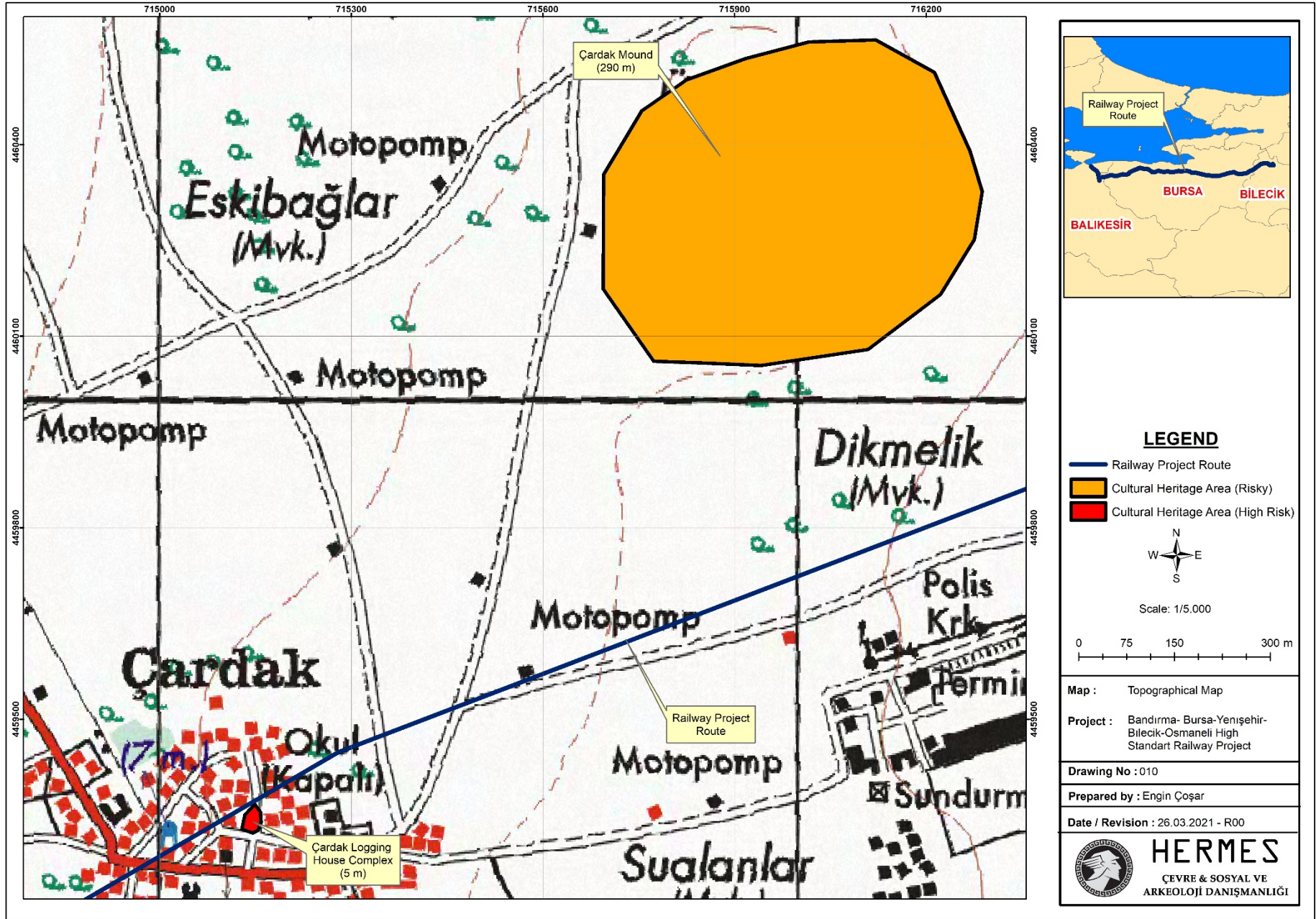
No change	No change
-----------	-----------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 16



Name	Çardak Logging House Complex
Province / District	Bursa-Yenişehir
Neighborhood	Çardak Mahallesi

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

2	Low	Assets compromised by poor preservation and/or poor survival of contextual associations.
---	-----	------------------------------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

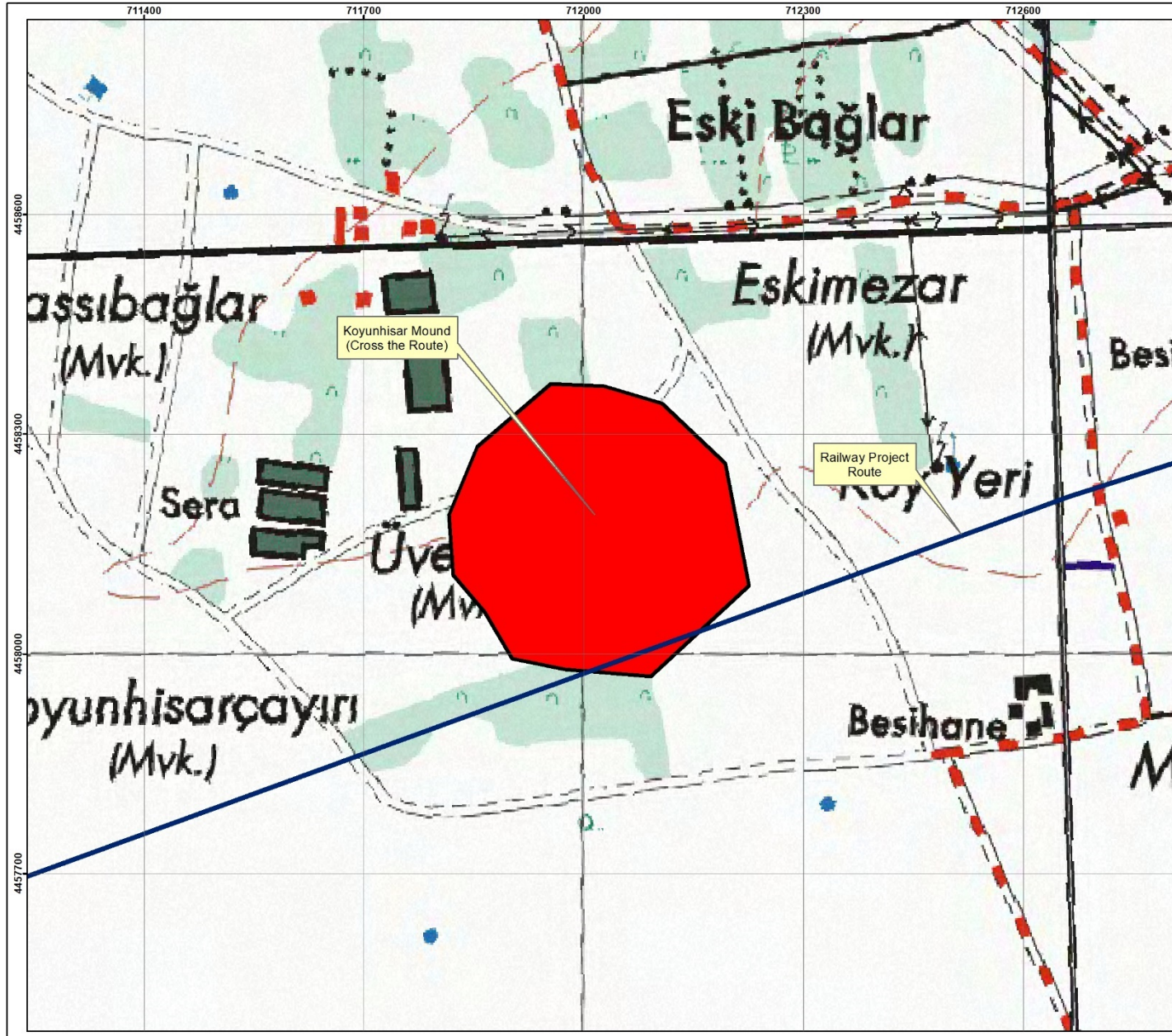
Minor	Changes to key archaeological materials, such that the resource is slightly altered.	
-------	--------------------------------------------------------------------------------------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

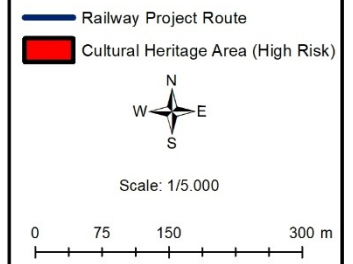




Form No: 17



**LEGEND**



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 011

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Koyunhisar Mound
Province / District	Bursa
Neighborhood	Koyunhisar Köyü

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

4	High	Nationally-designated Archaeological Monuments protected by the State Party's laws
---	------	------------------------------------------------------------------------------------

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

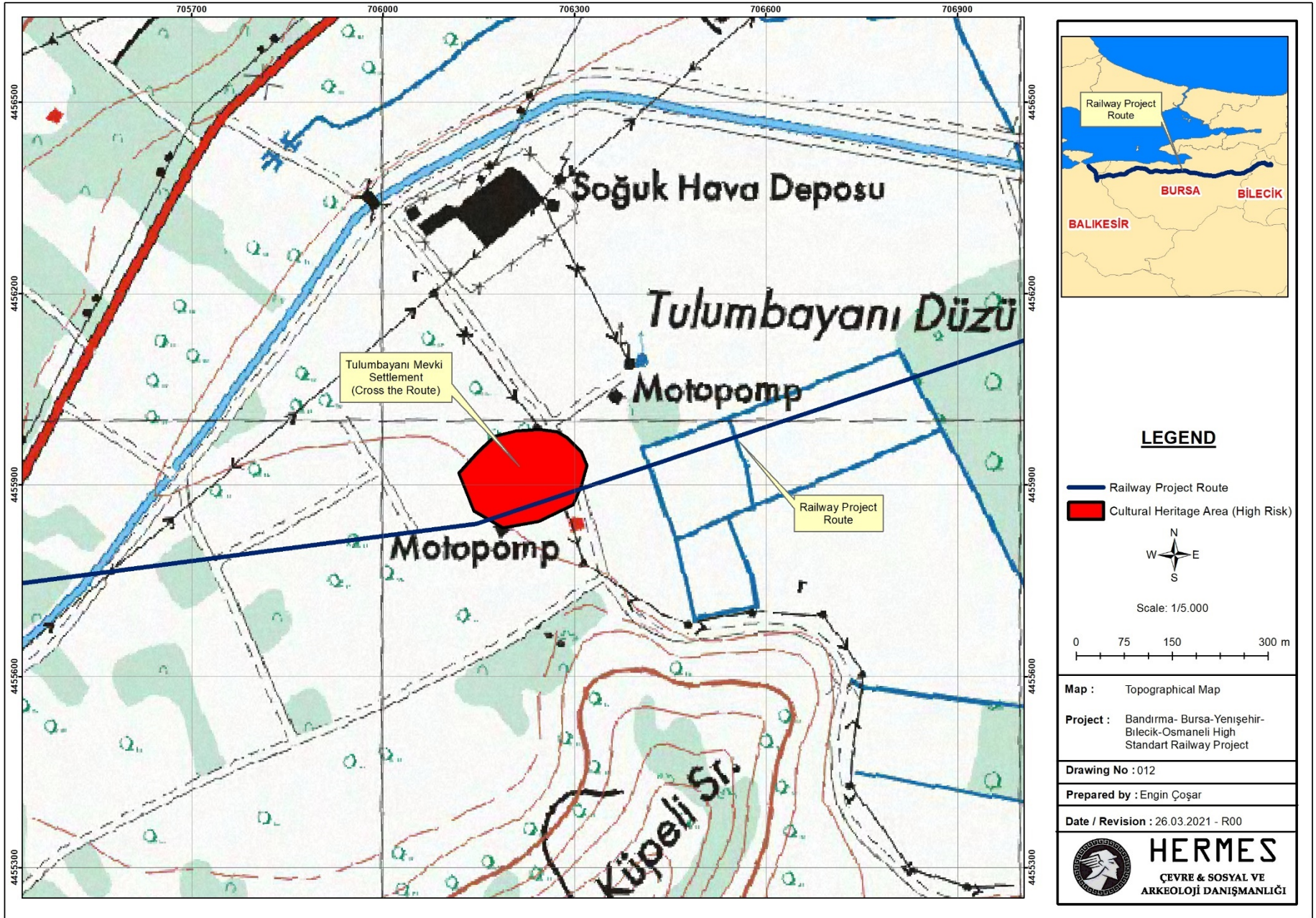
Minor	Changes to key archaeological materials, such that the resource is slightly altered.	
-------	--------------------------------------------------------------------------------------	--

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 18



Name	Tulumbayanı Mevki Settlement
Province / District	Bursa Yenişehir
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

2	Low	Assets of limited value, but with potential to contribute to local research objectives.
---	-----	-----------------------------------------------------------------------------------------

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

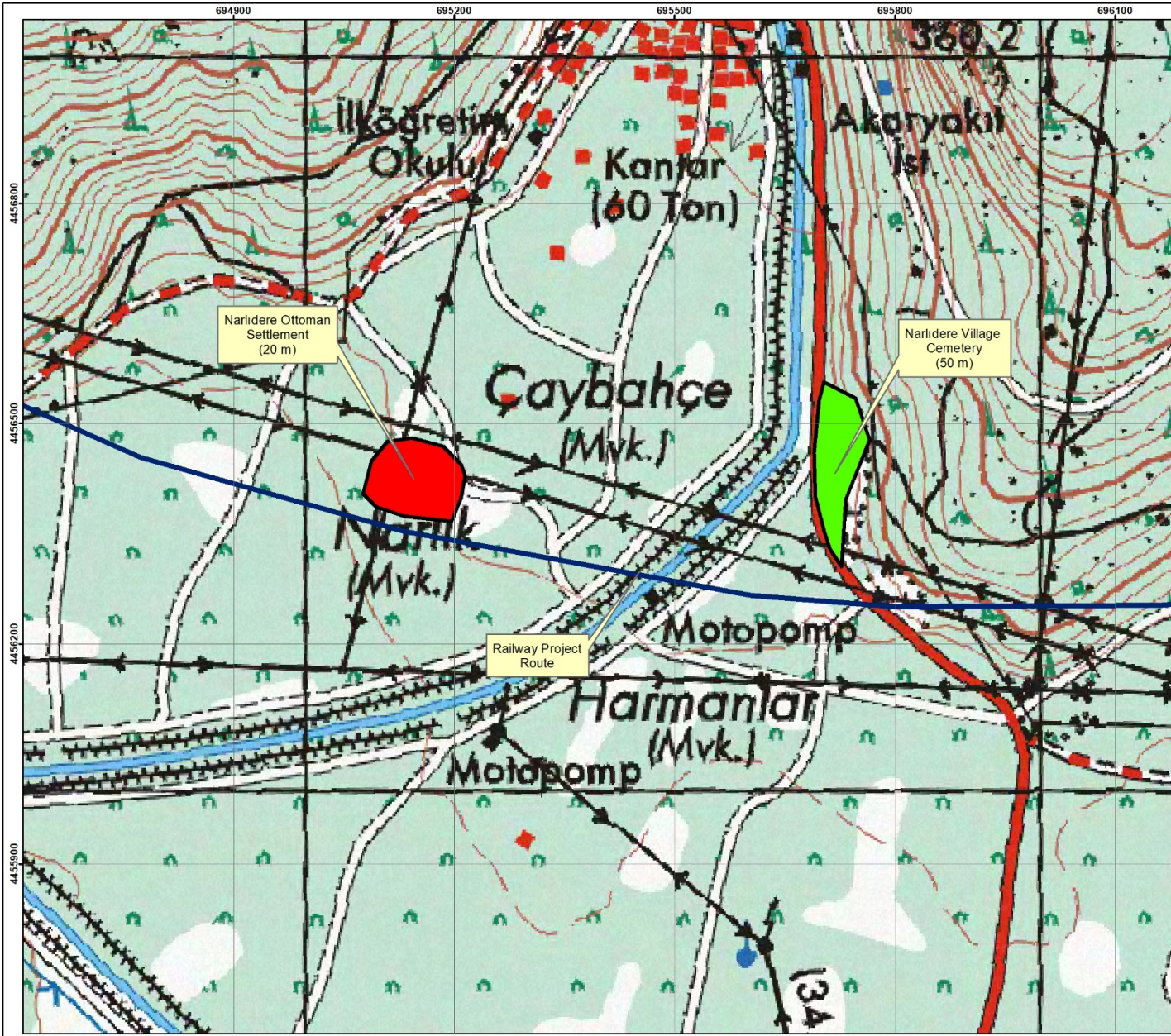
Minor	Changes to key archaeological materials, such that the resource is slightly altered.	
-------	--------------------------------------------------------------------------------------	--

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 19

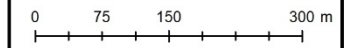


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Low)
- Cultural Heritage Area (High Risk)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 013

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Narlidere Village Cemetery
Province / District	Bursa
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

2	Low	Designated or undesignated assets of local importance.

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

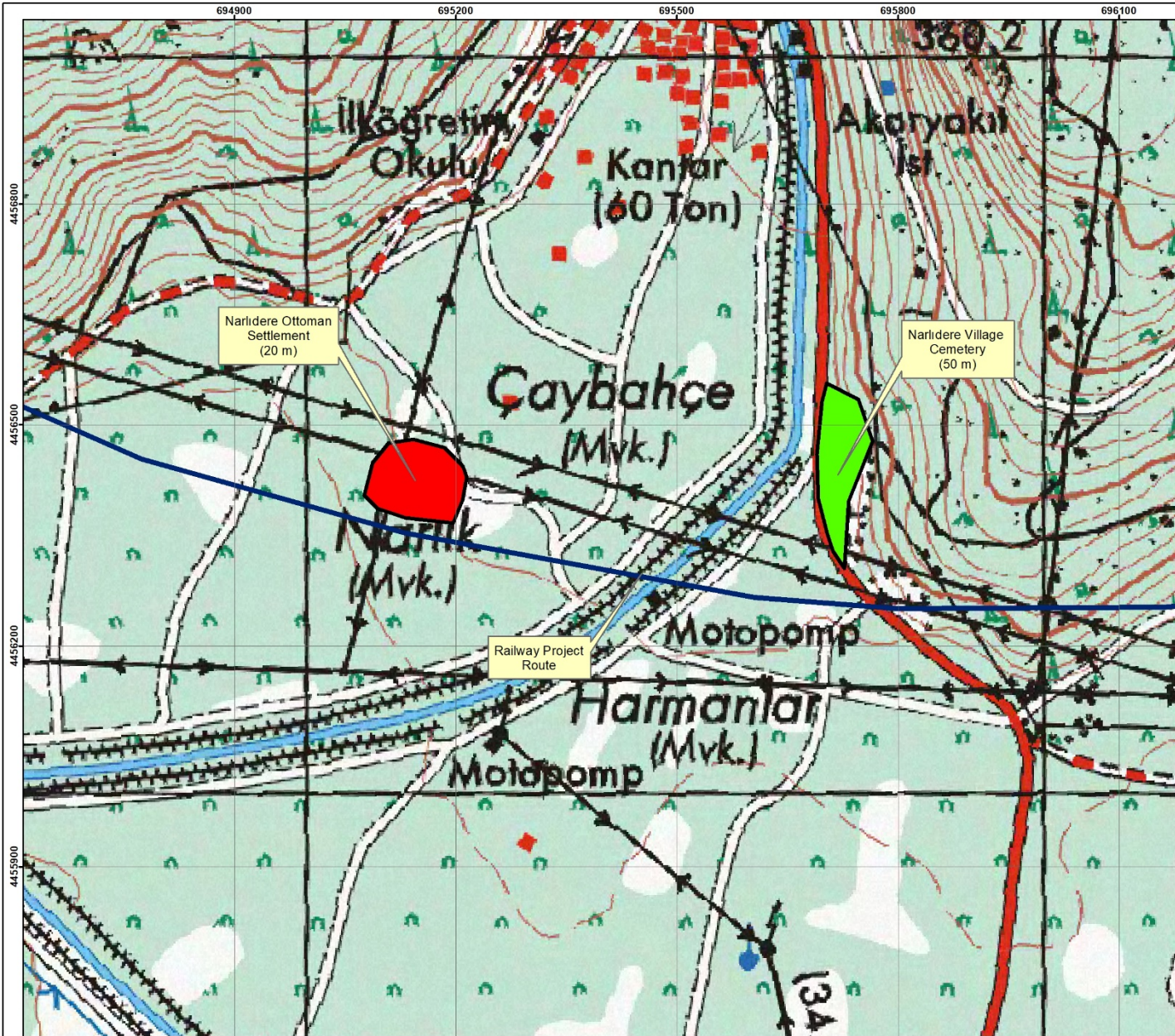
No change	No change	

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 20

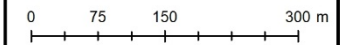


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Low)
- Cultural Heritage Area (High Risk)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 013

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

<b>Name</b>	Narlidere Ottoman Settlement
<b>Province / District</b>	Bursa
<b>Neighborhood</b>	Narlidere

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

2	Low	Assets compromised by poor preservation and/or poor survival of contextual associations.
---	-----	------------------------------------------------------------------------------------------

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

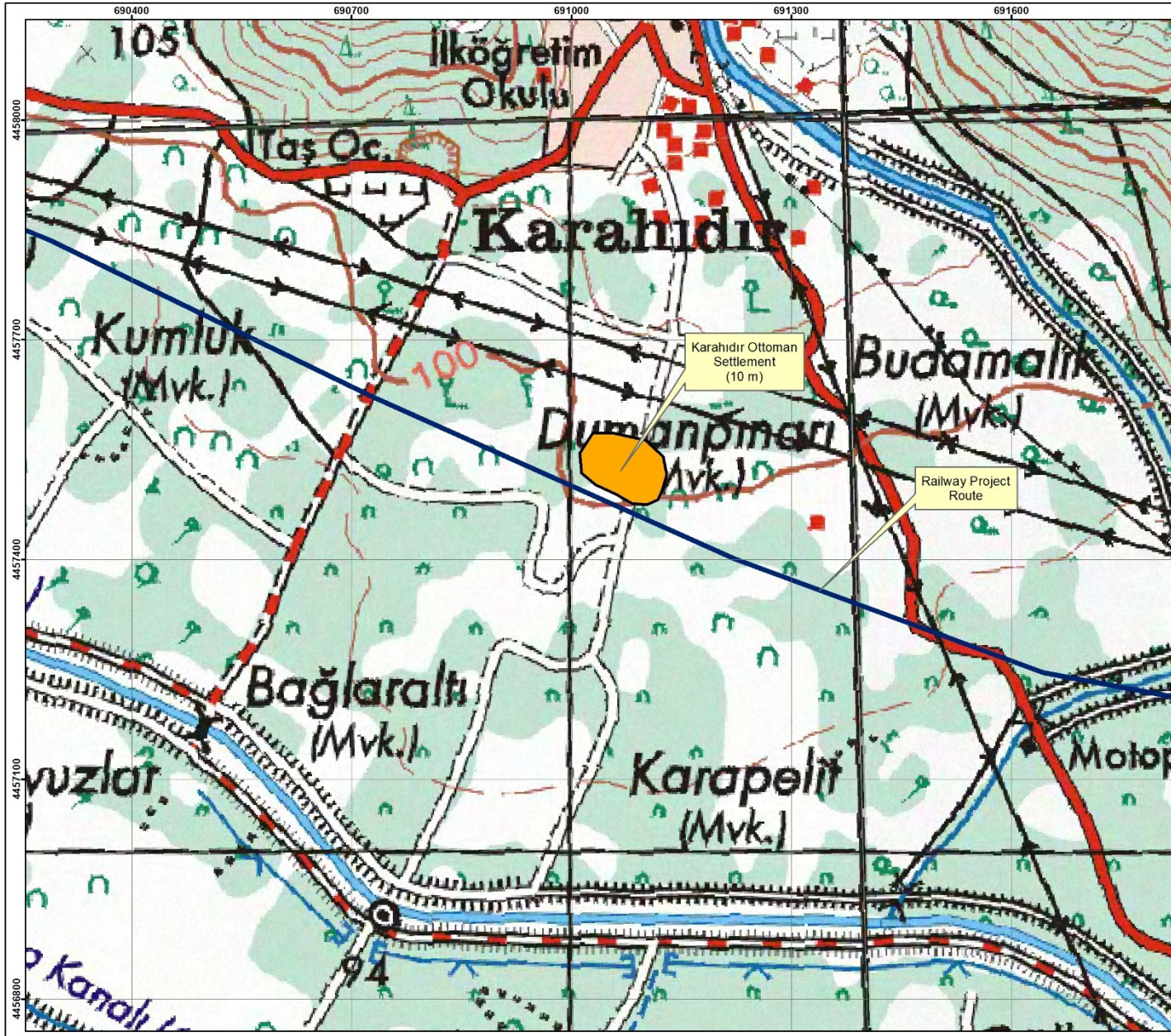
No change	No change	
-----------	-----------	--

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 21

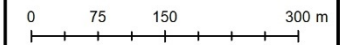


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Risky)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmanlı High  
Standard Railway Project

Drawing No : 014

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

<b>Name</b>	Karahıdır Ottoman Settelement
<b>Province / District</b>	Bursa Gürsu
<b>Neighborhood</b>	Karahıdır Köyü

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

2	Low	Assets compromised by poor preservation and/or poor survival of contextual associations.
---	-----	------------------------------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

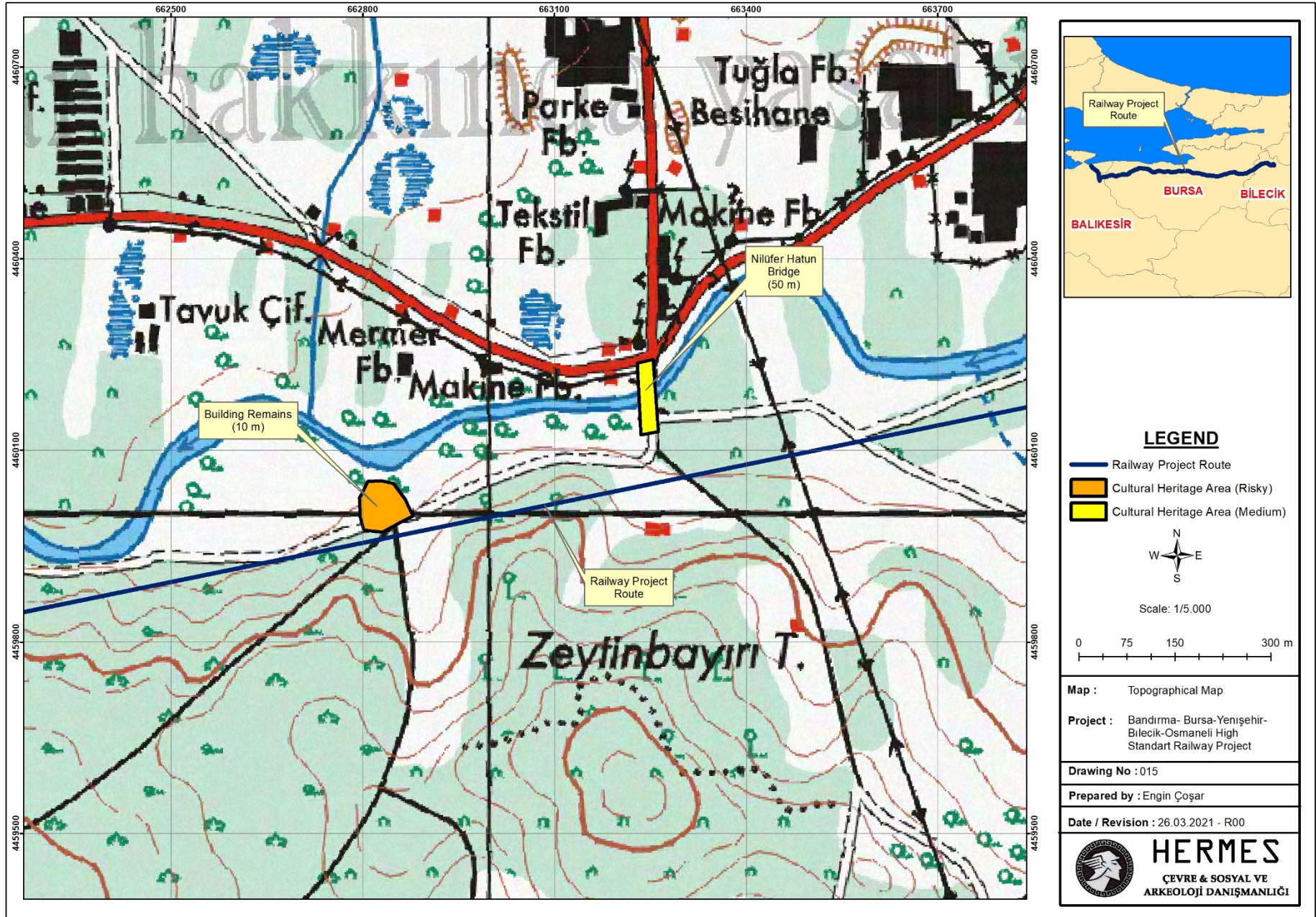
No change	No change	
-----------	-----------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 22



Name	Nilüfer Hatun Bridge
Province / District	Bursa-Nilüfer
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

4	High	Nationally-designated Archaeological Monuments protected by the State Party's laws
---	------	------------------------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

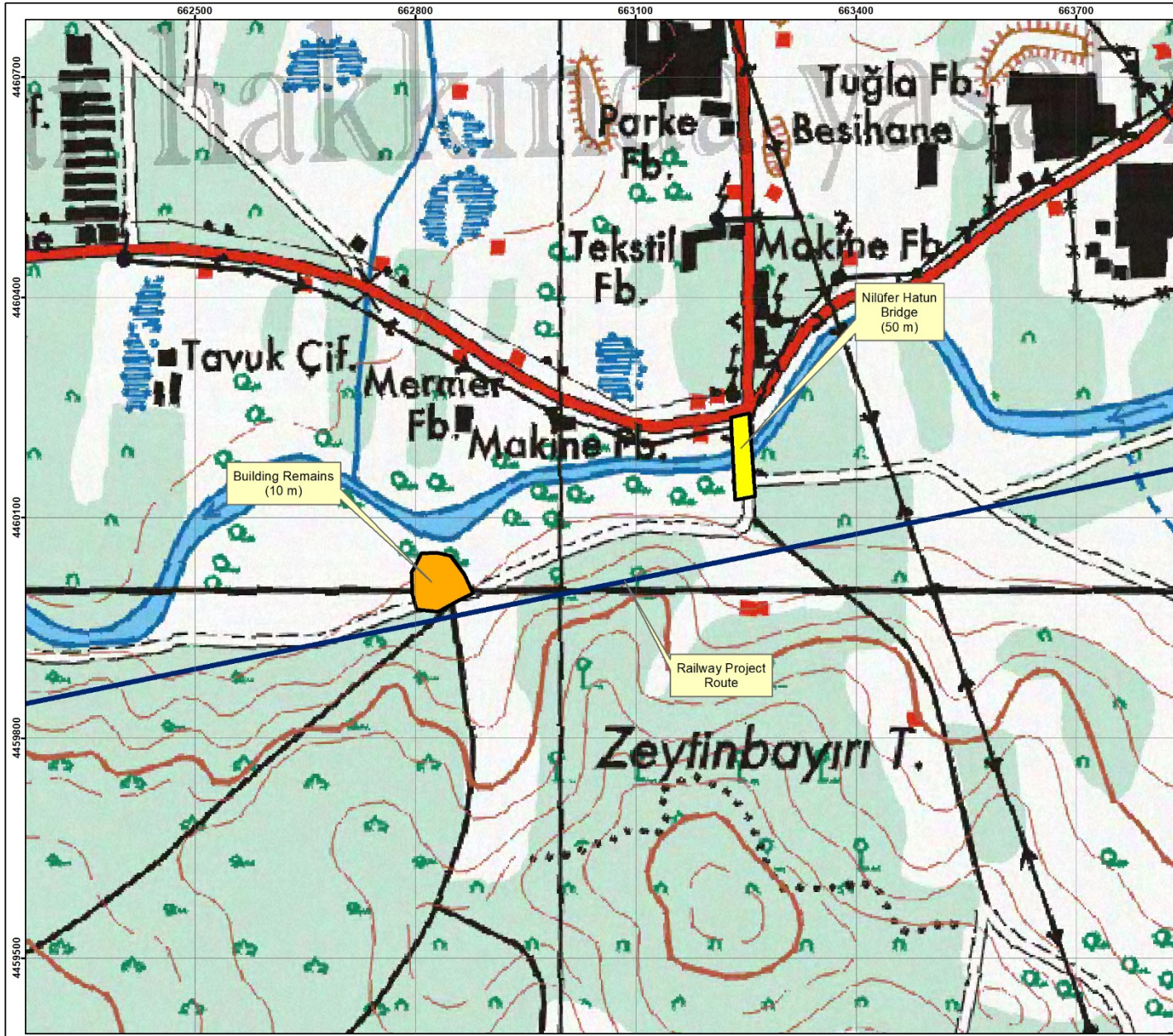
No change	No change	
-----------	-----------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 23

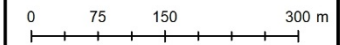


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Risky)
- Cultural Heritage Area (Medium)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 015

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Building Remains
Province / District	Bursa-Nilüfer
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

1	Negligible	Assets with little or no surviving archaeological interest.
---	------------	-------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

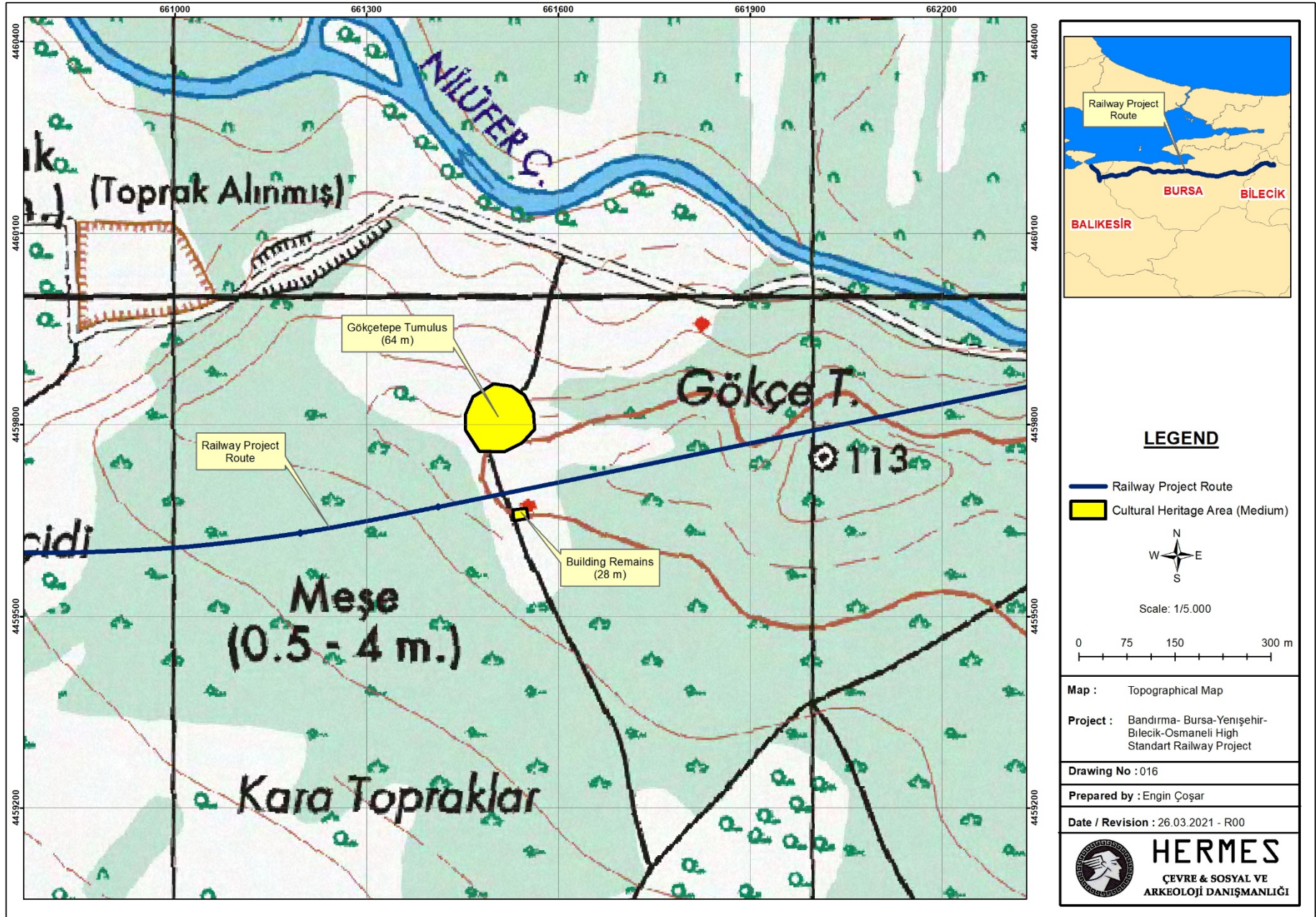
No change	No change	
-----------	-----------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 24



Name	Building Remains
Province / District	Bursa
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

1	Negligible	Assets with little or no surviving archaeological interest.
---	------------	-------------------------------------------------------------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

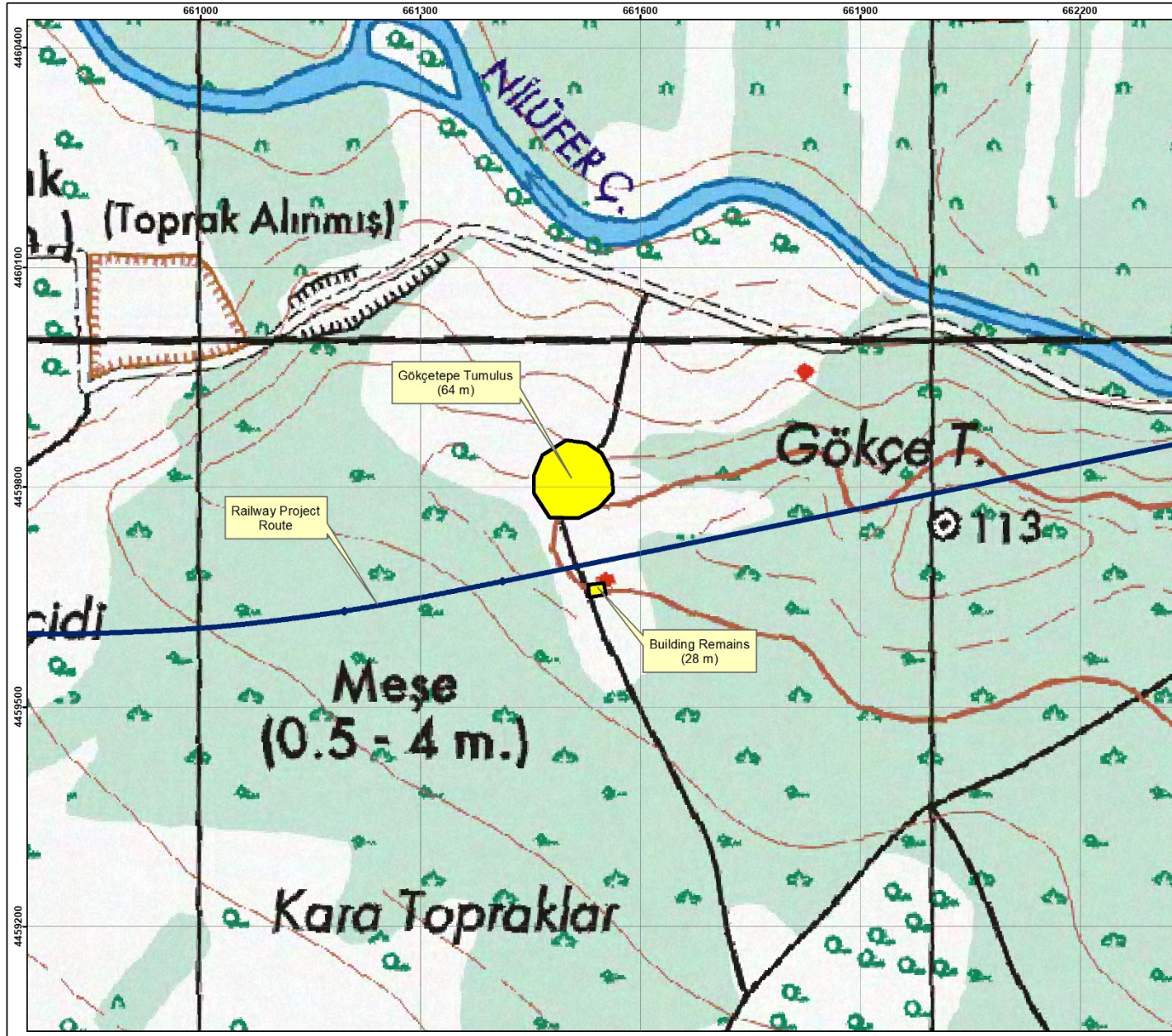
No change	No change	
-----------	-----------	--

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

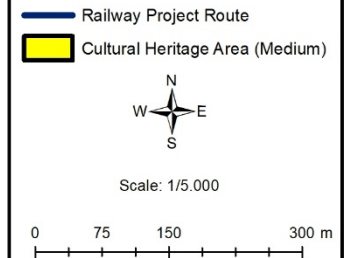




Form No: 25



**LEGEND**



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 016

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

<b>Name</b>	Gökçetepe Tumulus
<b>Province / District</b>	Bursa-Nilüfer
<b>Neighborhood</b>	Doğan Köyü

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

4	High	Undesignated sites of the quality and importance to be designated
---	------	-------------------------------------------------------------------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

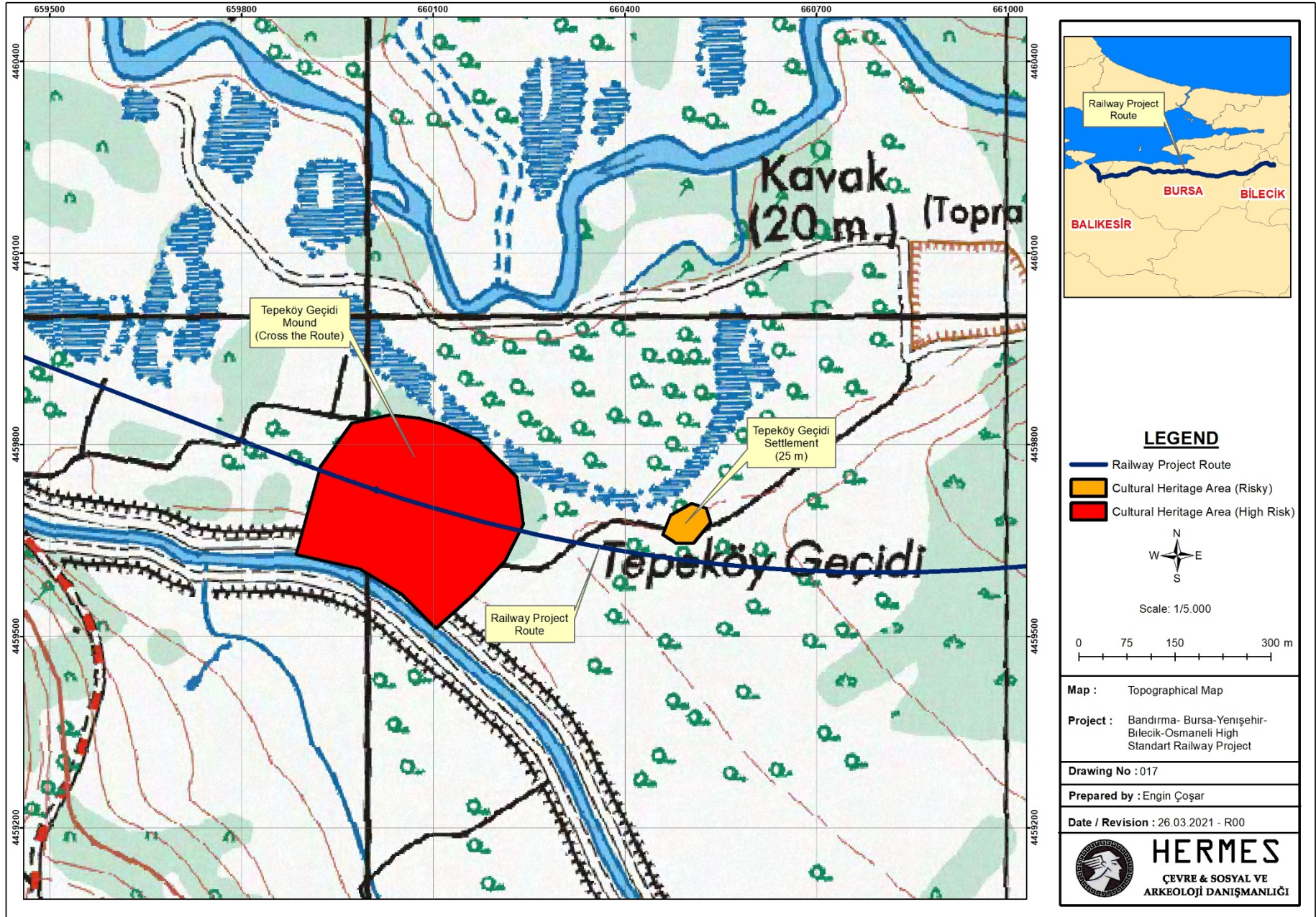
No change	No change
-----------	-----------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 26



Name	Tepeköy Geçidi Settlement
Province / District	Bursa
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

2	Low	Assets compromised by poor preservation and/or poor survival of contextual associations.
---	-----	------------------------------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

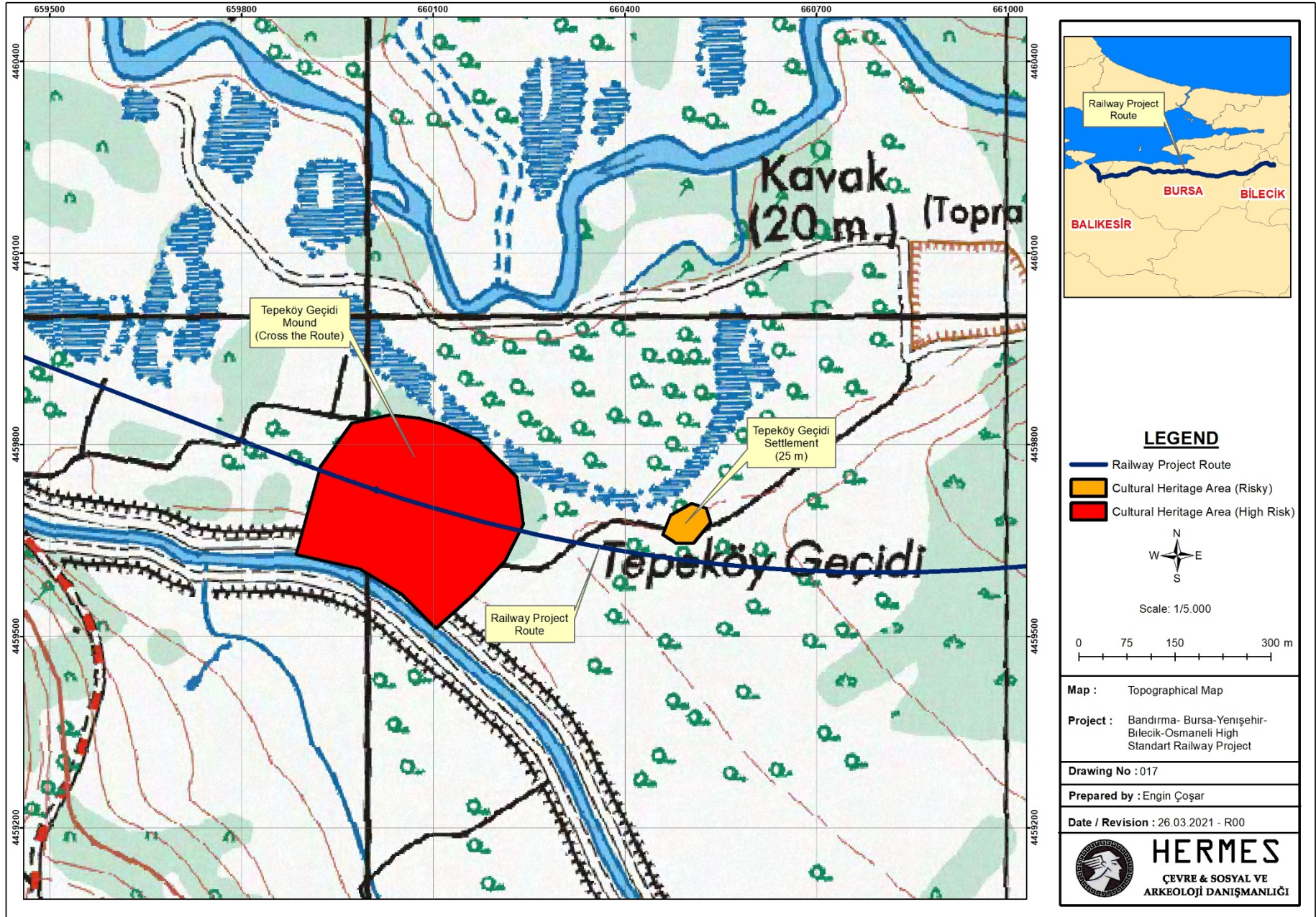
No change	No change	
-----------	-----------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 27



<b>Name</b>	Tepeköy Geçidi Mound
<b>Province / District</b>	Bursa
<b>Neighborhood</b>	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

4	High	Undesignated sites of the quality and importance to be designated
---	------	-------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

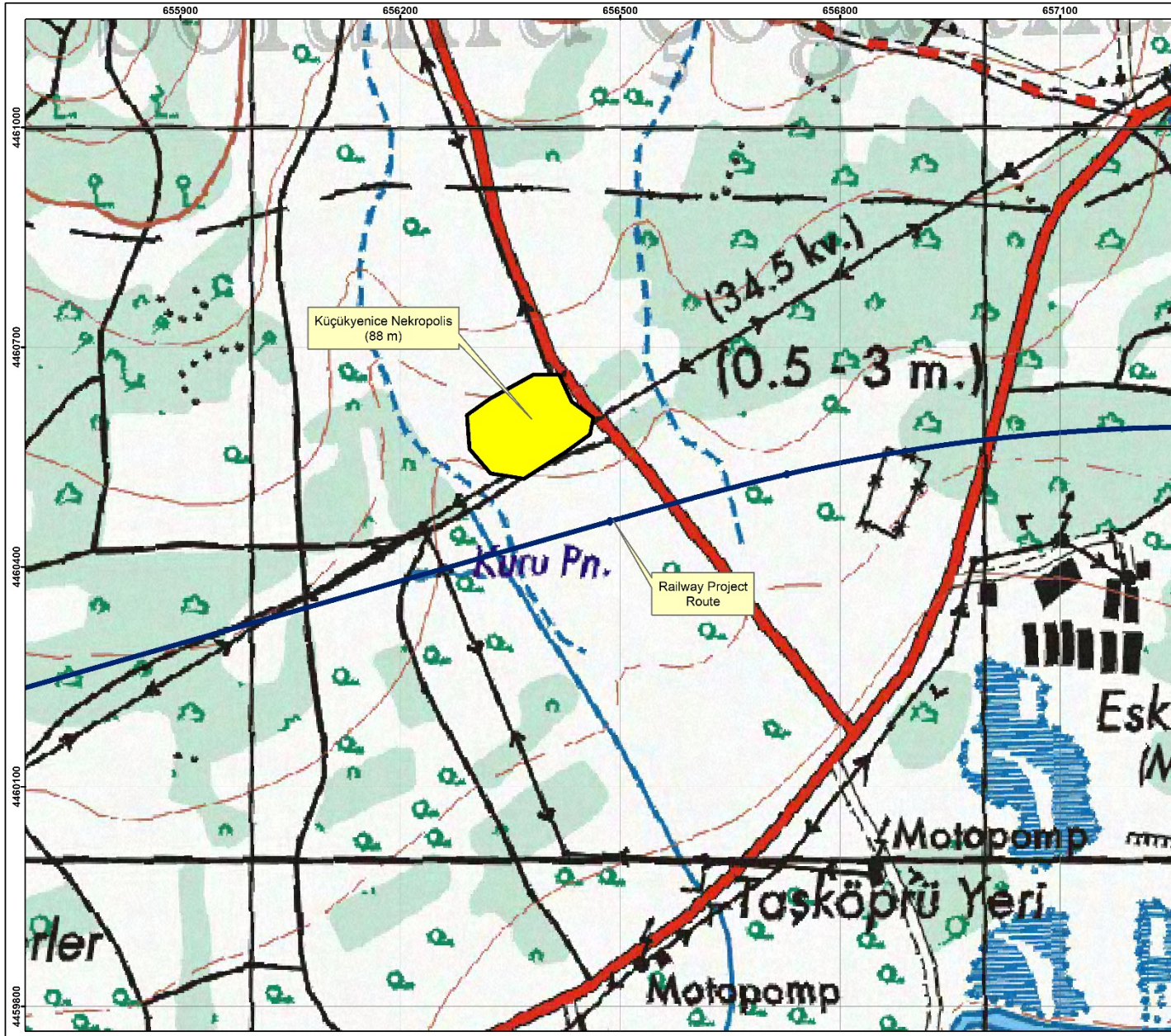
<b>Moderate</b>	Changes to many key archaeological materials, such that the resource is clearly modified.	
-----------------	-------------------------------------------------------------------------------------------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 28

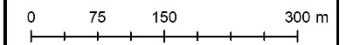


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Medium)



Scale: 1/5,000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 018

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

<b>Name</b>	Küçükyenice Necropolis
<b>Province / District</b>	Bursa Mudanya
<b>Neighborhood</b>	Balabancık Mahallesi

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

3	Medium	Designated or undesignated assets that can contribute significantly to regional research objectives.
---	--------	------------------------------------------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

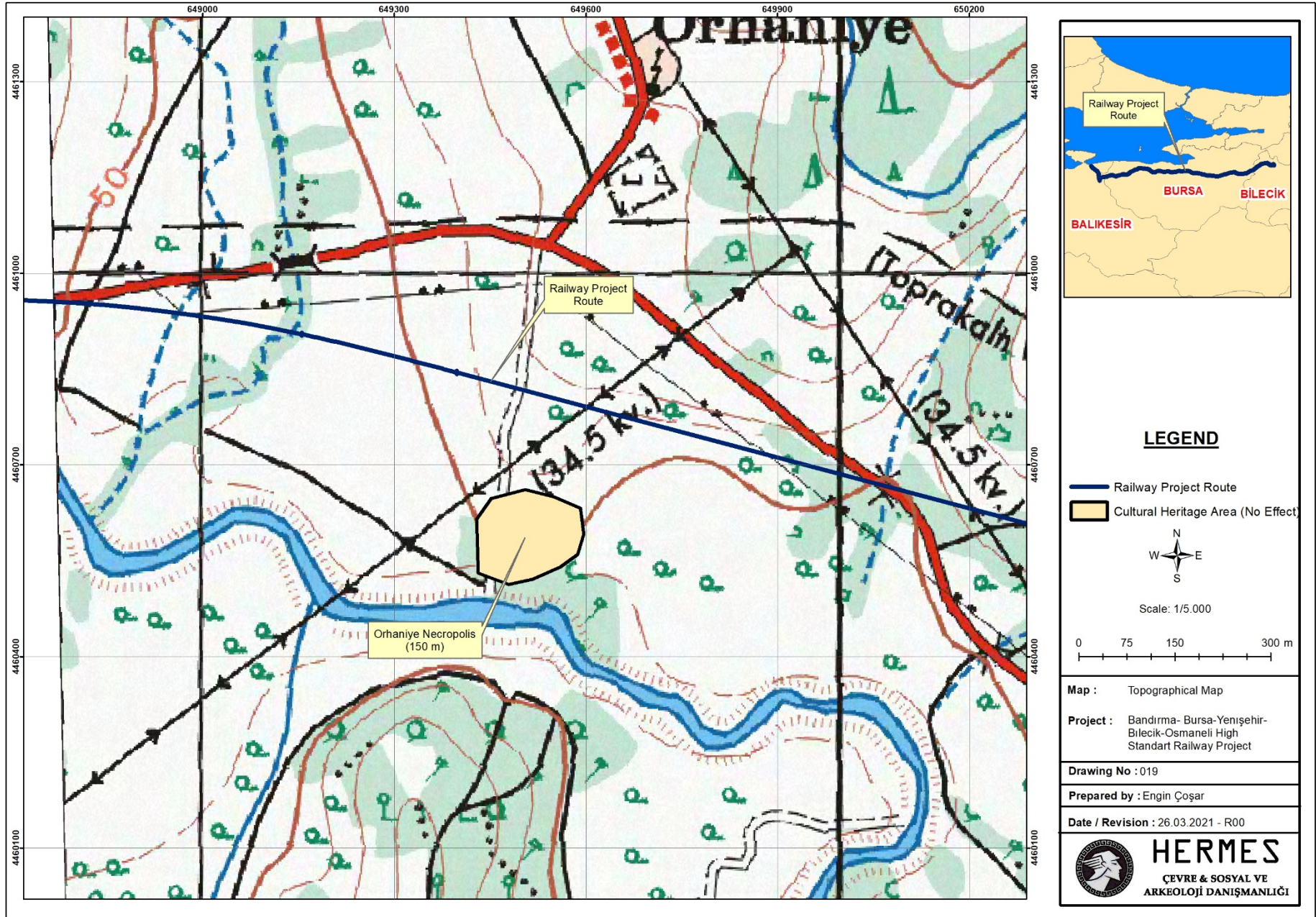
No change	No change
-----------	-----------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 29



<b>Name</b>	Orhaniye Necropolis
<b>Province / District</b>	Bursa Mudanya
<b>Neighborhood</b>	Orhaniye Köyü

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

4	High	Undesignated sites of the quality and importance to be designated
---	------	-------------------------------------------------------------------

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

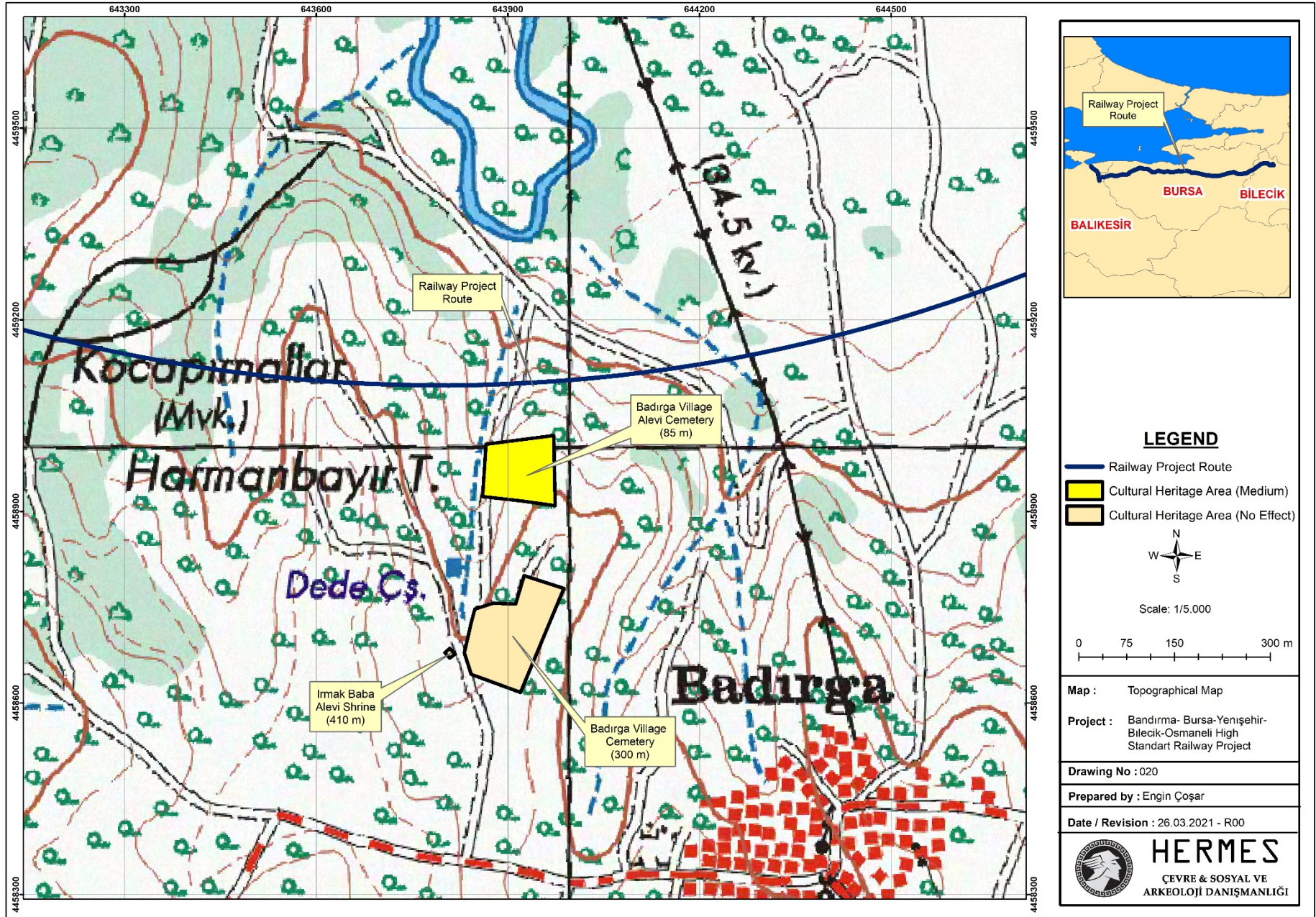
No change	No change
-----------	-----------

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 30



<b>Name</b>	Badırğa Village Alevi Cemetery
<b>Province / District</b>	Bursa
<b>Neighborhood</b>	Badırğa Village

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

4	High	Nationally- designated areas or activities associated with globally- important Intangible Cultural Heritage activities .
---	------	--------------------------------------------------------------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

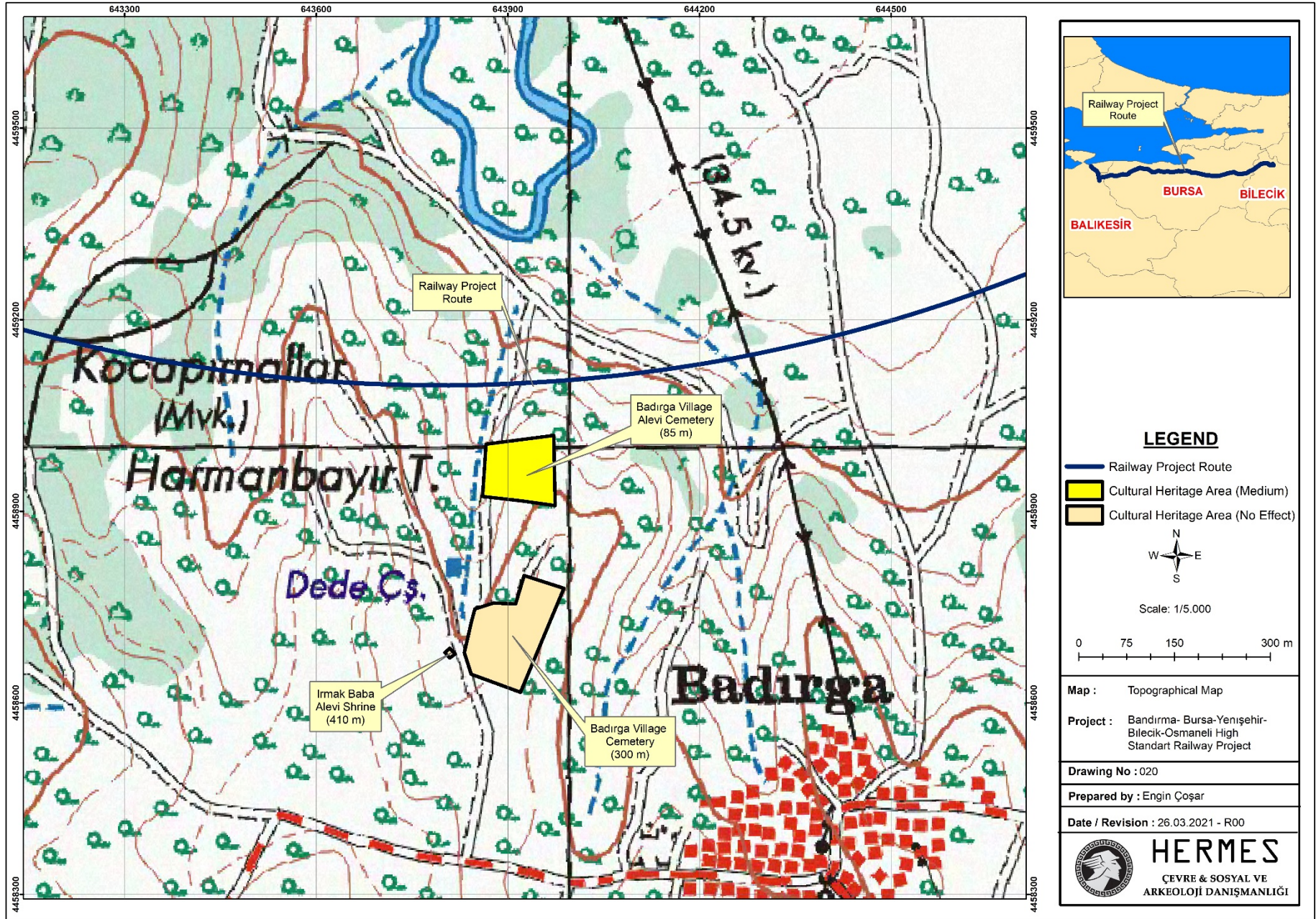
No change	No change	
-----------	-----------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 31



Name	Badırğa Village Cemetery
Province / District	Bursa
Neighborhood	Badırğa Village

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

2	Low	Designated or undesignated assets of local importance.
---	-----	--------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

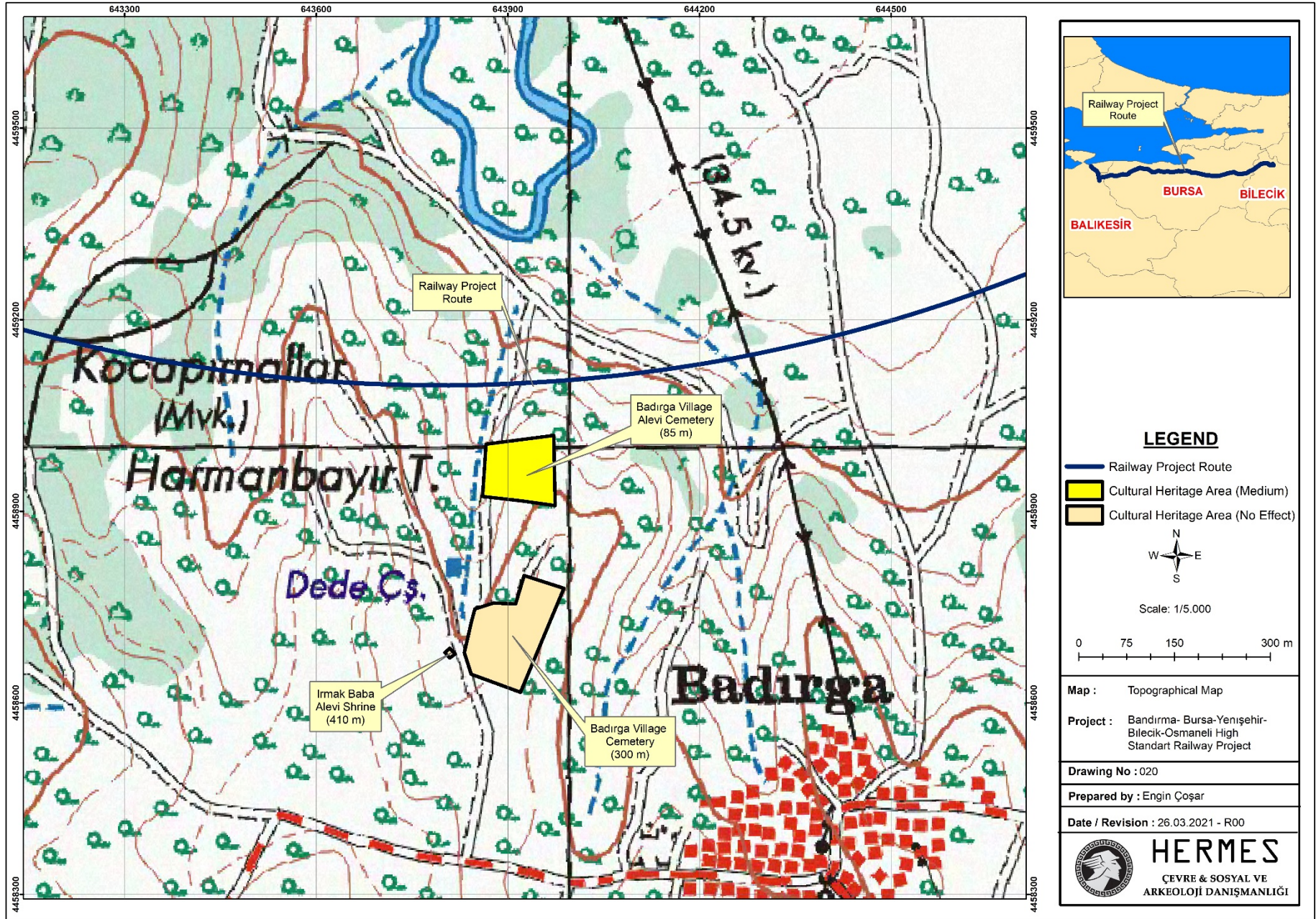
No change	No change
-----------	-----------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 32



Name	Irmak Baba Alevi Türbe
Province / District	Bursa
Neighborhood	Badirga Village

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

4	High	Nationally- designated areas or activities associated with globally- important Intangible Cultural Heritage activities .
---	------	--------------------------------------------------------------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

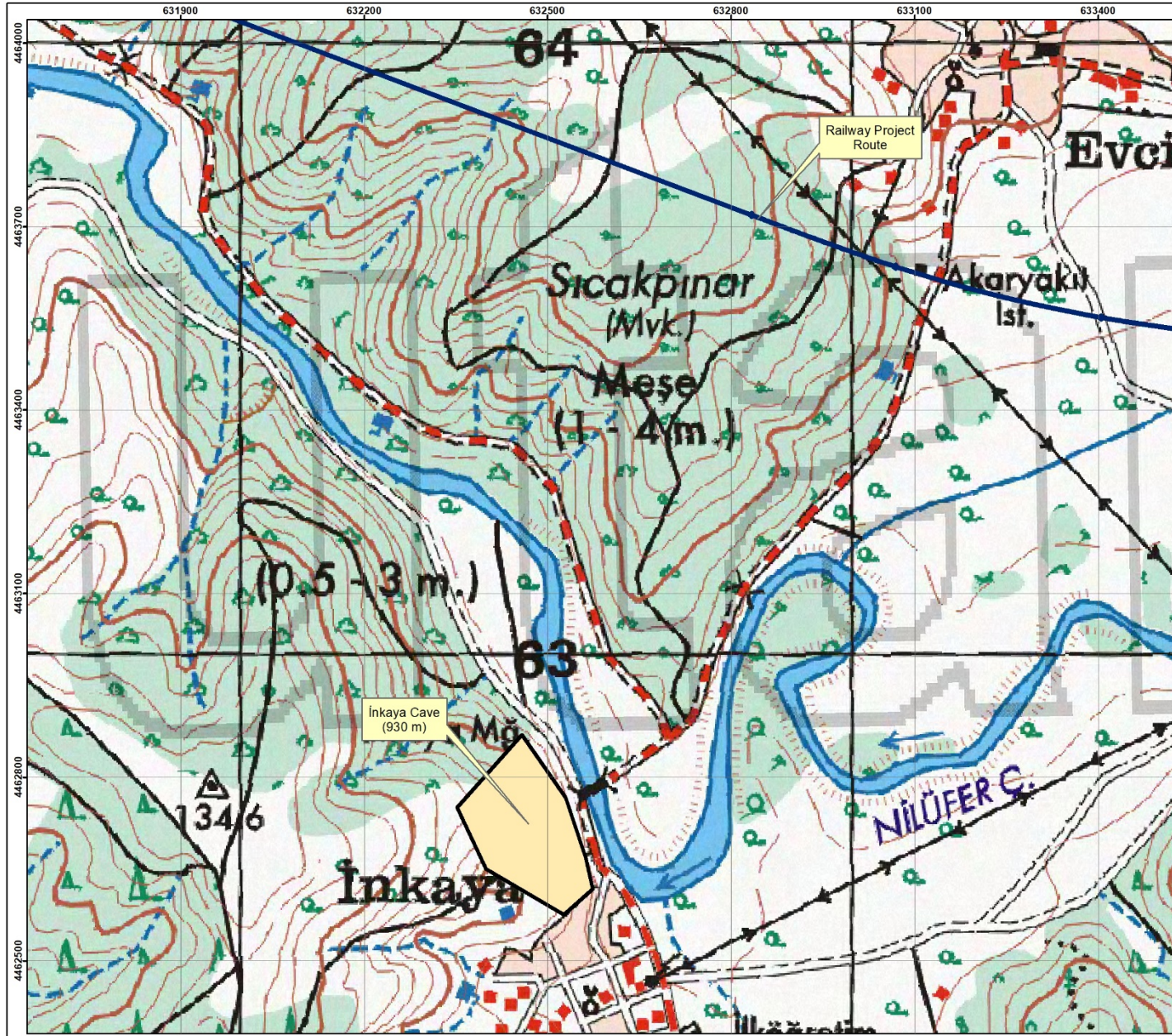
No change	No change	
-----------	-----------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)



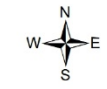


Form No: 33

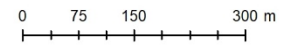


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (No Effect)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 021

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	İnkaya Cave
Province / District	Bursa
Neighborhood	İnkaya Köyü

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

3	Medium	Designated or undesignated assets that can contribute significantly to regional research objectives.
---	--------	------------------------------------------------------------------------------------------------------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

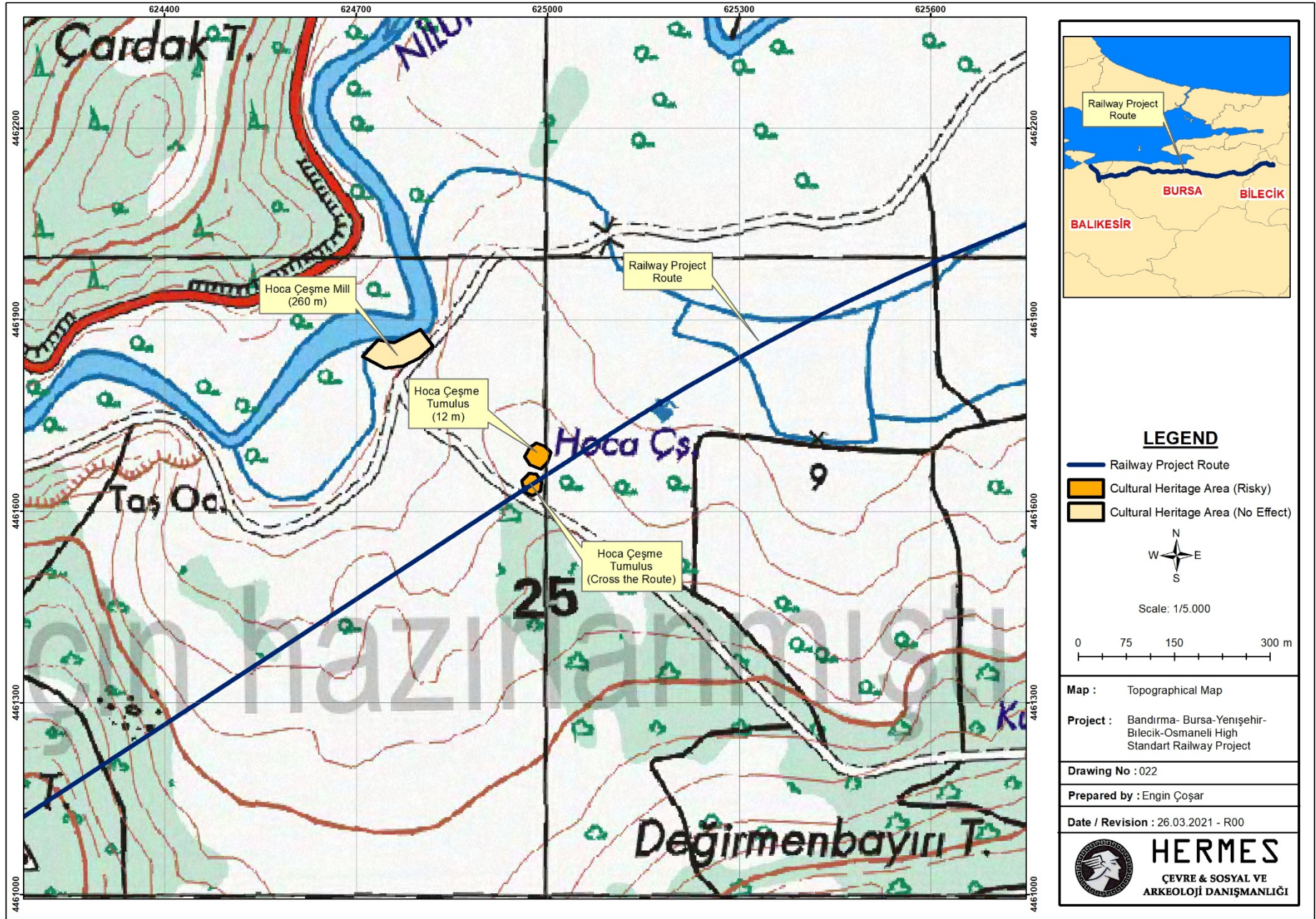
No change	No change
-----------	-----------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 34



Name	Hoca Çeşme Mill
Province / District	Bursa Karacabey
Neighborhood	Derleme

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

2	Low	Assets compromised by poor preservation and/or poor survival of contextual associations.
---	-----	------------------------------------------------------------------------------------------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

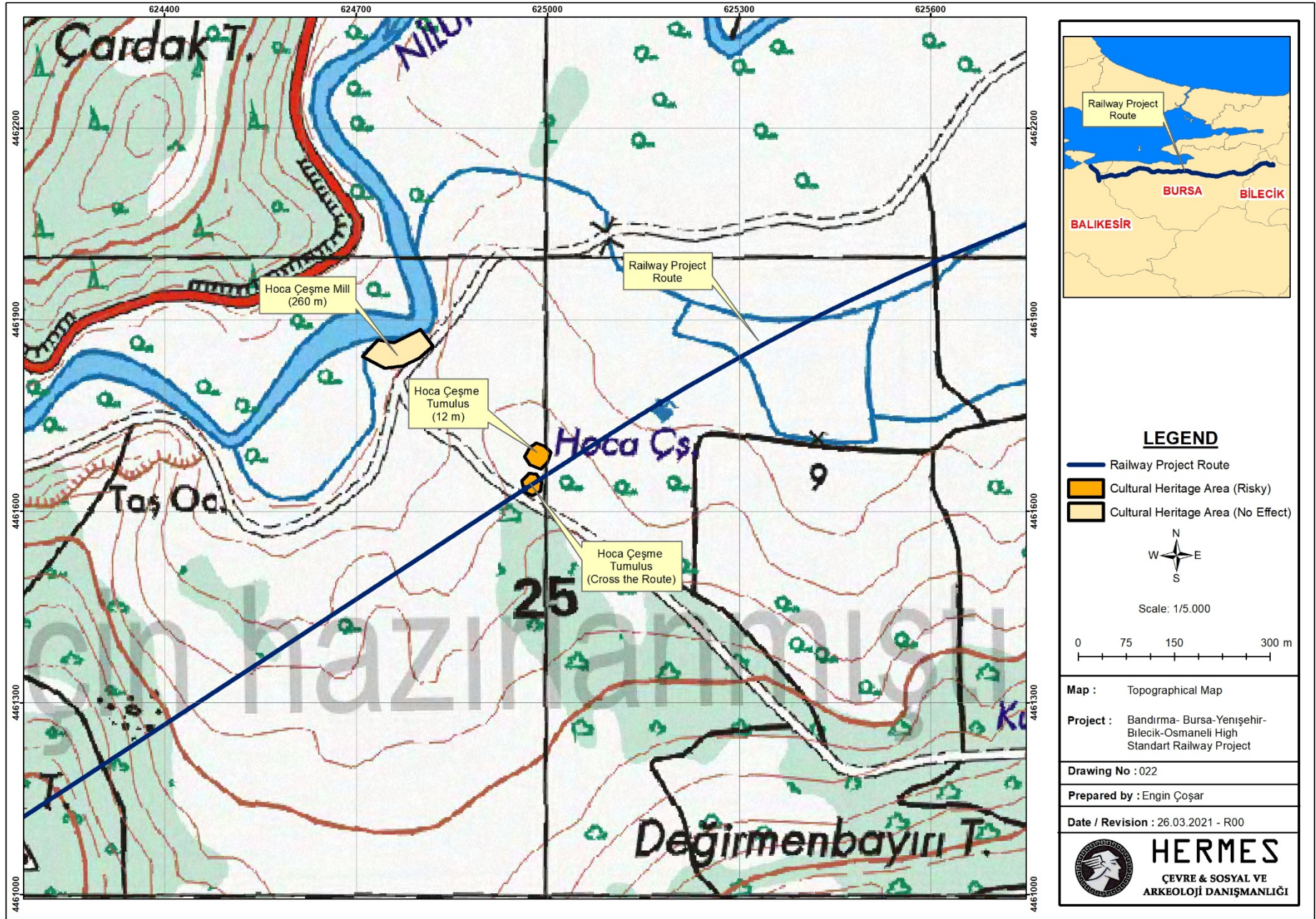
No change	No change	
-----------	-----------	--

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 35



<b>Name</b>	Hoca Çeşme Tumulus
<b>Province / District</b>	Bursa Karacabey
<b>Neighborhood</b>	Derleme

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

4	High	Undesignated sites of the quality and importance to be designated
---	------	-------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

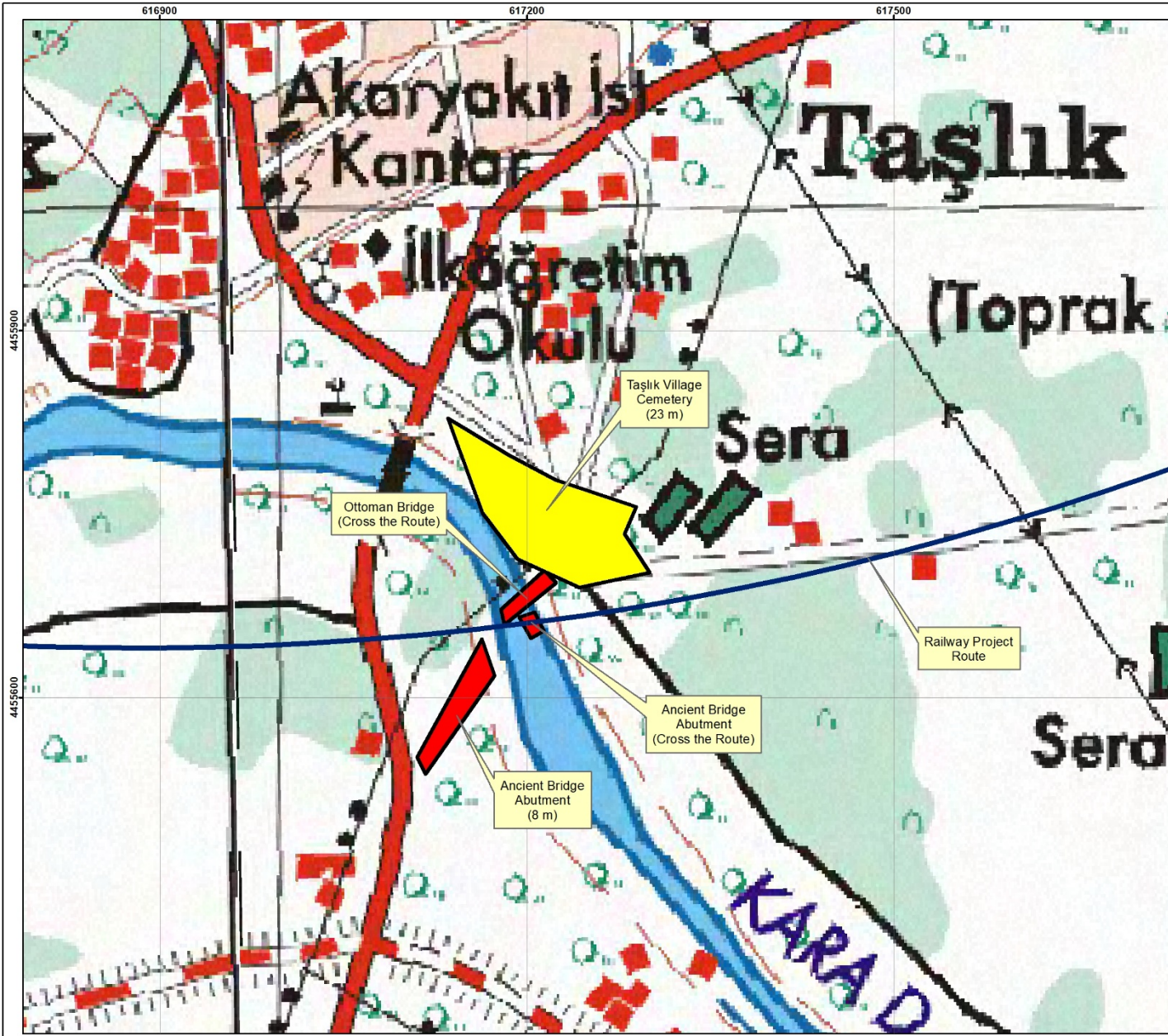
Minor	Changes to key archaeological materials, such that the resource is slightly altered.	
-------	--------------------------------------------------------------------------------------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)



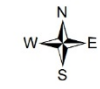


Form No: 36

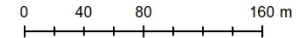


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Medium)
- Cultural Heritage Area (High Risk)



Scale: 1/3.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 024

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

<b>Name</b>	Ancient Bridge Abutment
<b>Province / District</b>	Bursa Karacabey
<b>Neighborhood</b>	Taşlık

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

1	<b>Negligible</b>	Assets with little or no surviving archaeological interest.
---	-------------------	-------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

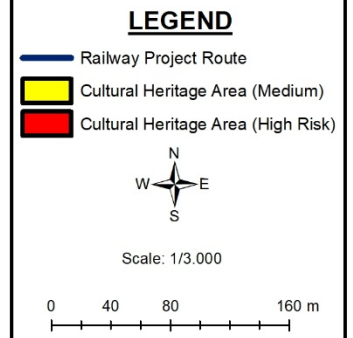
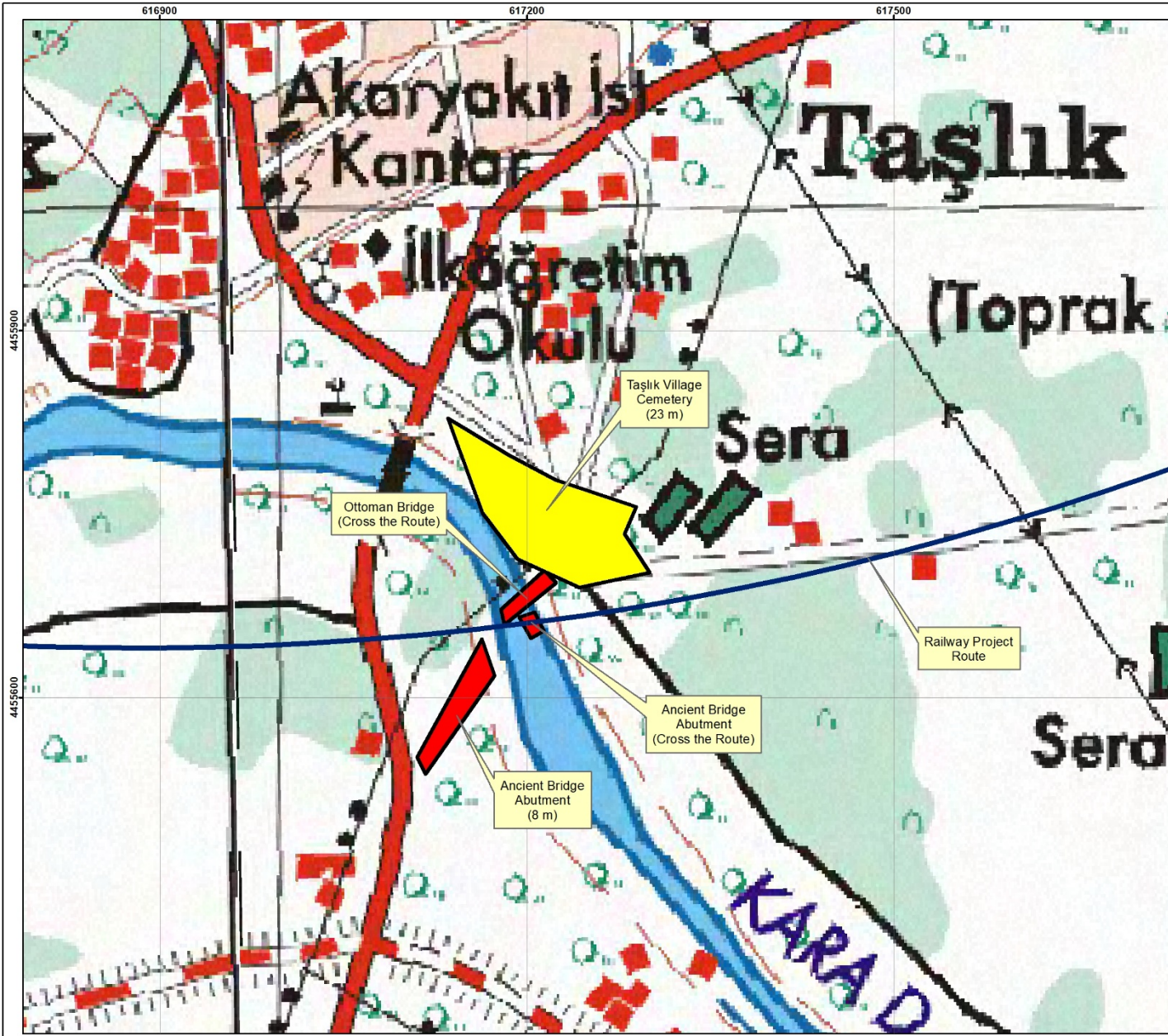
<b>No change</b>	No change	
------------------	-----------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 37



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 024

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Ottoman Bridge
Province / District	Bursa-Karacabey
Neighborhood	Taşlık

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

3	Medium	Designated or undesignated assets that can contribute significantly to regional research objectives.
---	--------	------------------------------------------------------------------------------------------------------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

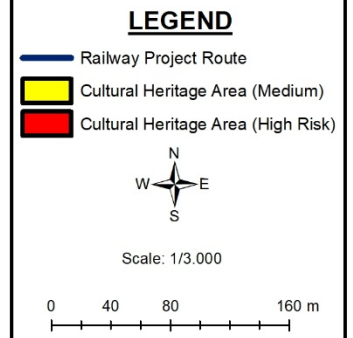
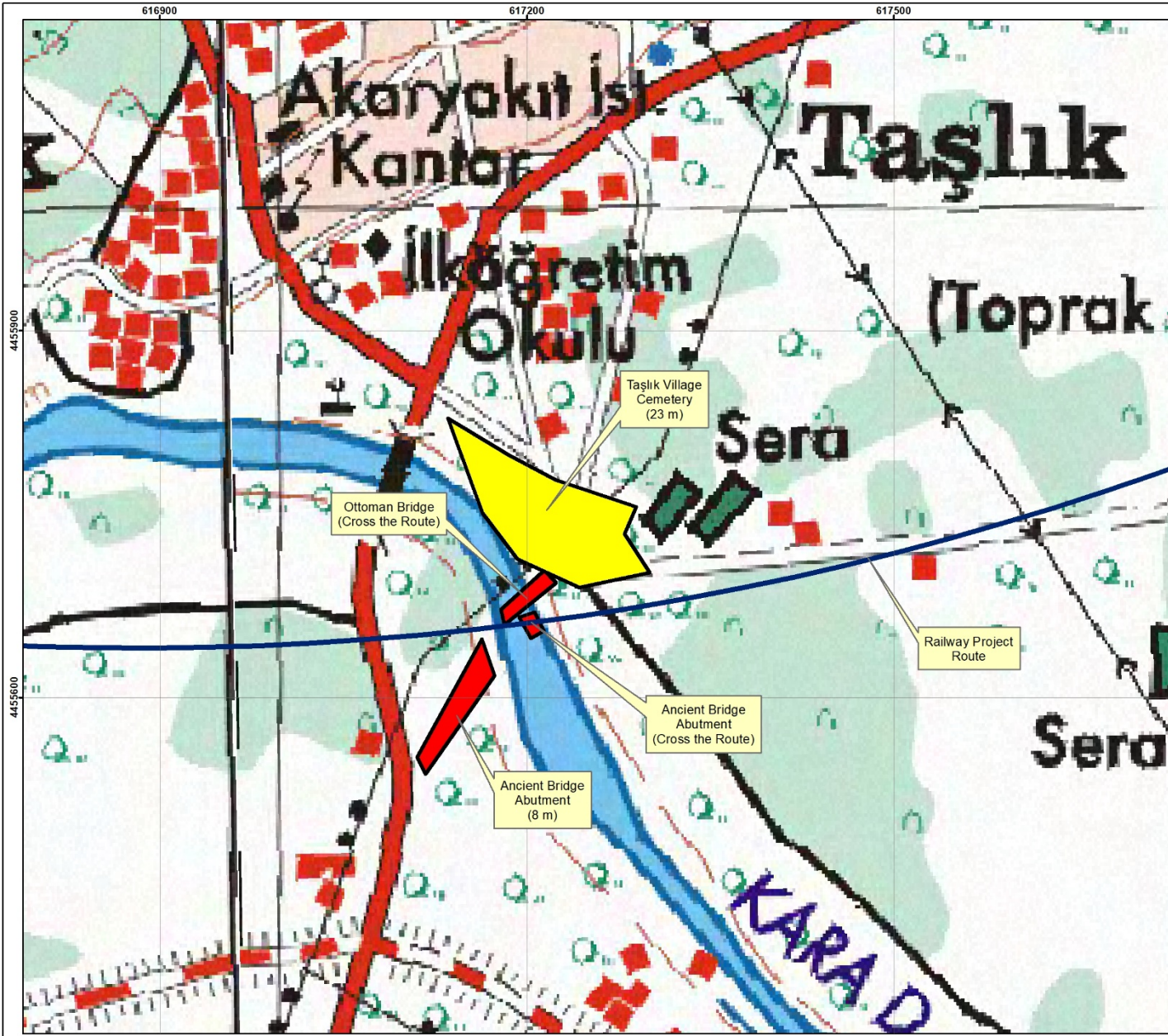
Minor	Changes to key archaeological materials, such that the resource is slightly altered.	
-------	--------------------------------------------------------------------------------------	--

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 38



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 024

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Taşlık Village Cemetery
Province / District	Bursa
Neighborhood	Taşlık

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

2	Low	Designated or undesignated assets of local importance.
---	-----	--------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

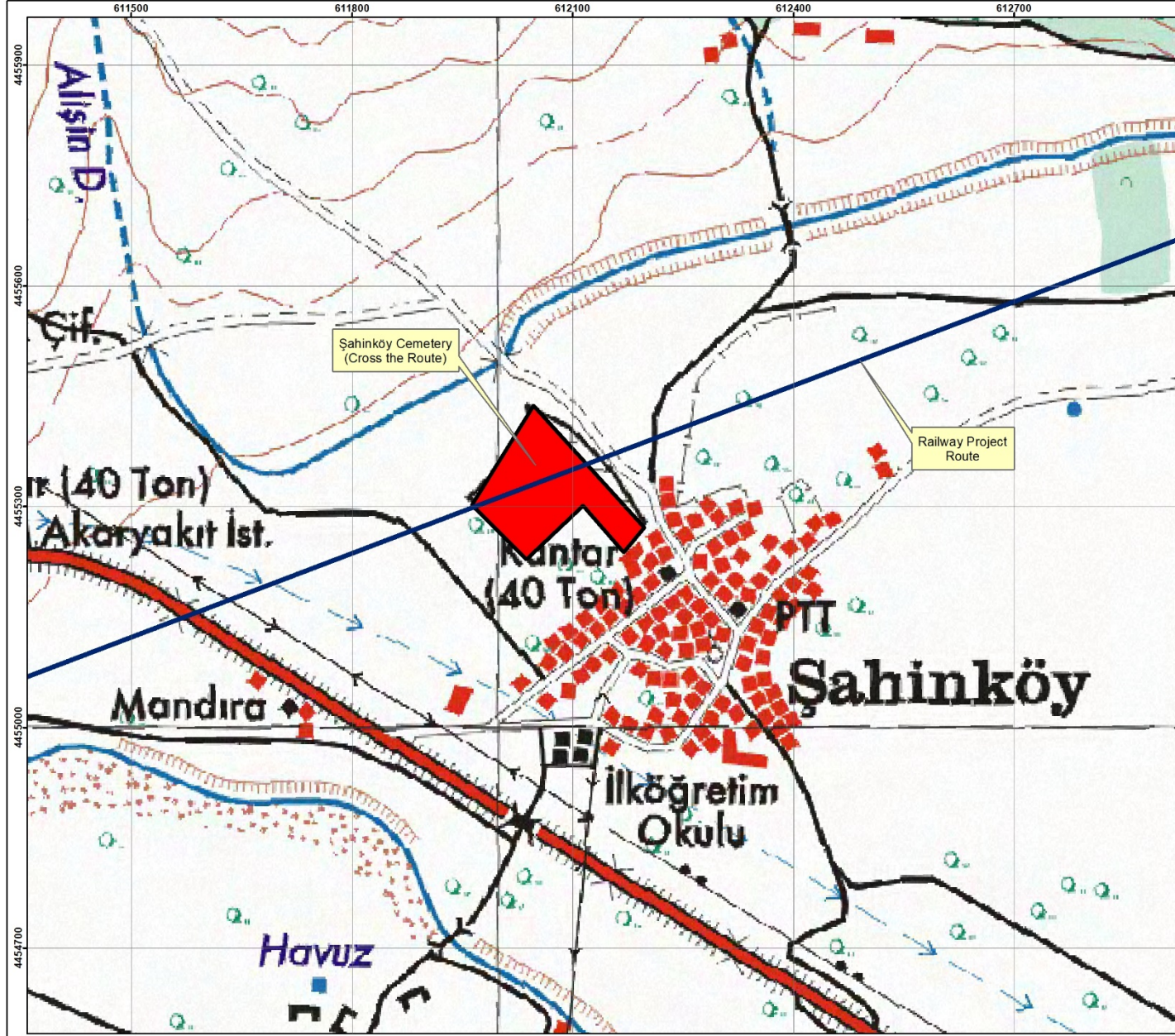
No change	No change	
-----------	-----------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 39



#### LEGEND

- Railway Project Route
- Cultural Heritage Area (High Risk)



Scale: 1/5.000

0 75 150 300 m

Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 025

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Şahinköy Cemetery
Province / District	Bursa
Neighborhood	Şahinköy

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

2	Low	Designated or undesignated assets of local importance.
---	-----	--------------------------------------------------------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

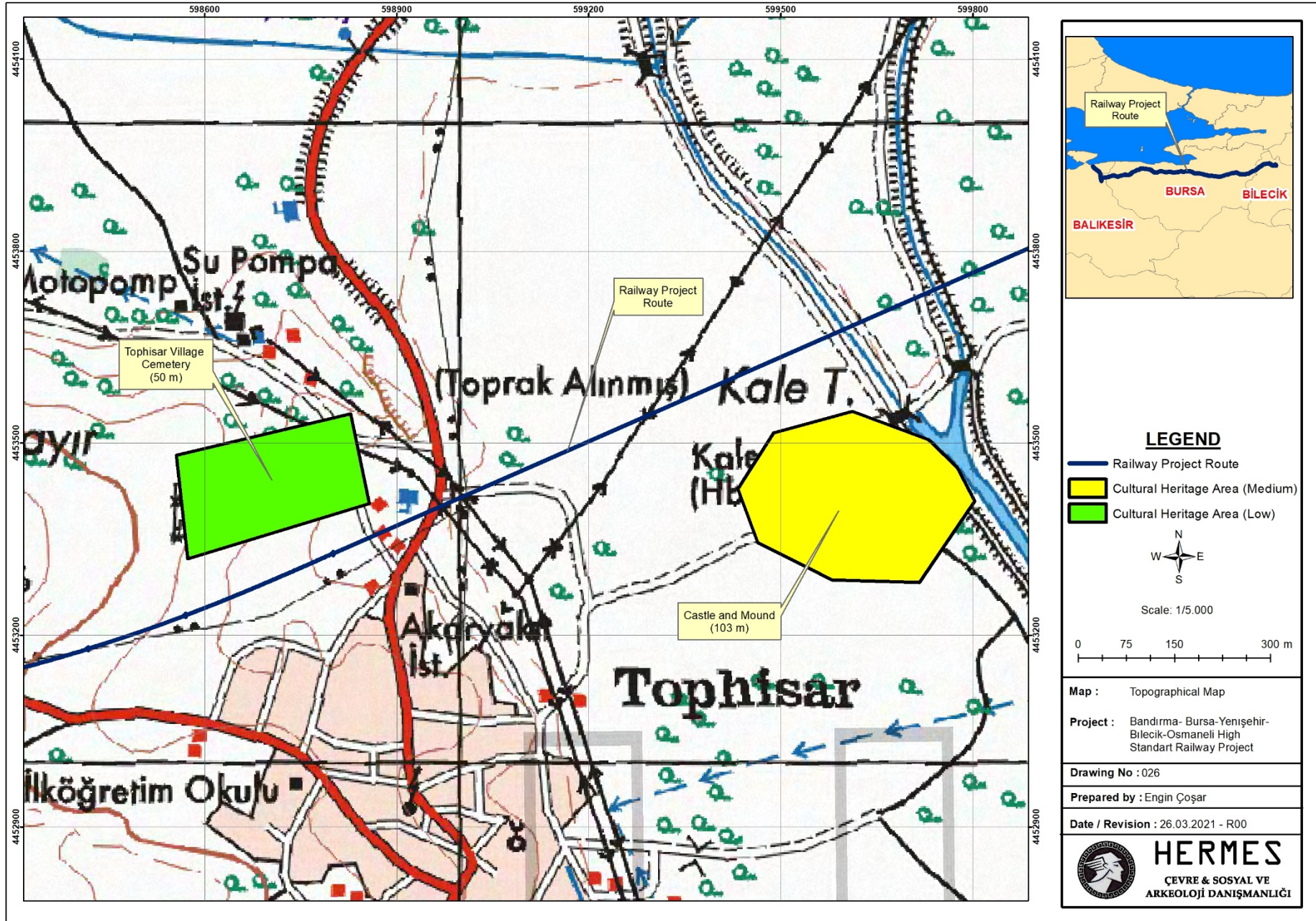
Minor	Changes to key archaeological materials, such that the resource is slightly altered.	
-------	--------------------------------------------------------------------------------------	--

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 40



<b>Name</b>	Castle and Mound
<b>Province / District</b>	Bursa Karacabey
<b>Neighborhood</b>	Danışment Köyü (Tophisar)

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

4	High	Nationally-designated Archaeological Monuments protected by the State Party's laws
---	------	------------------------------------------------------------------------------------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

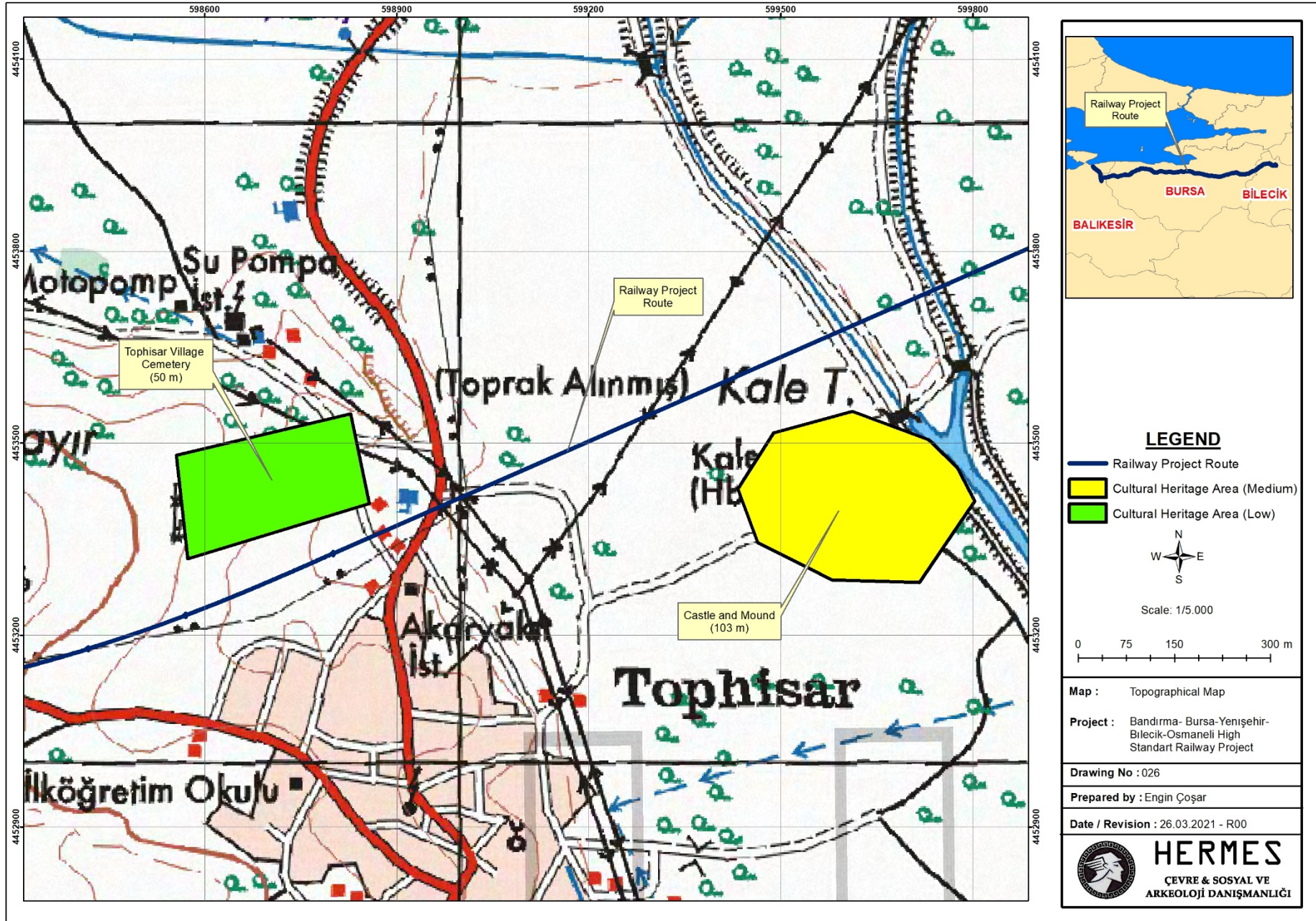
No change	No change
-----------	-----------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 41



Name	Tophisar Village Cemetery
Province / District	Bursa
Neighborhood	Tophisar

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

2	Low	Designated or undesignated assets of local importance.
---	-----	--------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

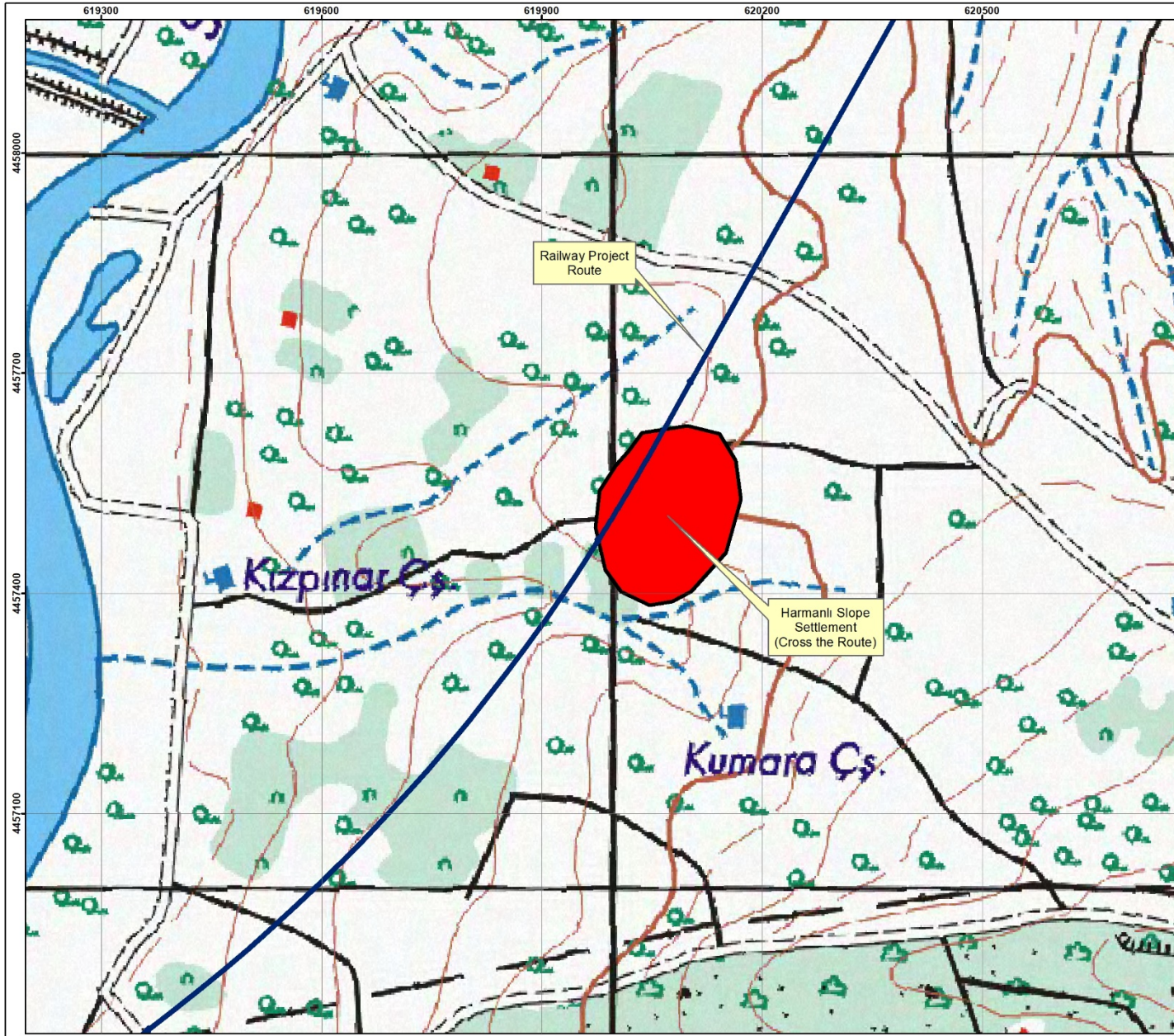
No change	No change	
-----------	-----------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)



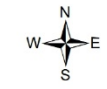


Form No: 42

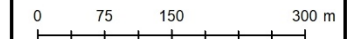


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (High Risk)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 023

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Harmanlı Slope Settlement
Province / District	Bursa
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

3	Medium	Designated or undesignated assets that can contribute significantly to regional research objectives.
---	--------	------------------------------------------------------------------------------------------------------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

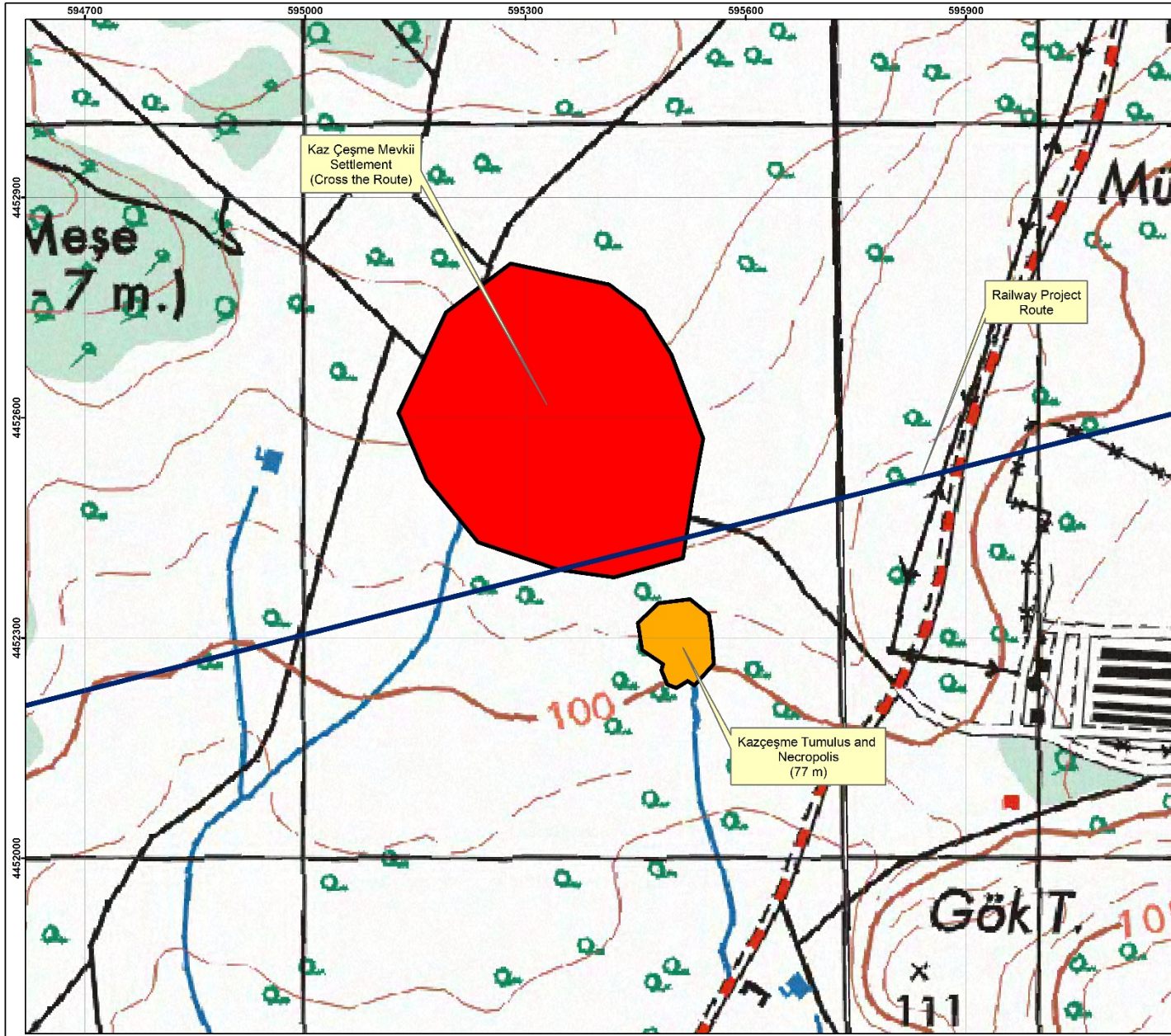
Minor	Changes to key archaeological materials, such that the resource is slightly altered.	
-------	--------------------------------------------------------------------------------------	--

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 43

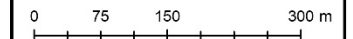


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Risky)
- Cultural Heritage Area (High Risk)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 027

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

<b>Name</b>	Kazçeşme Mevkii Necropolis
<b>Province / District</b>	Bursa
<b>Neighborhood</b>	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

4	High	Undesignated sites of the quality and importance to be designated
---	------	-------------------------------------------------------------------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

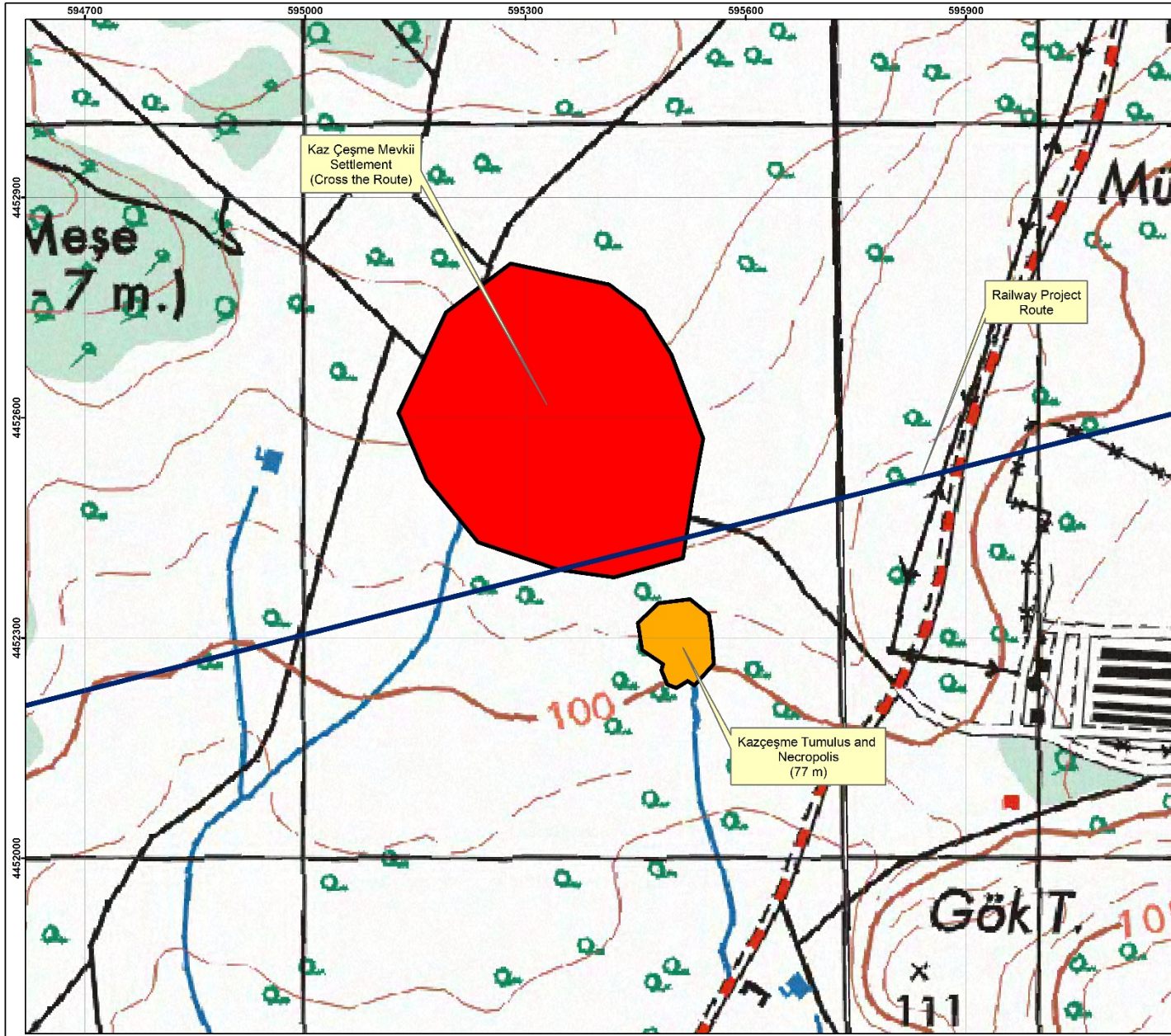
No change	No change	
-----------	-----------	--

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 44

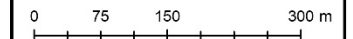


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Risky)
- Cultural Heritage Area (High Risk)



Scale: 1/5.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 027

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

<b>Name</b>	Kaz Çeşme Mevki Settlement
<b>Province / District</b>	Bursa
<b>Neighborhood</b>	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

4	High	Undesignated sites of the quality and importance to be designated
---	------	-------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

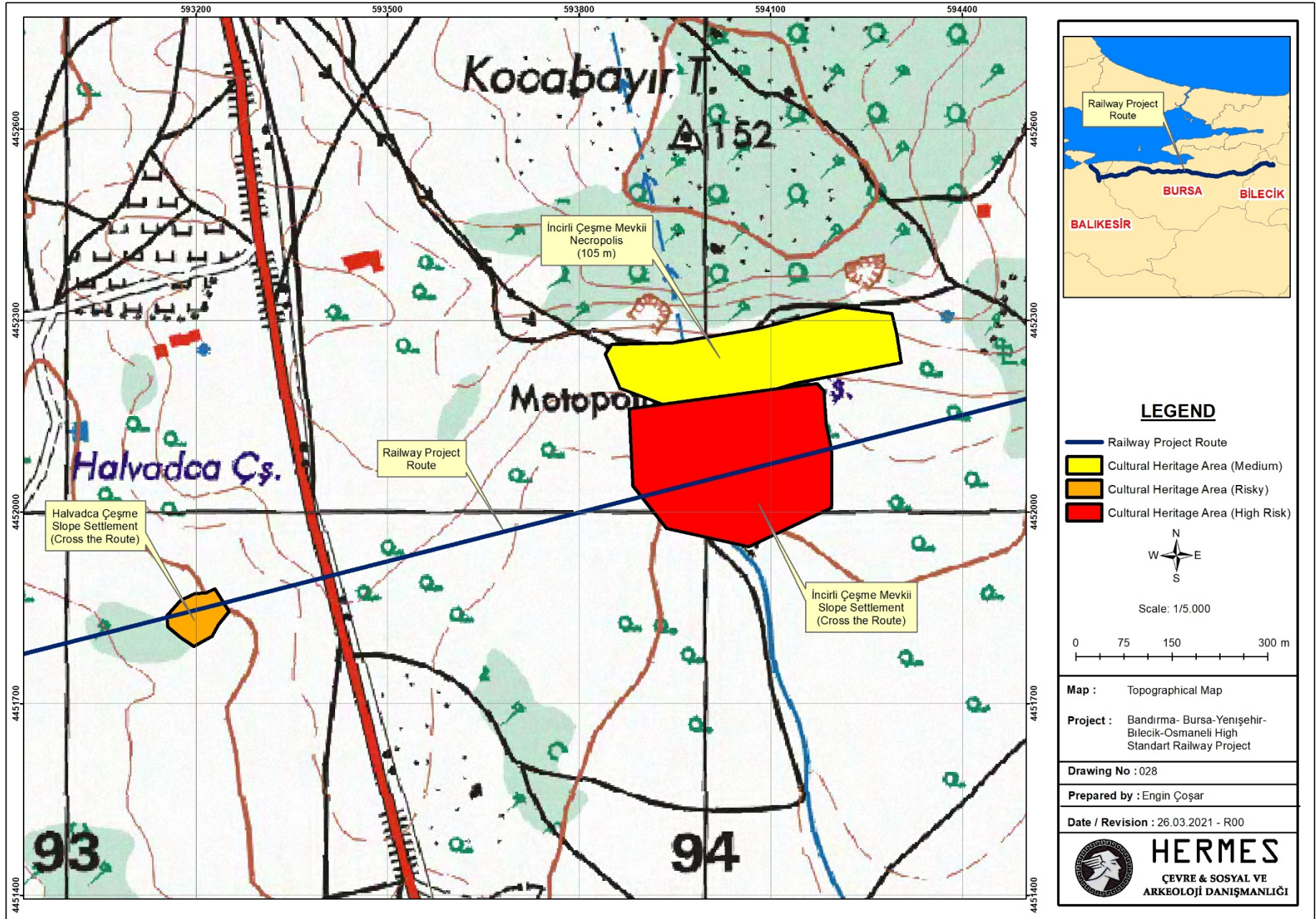
Minor	Changes to key archaeological materials, such that the resource is slightly altered.	
-------	--------------------------------------------------------------------------------------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 45



Name	İncirli Çeşme Mevki Necropolis
Province / District	Balıkesir- Bandırma
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

4	High	Undesignated sites of the quality and importance to be designated
---	------	-------------------------------------------------------------------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

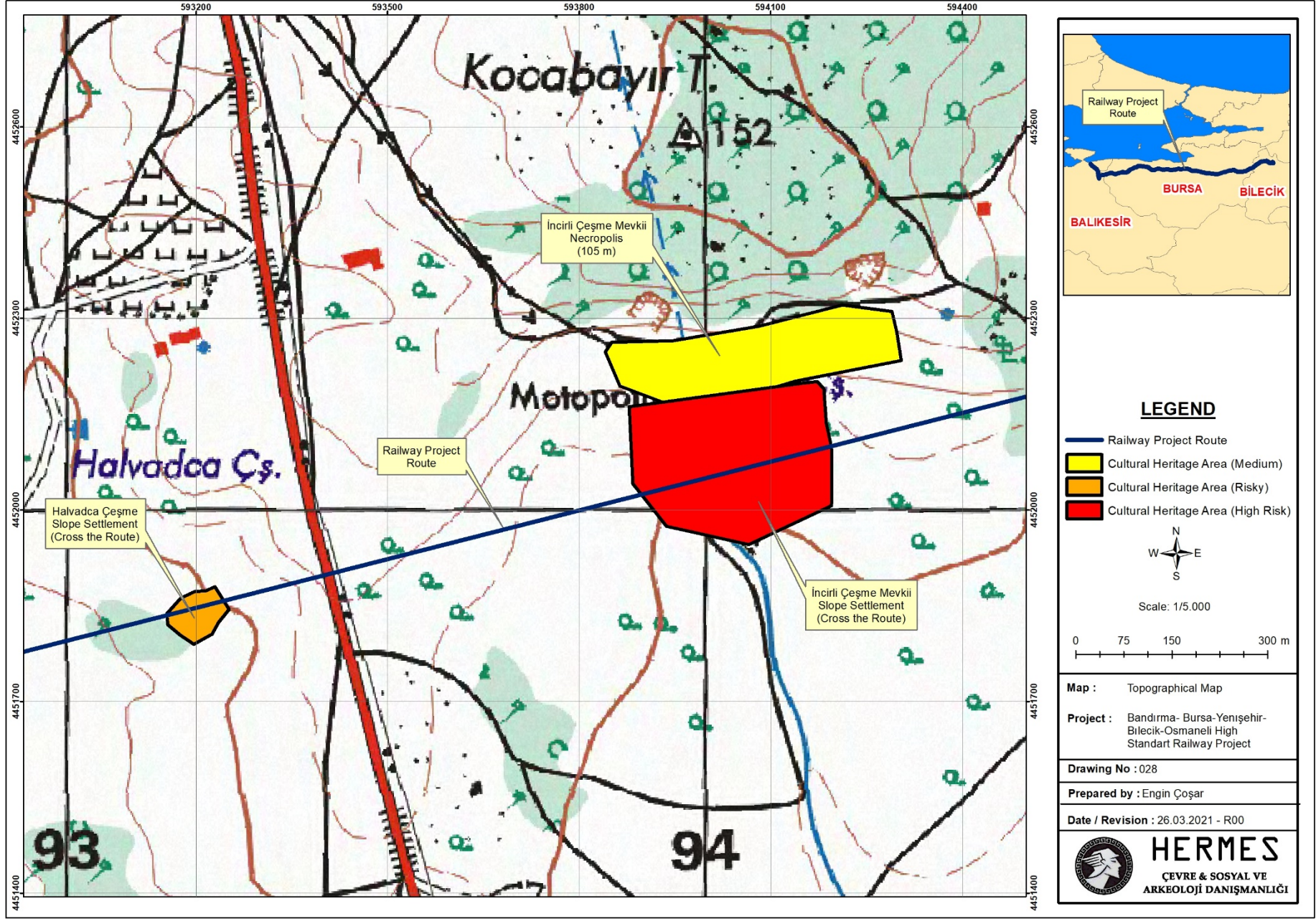
No change	No change	
-----------	-----------	--

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 46



Name	İncirli Çeşme Mevki Slope Settlement
Province / District	Balıkesir-Bandırma
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

4	High	Undesignated sites of the quality and importance to be designated
---	------	-------------------------------------------------------------------

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

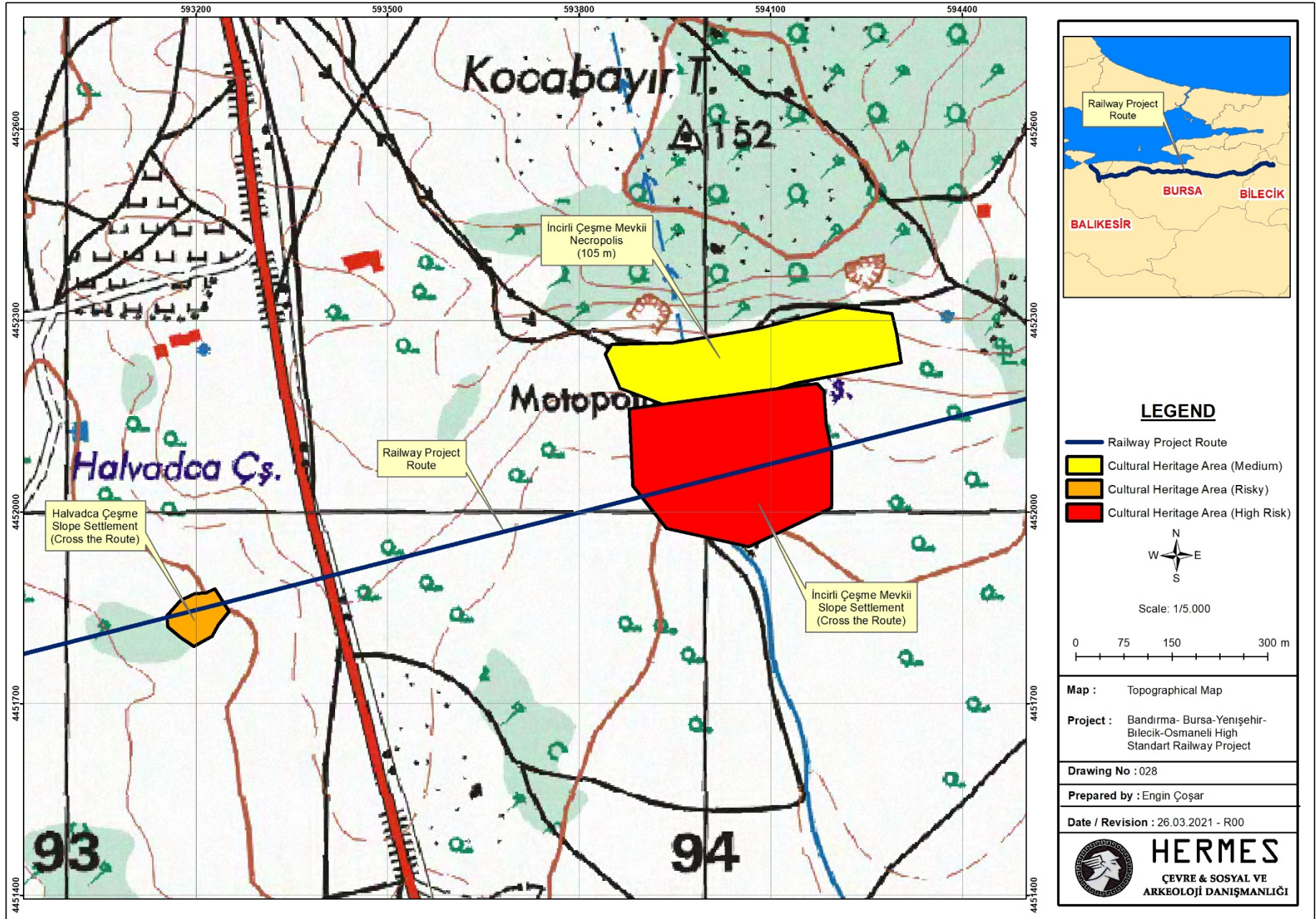
Moderate	Changes to many key archaeological materials, such that the resource is clearly modified.	
----------	-------------------------------------------------------------------------------------------	--

Source [https://www.iccom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 47



Name	Halvadca çeşme Slope Settlement
Province / District	Balıkesir-Bandırma
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

2	Low	Assets compromised by poor preservation and/or poor survival of contextual associations.
---	-----	------------------------------------------------------------------------------------------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

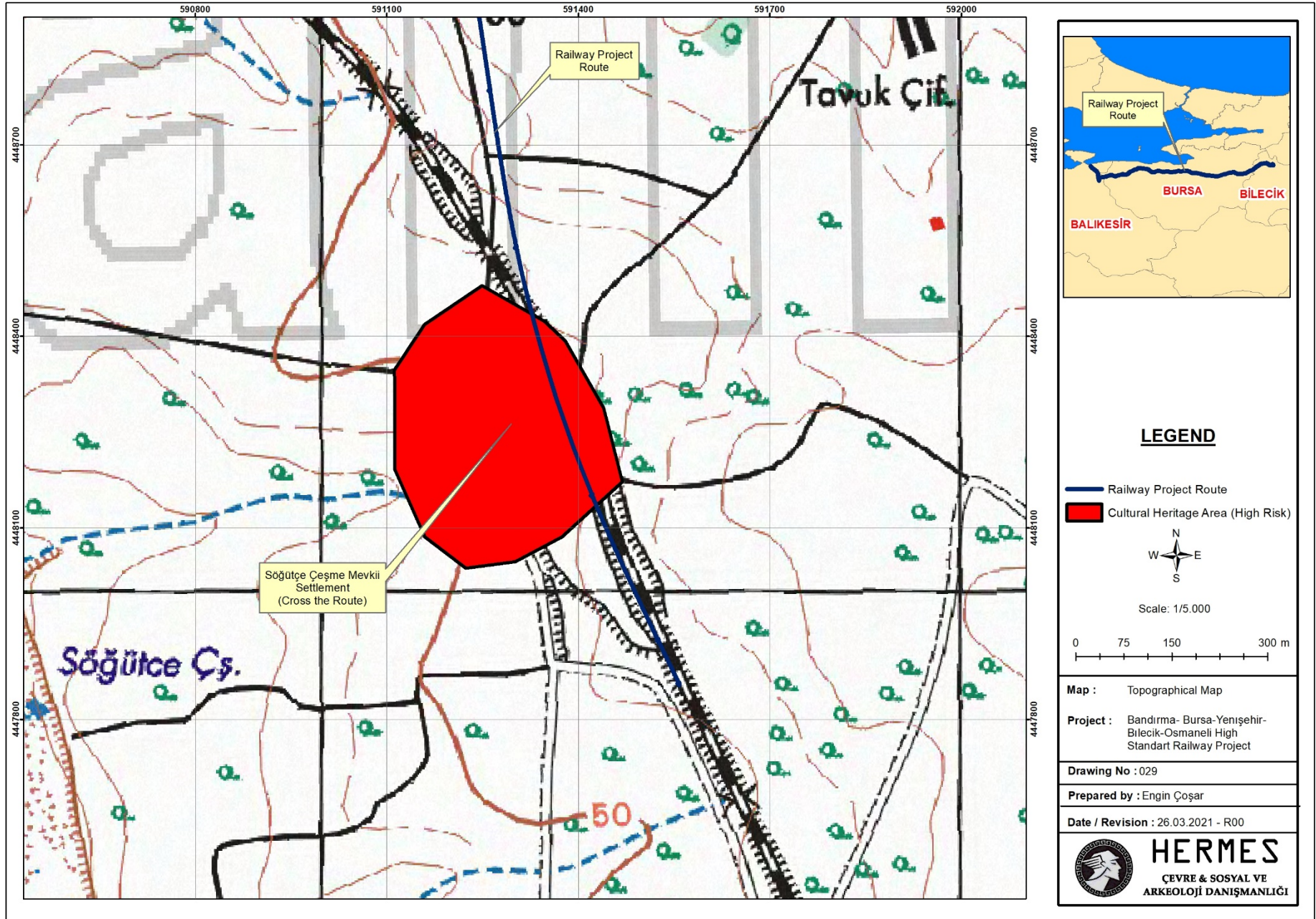
Minor	Changes to key archaeological materials, such that the resource is slightly altered.	
-------	--------------------------------------------------------------------------------------	--

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 48



Name	Söğütçe Çeşme Mevkii Settlement
Province / District	Balıkesir-Bandırma
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

4	High	Undesignated sites of the quality and importance to be designated
---	------	-------------------------------------------------------------------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

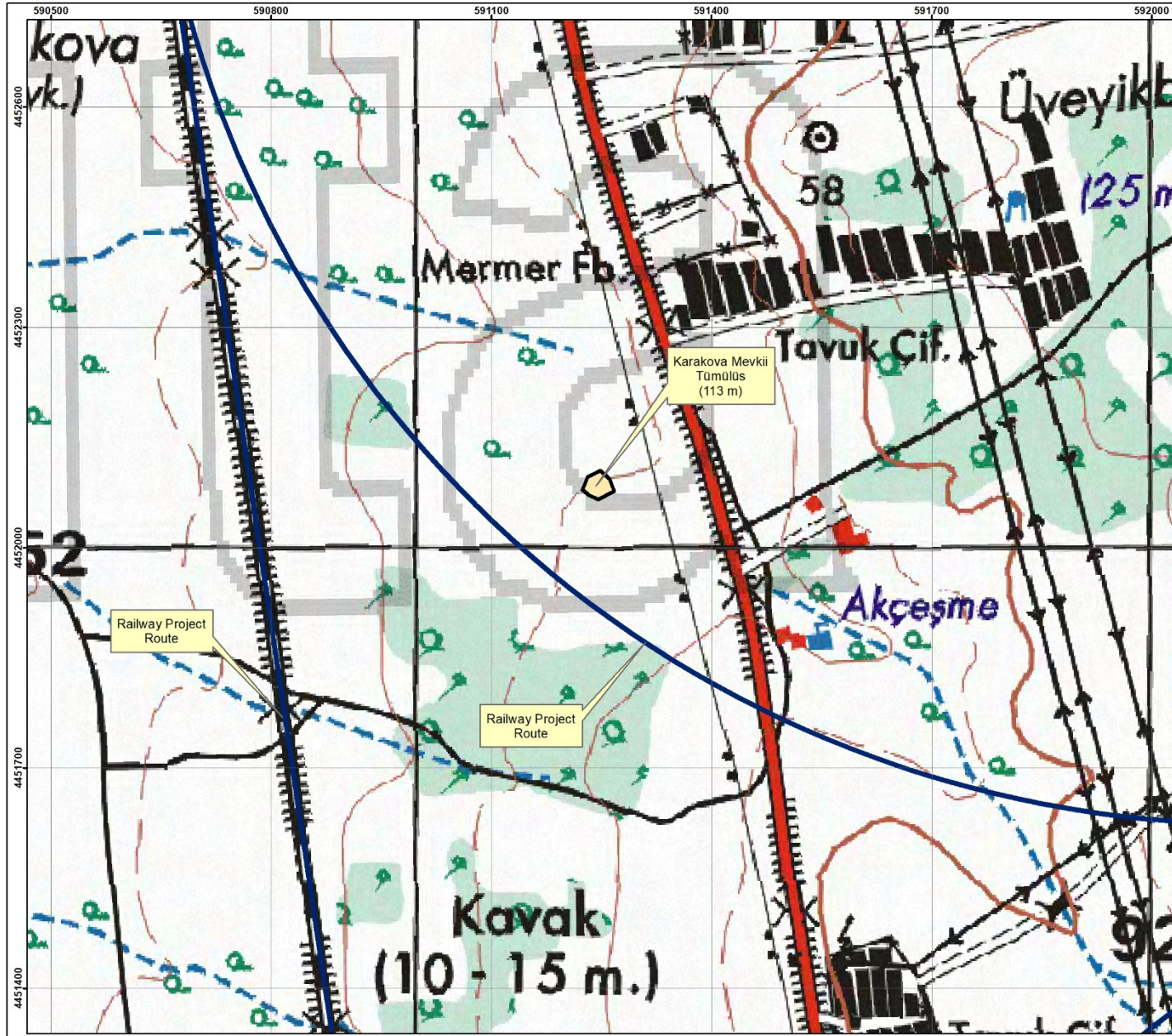
Minor	Changes to key archaeological materials, such that the resource is slightly altered.	
-------	--------------------------------------------------------------------------------------	--

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 49



**LEGEND**

- Railway Project Route
  - Cultural Heritage Area (No Effect)
- N  
W — E  
S
- Scale: 1/5.000
- 0 75 150 300 m

Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 030

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

<b>Name</b>	Karakova Mevki Tumulus
<b>Province / District</b>	Balıkesir-Bandırma
<b>Neighborhood</b>	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

2	<b>Low</b>	Assets compromised by poor preservation and/or poor survival of contextual associations.
---	------------	------------------------------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

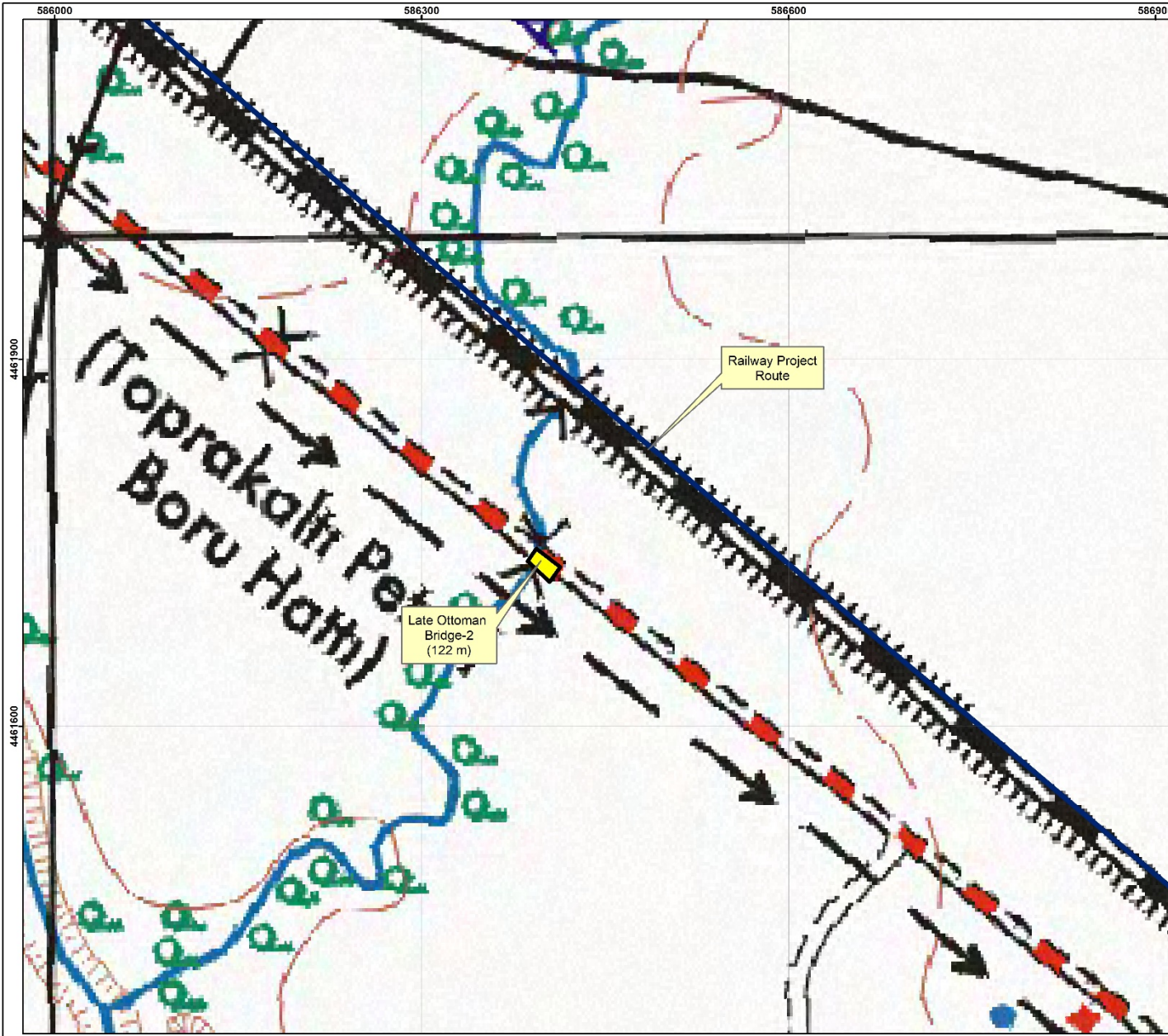
<b>No change</b>	No change	
------------------	-----------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 50



**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Medium)



Scale: 1/3.000

0 40 80 160 m

Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 034

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Late Ottoman Bridge 2
Province / District	Bandırma
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

3	Medium	Designated or undesignated assets that can contribute significantly to regional research objectives.
---	--------	------------------------------------------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

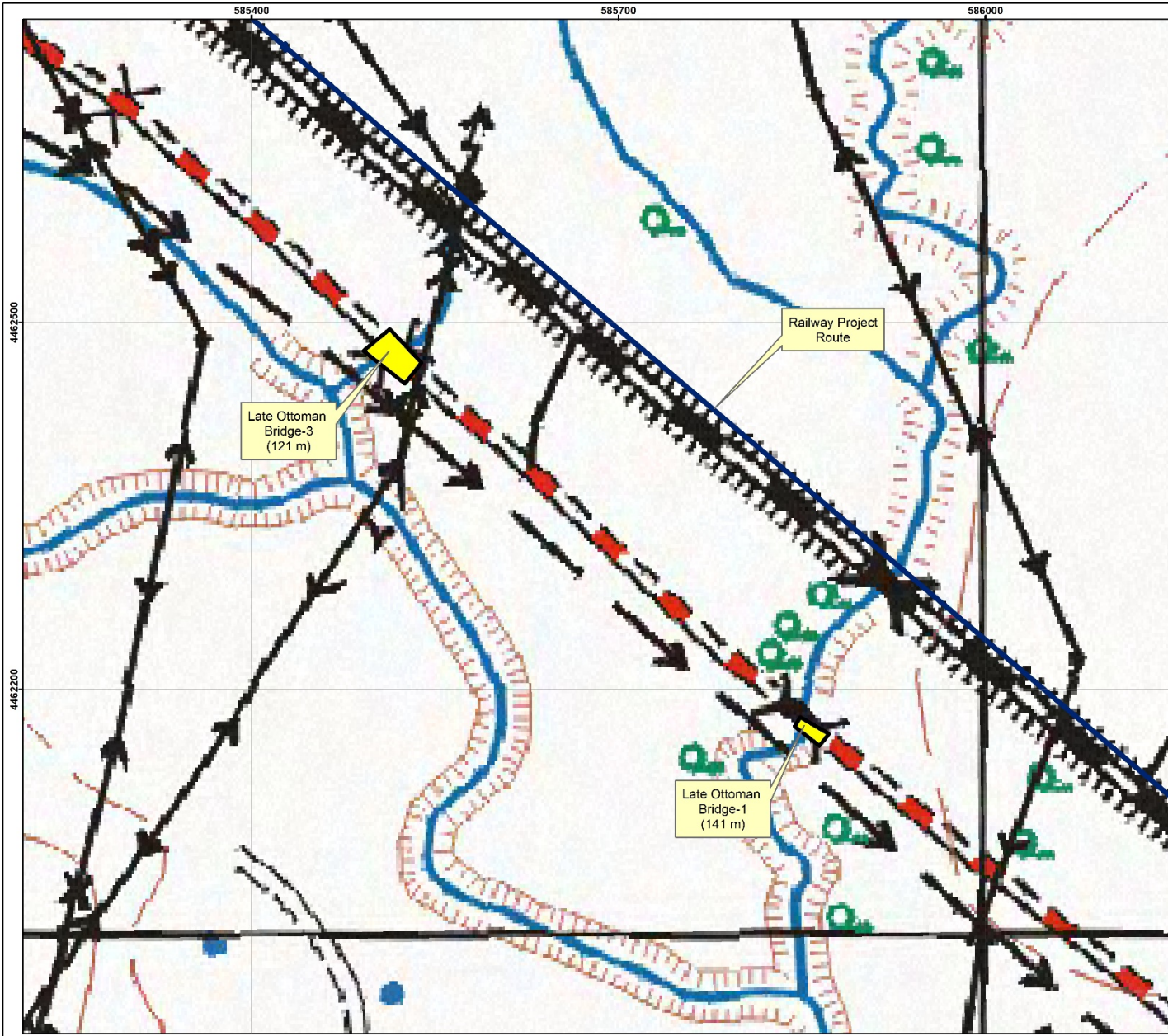
No change	No change	
-----------	-----------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 51

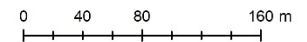


**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Medium)



Scale: 1/3.000



Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 035

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Late Ottoman Bridge 1
Province / District	Bandırma
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

3	Medium	Designated or undesignated assets that can contribute significantly to regional research objectives.
---	--------	------------------------------------------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

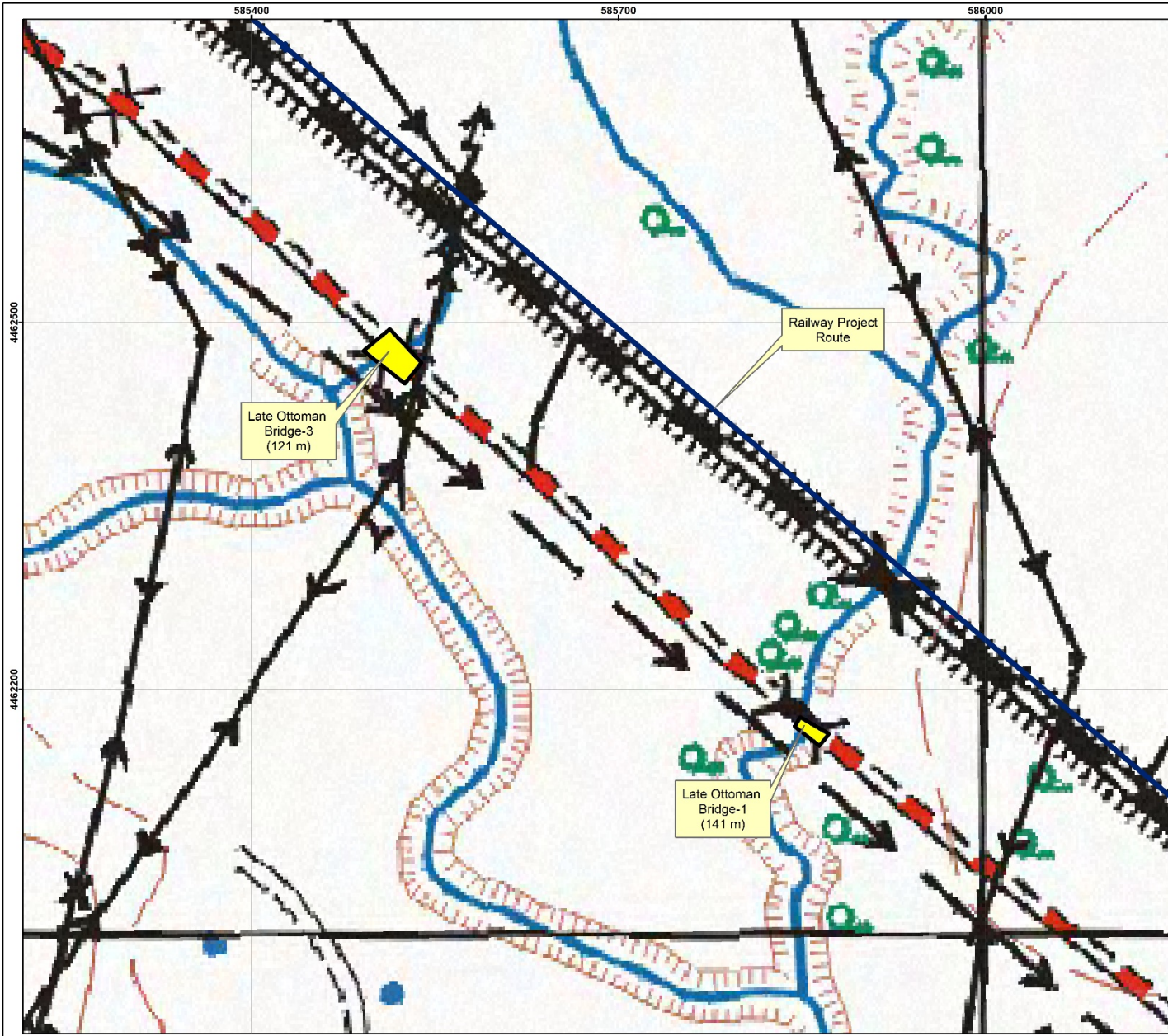
No change	No change	
-----------	-----------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 52



**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Medium)



Scale: 1/3.000

0 40 80 160 m

Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 035

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Late Ottoman Bridge 3
Province / District	Bandırma
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

3	Medium	Designated or undesignated assets that can contribute significantly to regional research objectives.
---	--------	------------------------------------------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

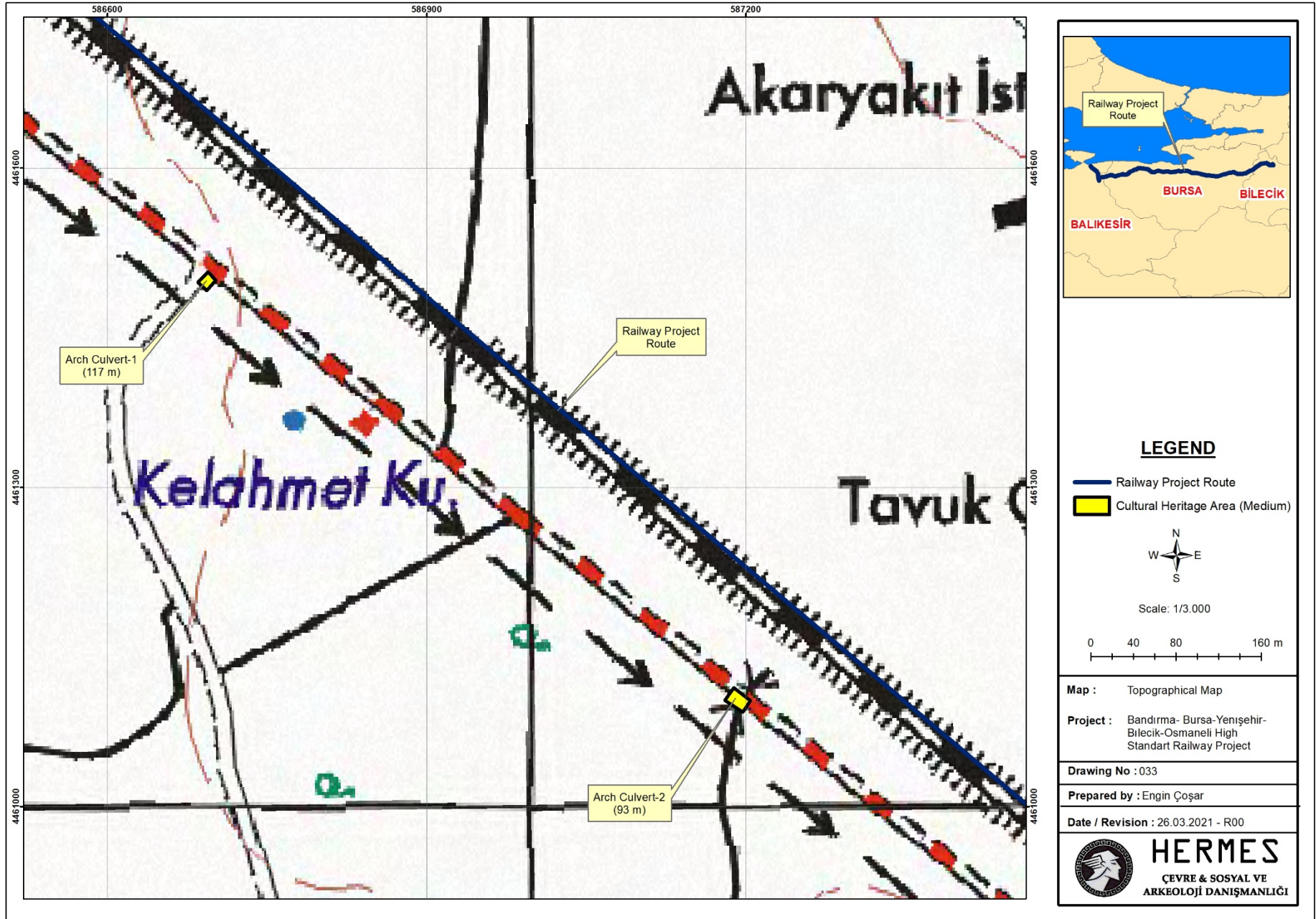
No change	No change	
-----------	-----------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 53



Name	Arch Culvert 1
Province / District	Bandırma
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

3	Medium	Designated or undesignated assets that can contribute significantly to regional research objectives.
---	--------	------------------------------------------------------------------------------------------------------

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

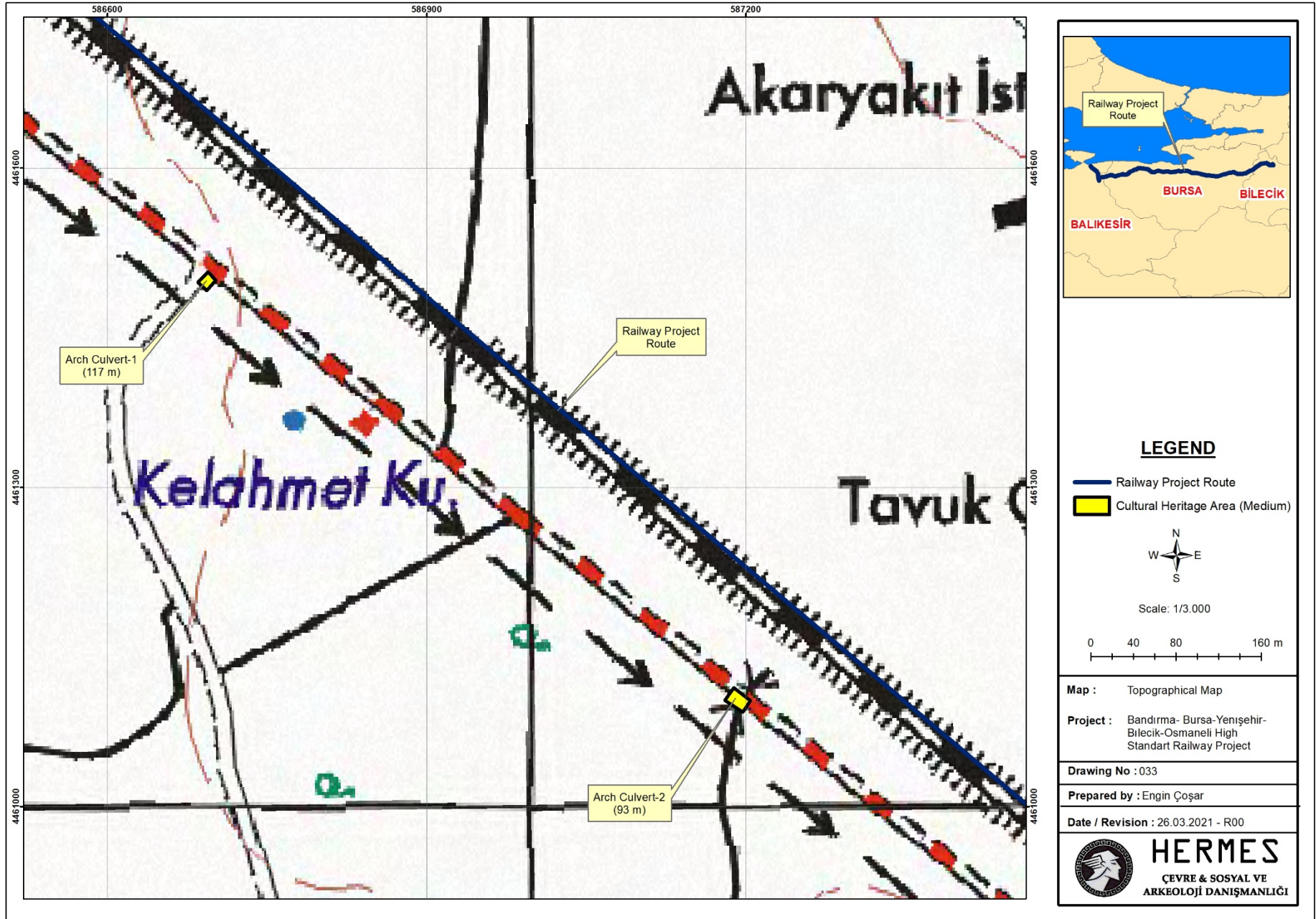
No change	No change	
-----------	-----------	--

Source [https://www.iccrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.iccrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 54



Name	Arch Culvert 2
Province / District	Bandırma
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

3	Medium	Designated or undesignated assets that can contribute significantly to regional research objectives.
---	--------	------------------------------------------------------------------------------------------------------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

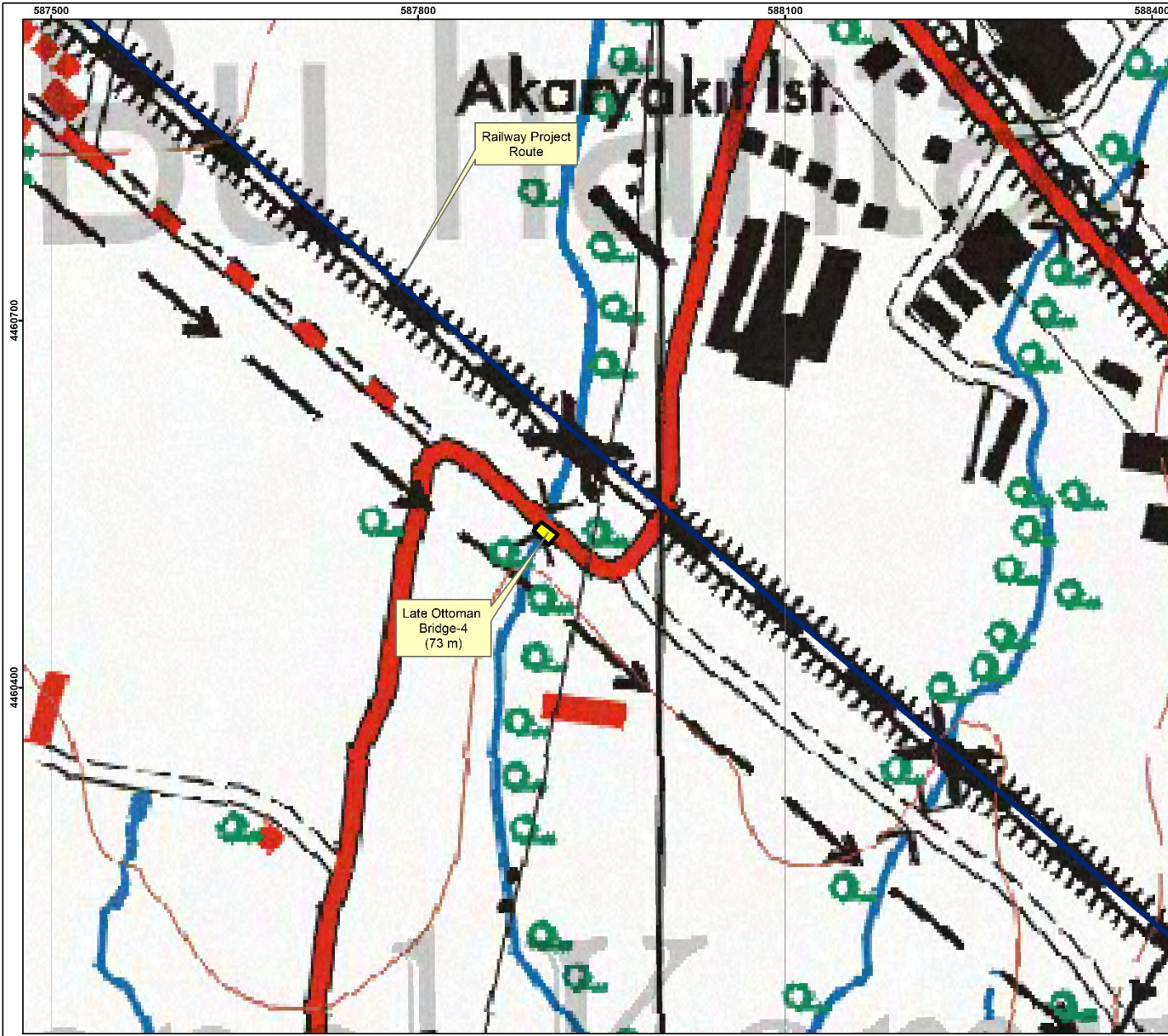
No change	No change	
-----------	-----------	--

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 55



**LEGEND**

- Railway Project Route
- Cultural Heritage Area (Medium)



Scale: 1/3.000

0 40 80 160 m

Map : Topographical Map

Project : Bandırma- Bursa-Yenişehir-  
Bilecik-Osmaneli High  
Standard Railway Project

Drawing No : 032

Prepared by : Engin Çoşar

Date / Revision : 26.03.2021 - R00



**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

Name	Late Ottoman Bridge 4
Province / District	Bandırma
Neighborhood	

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

3	Medium	Designated or undesignated assets that can contribute significantly to regional research objectives.
---	--------	------------------------------------------------------------------------------------------------------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

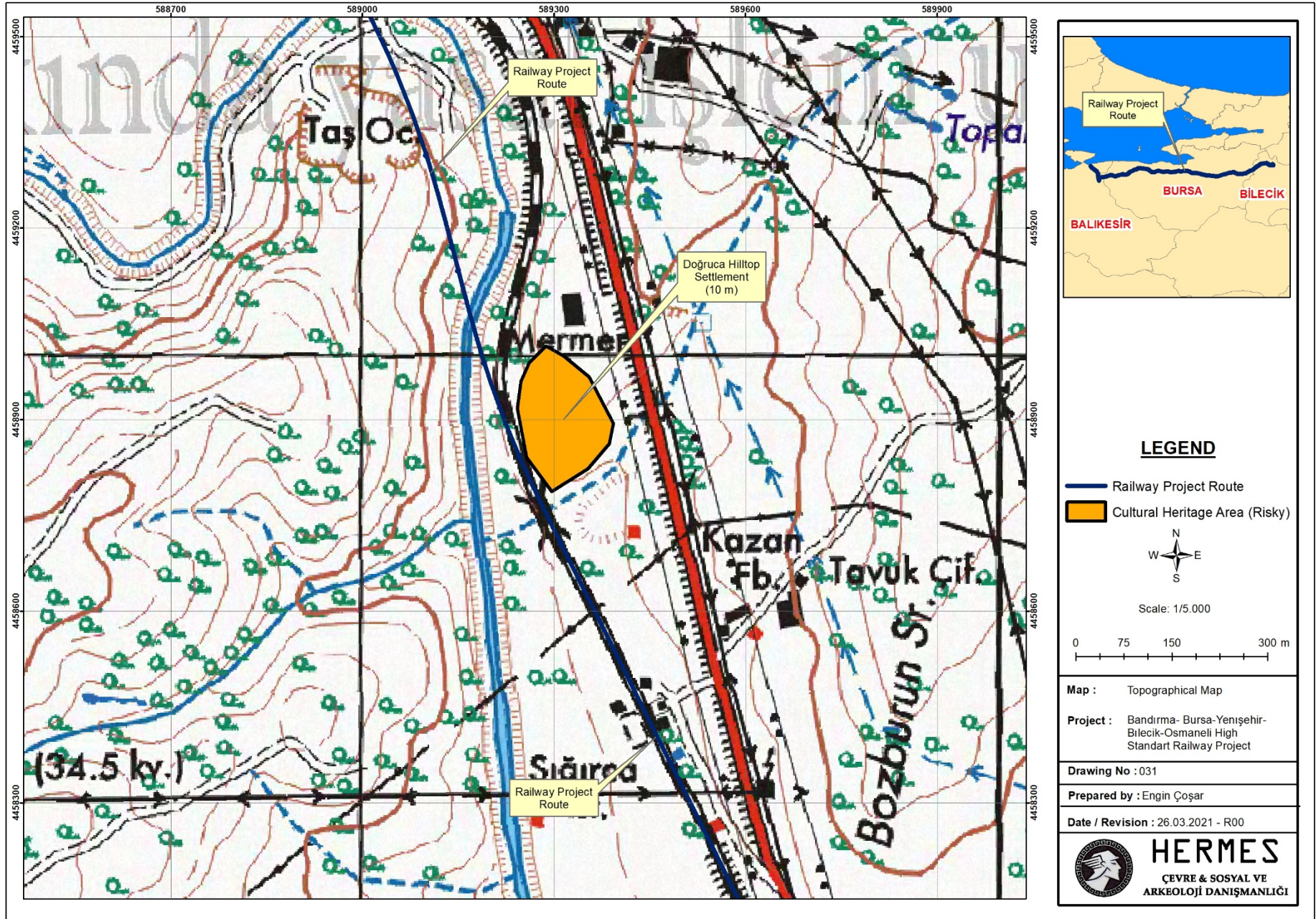
No change	No change	
-----------	-----------	--

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





Form No: 56



<b>Name</b>	Doğruca Hilltop Settlement
<b>Province / District</b>	Bandırma
<b>Neighborhood</b>	Doğruca Mah.

ICOMOS Guide for Assessing Value of Heritage Assets, According to the Appendix 3A Table

3	Medium	Designated or undesignated assets that can contribute significantly to regional research objectives.
---	--------	------------------------------------------------------------------------------------------------------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)

ICOMOS Guide for Assessing Magnitude of Impact, According to the Appendix 3B Table

No change	No change
-----------	-----------

Source [https://www.icrom.org/sites/default/files/2018-07/icomos\\_guidance\\_on\\_heritage\\_impact\\_assessments\\_for\\_cultural\\_world\\_heritage\\_properties.pdf](https://www.icrom.org/sites/default/files/2018-07/icomos_guidance_on_heritage_impact_assessments_for_cultural_world_heritage_properties.pdf)





**BANDIRMA - BURSA YENİŞEHİR – BİLECİK OSMANELİ  
HIGH STANDART RAILWAY PROJECT**

**CULTURAL HERITAGE MANAGEMENT PLAN**



**HERMES**

ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

İşçi Blokları Mahallesi Budapeşte  
Caddesi 4-2

Çankaya / Ankara

05331661064

[info@hermesdanismanlik.com.tr](mailto:info@hermesdanismanlik.com.tr)

April/2021





**HERMES**

ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

BANDIRMA- BURSA YENİŞEHİR – BİLECİK OSMANLI  
HIGH STANDART RAILWAY PROJECT  
CULTURAL HERITAGE MANAGMENT PLAN

## TABLE OF CONTENTS

<b>LIST OF TABLES .....</b>	<b>iii</b>
<b>LIST OF FIGURES.....</b>	<b>iii</b>
<b>APPENDICES .....</b>	<b>iii</b>
<b>ABBREVIATIONS.....</b>	<b>iv</b>
<b>1. PURPOSE AND SCOPE .....</b>	<b>1</b>
<b>2. LEGISLATION FRAMEWORK.....</b>	<b>3</b>
2.1 Law on Protection of Cultural and Natural Assets (Law No: 2863 (published in the Official Gazette dated July 21, 1983)) .....	3
2.1.1 Definitions ( <i>Article 3 of the Law numbered 2863</i> ).....	4
2.1.2 Obligation to Inform (Article 4 of the Law numbered 2863).....	4
2.1.3 Legal Necessities before the Impact Mitigation Measures (Article 7 of the Law numbered 2863) .....	4
2.2 Regulation on Determination and Registration of Immovable Cultural and Natural Heritage (Official Gazette dated 10.12.1987 and numbered 19660) .....	4
2.3 European Convention on The Protection of The Archaeological Heritage (Revised) (Valetta, 16/01-1992).....	5
2.4 Convention Concerning the Protection of the World Cultural and Natural Heritage, 1972	5
<b>3. ROLES AND RESPONSIBILITIES.....</b>	<b>6</b>
3.1 Management of Cultural Heritage .....	6
3.2 Management Structure and Responsibilities.....	7
<b>4. TRAINING, REPORTING AND MONITORING .....</b>	<b>8</b>
4.1 Training.....	8
4.2 Reporting .....	8
4.3 Monitoring.....	8
<b>5. ARCHAEOLOGICAL FINDINGS.....</b>	<b>9</b>
5.1 Intangible Cultural Heritage .....	9
5.2 Archaeological Findings of Minor Significance.....	9
5.3 Archaeological Findings of Moderate Significance .....	9
5.4 Archaeological Findings of Major Significance.....	10
<b>6. REFERENCES.....</b>	<b>11</b>



## LIST OF TABLES

**Şekil tablosu ögesi bulunamadı.**

## LIST OF FIGURES

**Figure 1** Layout of the Bandırma- Bursa Yenişehir – Bilecik Osmaneli High Standard Railway Project ..... 2

## APPENDICES

**APPENDIX 1-** Archaeological and Cultural Heritage Findings within Project Site

**APPENDIX-2:** Chance Find Procedure

**APPENDIX 3:** CONTACT INFORMATION OF RELATED MUSEUM DIRECTORATES AND  
REGIONAL BOARD DIRECTORATES

**APPENDIX 4 –** Archaeological Finding of Project Route





# HERMES

ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

BANDIRMA- BURSA YENİŞEHİR – BİLECİK OSMANELİ  
HIGH STANDART RAILWAY PROJECT  
CULTURAL HERITAGE MANAGMENT PLAN

## ABBREVIATIONS

AD	Anno Domini
Archeo-Team	Archaeological Field Survey Team / Expert
Asst. Prof.	Assistant Professor
BC	Before Chris
CF	Chance Find
CHA	Cultural Heritage Area
CHMP	Cultural Heritage Management Plan
ICOMOS	International Council on Monuments and Sites
ICCROM	The International Centre for the Study of the Preservation and Restoration of Cultural Propert
GIS	Geographical Information System
KM	Kilometre
KML	Keyhole Markup Language
KMZ	Keyhole Markup Language Zipped
IFC	International Finance Corporation
EBRD	European Bank for Reconstruction and Development
M	Meter
No	Number
Shp (shape)	Netcad data name
Project Owner	BANDIRMA- BURSA YENİŞEHİR – BİLECİK OSMANELİ HIGH STANDARD RAILWAY PROJECT
UK	United Kingdom
UNESCO	The United Nations Educational, Scientific and Cultural Organization
WB	World Bank
WGS	World Geodetic System





**HERMES**

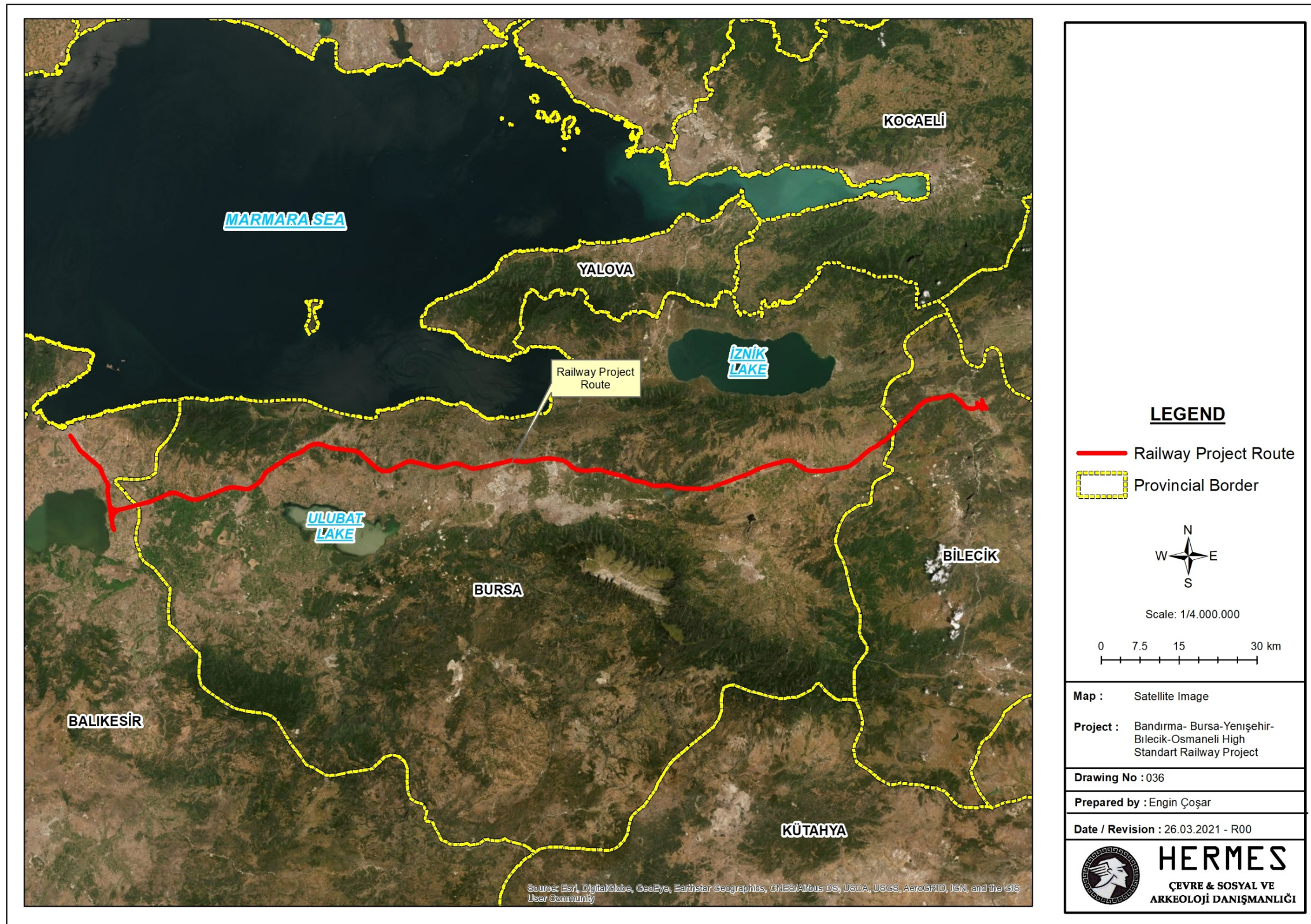
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

BANDIRMA- BURSA YENİŞEHİR – BİLECİK OSMANELİ  
HIGH STANDARD RAILWAY PROJECT  
CULTURAL HERITAGE MANAGEMENT PLAN

## **1. PURPOSE AND SCOPE**

The intention of this Cultural Heritage Management Plan (CHMP) is to preserve the archaeological and cultural heritage within the scope of Bandırma-Yenişehir- Osmanieli High Standard Railway Project and minimize the possible impacts. The impact mitigation considering the existing and potential archaeological sites at the project area within Project area is possible by developing a management plan. Therefore, the construction activities within the national legislation and provisions in international standards should be conducted under the scope of this management plan. In the document, a management plan is defined in general terms for the archaeological heritage within the Project area





**Figure 1** Layout of the Bandırma- Bursa Yenişehir – Bilecik Osmaneli High Standard Railway Project  
(Source: SEP)





## 2. LEGISLATION FRAMEWORK

In this section, the legislation framework that is related to the management of cultural heritage is summarized

### 2.1 Law on Protection of Cultural and Natural Assets (Law No: 2863 (published in the Official Gazette dated July 21, 1983))

The management plan for archaeological heritage mitigation strategies along the project site corridor is to be designed to meet the requirements stipulated in the Law on Protection of Cultural and Natural Assets, Law No. 2863, (July 21, 1983).

The objective of the Law is to set the definitions regarding the movable and fixed cultural and natural assets that shall be protected; to define the procedures and activities to be performed and to establish the formation and responsibilities of the organization that will enforce the required principles and implementation of action decisions on this subject." (Official Gazette, 23/7/1983 number 18113).

In the law archaeological sites are classified under three categories. These are:

- 1<sup>st</sup> Degree Archaeological Sites,
- 2<sup>nd</sup> Degree Archaeological Sites,
- 3<sup>rd</sup> Degree Archaeological sites

Principle Decision No: 658 defines these sites as follows:

- **1st Degree Archaeological Sites:** Areas requiring highest level of protection. They should be preserved with the exception of scientific excavations. The area should be free of any type of buildings and construction. All kinds of construction, excavation, and modification activities are prohibited. However, for exceptional cases such as the necessity for infrastructure construction, Regional Preservation Boards may permit such activities based on the approval of the relevant museum and the head of the scientific excavation team.
- **2nd Degree Archaeological Sites:** Areas requiring *high* level of protection. They should be preserved based on the conditions of protection and utilization set by the Regional Preservation Boards. Additional construction is prohibited. As for the 1st Degree Site Degree archaeological sites, for exceptional cases such as the necessity for infrastructure construction, Regional Preservation Boards may permit such activities based on the approval of the relevant museum and the head of the scientific excavation team.
- **3rd Degree Archaeological Sites:** Lowest level of protection area. Construction is permitted based on the decisions of Regional Preservation Boards. Before applying for a construction permit, test pit excavations should be conducted and the outcomes of these excavations should be reviewed by the





relevant museum and, if present, the head of the scientific excavation team. **All excavations are under the supervision of museum expert.** Reviews should be submitted to Regional Preservation Boards. The Boards may ask for extension of the areal test pit coverage before taking any decision.

The archeological and cultural heritage findings were listed in the Archaeology Baseline Report and is also given Appendix-1.

#### **2.1.1 Definitions (Article 3 of the Law numbered 2863)**

**Article 3 of the Protection of Cultural and Natural Entities Law provides the following definitions:**

- *Cultural Assets are all over-ground, underground or submarine movable and fixed assets related with science, culture, religion and fine arts, belonging to prehistoric and historic eras.*
- *Natural Assets are the over-ground, underground or submarine assets that belong to geological eras, prehistoric and historic eras and that shall be protected because of their rarity or specifications and preciousness.*

#### **2.1.2 Obligation to Inform (Article 4 of the Law numbered 2863)**

In case of chance find of movable or immovable cultural assets, the nearest museum directorate or mukhtar in the villages, local authorities in other places should be informed. If these cultural assets are encountered within military posts and forbidden areas, major commands should be duly informed. Mukhtar should inform the nearest **local** authority within a day (24 hours), the **local** authority and other authorities should report the incident to the Ministry of Culture and Tourism and the related museum directorate via formal letter. The Ministry of Culture and Tourism, General Directorate of Cultural **Heritage and Museums** and related **Regional Board Directorate of Protection of Cultural Heritage** are responsible for the registration of the cultural heritage

#### **2.1.3 Legal Necessities before the Impact Mitigation Measures (Article 7 of the Law numbered 2863)**

In Article 7, it is stated that the related **Regional Board Directorate of Protection of Cultural Heritage** are responsible for the registration of the cultural and natural heritage. Therefore, for the registration of the immovable cultural assets, it is required to apply officially and directly to the related **Regional Board Directorate of Protection of Cultural Heritage**.

#### **2.2 Regulation on Determination and Registration of Immovable Cultural and Natural Heritage (Official Gazette dated 10.12.1987 and numbered 19660)**

The aim of this regulation is to introduce principles on permits about researches and excavations to be conducted under the law of protection of cultural and natural entities, the





preservation necessities of the findings, studies on these findings, the assignments, duties and authorizations, rights and expenses of the related persons.

### **2.3 European Convention on The Protection of The Archaeological Heritage (Revised) (Valetta, 16/01-1992)**

This convention is known as the Valetta Convention. It sets guidelines for the funding of excavation and research work and publication of research findings. It also deals with public access, in particular to archaeological sites, and educational actions to be undertaken to develop public awareness of the value of the archaeological heritage

### **2.4 Convention Concerning the Protection of the World Cultural and Natural Heritage, 1972**

Turkey is a signatory to this Convention (The World Heritage Convention), which was approved by The General Conference of the United Nations Educational, Scientific and Cultural Organization (UNESCO), meeting in Paris from 17 October to 21 November 1972.

The signatories to this Convention have agreed "to ensure that effective and active measures are taken for the protection, conservation and presentation of the cultural and natural heritage" on their territories.





### 3. ROLES AND RESPONSIBILITIES

Project Owner will be responsible for the preparation and implementation of the environmental and social impact assessment-based management plans, which will be project specific. These plans shall be practical, detailed procedures for use in the field.

Project Owner will ensure the implementation of the commitments stated in the ESIA.

Project Owner will also be responsible for the performance of all sub-contractors with respect to the project specific plans and shall comply with all relevant project standards, statutory requirements, permit and license conditions and secure all applicable permits and licenses.

#### 3.1 Management of Cultural Heritage

The basic definitions regarding the management of cultural heritage are given in the following bullets:

- Ministry of Culture and Tourism is the responsible authority.
- Museum Directorate is responsible to provide experts for the sites within 24 hours after being informed and to officially define the Chance Find (see Appendix-2). ***Museum directorate is responsible excavation of chance find areas. Museum Directorate will follow the directions and decisions from Regional Board Directorate of Protection of Cultural Heritage.***
- ***Regional Board Directorate of Protection of Cultural Heritage*** is the only decision maker on any intervention, which would be made on the site after the chance find.
- Project Owner is responsible for the management of archaeological issues during the progress of construction of the Project site area and implementation of related management plan and chance find procedure.
- *Project Owner will employ archaeologists at the Project site responsible for the monitoring of ground disturbance activities. They are also responsible with the monitoring of the implementation of the Cultural Heritage Management Plan (CHMP) and chance find procedure.*
- *Project Owner will ensure that Chance Finds procedure is adequately enforced during ground disturbance activities. During the implementation of the Chance Finds procedure on site, Project Owner will directly report the issue to Museum archaeologist and relevant Regional Preservation Board.*
- *Salvage excavation (and other Chance find issues) (If necessary) are under the responsibility of Project Owner.*
- Project Owner is also responsible for giving necessary trainings to the field staff about the implementation of the chance find procedure.





- *Project Owner will record all chance finds on the Chance Finds Report Form and in the Chance Finds Register as per the Chance Find Procedure in Appendix-2.*

### **3.2 Management Structure and Responsibilities**

Project Owner will be responsible for the management of the plan and procedure about archaeological issues of Project site. The Archaeologist of Project Owner will train the employees about cultural heritage and chance find procedure (see Section 4.1). Also, the monitoring of the construction works will be the responsibility of Project Owner Archaeologist (see Section 4.3).

The Project Manager will be in charge of the all-construction work team.

The Archaeologists will work with the equipment operators and have authority to the stop work. Each will accompany a top soil stripping crew during ROW clearing. They will direct the operator to stop work or redirect stripping activities in case of a chance find. They will submit scheduled progress reports and special reports of chance finds to Environmental and Social Coordinators.

In addition to the Chance Find Procedure, the Eskişehir, Bursa and Balıkesir Regional Board Directorates will decide for the requirement of a salvage excavation if needed. The contact information of these board directorate is given in Appendix-3. The excavation permissions will be obtained by the relevant museum directorate from the General Directorate of Cultural Heritage and Museums. Following the permission, Project Owner will provide a team of qualified archaeologist to conduct the salvage excavation within the framework of their contract under the guidance of Project Archaeologist / Consultant archaeologist, who will follow the instructions of the related museum directorate). These works may cover non- destructive research methods such as remote sensing and geophysics and test pit excavations. The negotiations and meetings with the related Regional Board Directorate of Protection of Cultural Heritage on technical topics during and after the salvage excavation will be held by Project Archaeologist / Consultant archaeologist.

**During the construction activities, there will be no blasting within 300 m of archaeological sites (pls see “Implementing Regulation of Mining Activities, Item 24”).**





## **4. TRAINING, REPORTING AND MONITORING**

### **4.1 Training**

The Archaeological Monitoring archaeologist/consultant of Project Owner will provide cultural heritage training to all project crew including the implementation of the chance find procedure as part of the Project trainings. Archaeologists of Project Owner will receive archaeological training as well as specialized training for the procedures they are to follow for monitoring site construction activities.

### **4.2 Reporting**

Project Owner will record all chance finds on the Chance Finds Report Form (see CHMP, Appendix-2) and in the Chance Finds Register (see Appendix-3) as per the Chance Find Procedure in Appendix-2. The register will be kept up to date by **Project Owner** archaeologist. ***The chance finds report form will be kept in hard copy by archaeologist.***

### **4.3 Monitoring**

The function of the archaeological monitoring process will be as follows:

- Provide advice to define the areas where the construction activities may continue or shall be stopped due to Archaeological findings.
- To record archaeological features observed on, and close to the existing project site.
- To record archaeological features discovered during construction activities.
- To provide advice in the form of a 'preliminary assessment' to the construction superintendent on the significance and implications of new archaeological discoveries on the project site.

***All ground disturbance activities will be monitored by Project Owner's archaeologist*** during the construction of the project site and its Above Ground Facilities ***for evidence of cultural heritage items.*** In case of encountering archaeological findings, the Chance Find Procedure described in Appendix-2 will be initiated.





## **5. ARCHAEOLOGICAL FINDINGS**

The procedure given below that must be followed in case of encountering a chance find is based on national legislation and provisions in international standards. The significance of the archaeological finding may vary upon evaluation opinions of related museum experts.

### **5.1 Intangible Cultural Heritage**

Project Owner will liaise with local authorities to identify if project activities can interfere with traditional celebrations or festivities; alternative solutions will be agreed with local authorities. Furthermore, Project Owner will liaise with local authorities to identify if project activities restrict access to elements of traditional culture; alternative solutions will be agreed with local authorities

### **5.2 Archaeological Findings of Minor Significance**

This type of archaeological findings is comprised of a finding isolated from its environment or findings in notably small sizes which may be found by chance. In this case, chance find procedure (CHMP, Appendix-2) will be followed.

The finding will be reported to the archaeologist. The construction activities will be ceased in the field where the finding is discovered and the finding will be reported to the relevant museum expert by archaeologist. Following the completion of investigation of the notified relevant Museum Directorate, the necessary arrangements, such as the identification of the boundaries of the archaeological asset/site (finding), preservation by a protection band, notification of workers in order to prevent any physical intervention.

The archeological and cultural heritage findings in Project Site that were listed in the in the tables given in Appendix-1. The preservation methods and mitigation measures to be applied are also listed in these tables (See Archaeology Baseline Report). Moreover, the maps of the findings are also included in Appendix-4 and Archaeology Baseline Report.

### **5.3 Archaeological Findings of Moderate Significance**

This type of archaeological findings is small scale findings in groups or single findings with medium size architectural elements such as tombs. In this case, chance find procedure (CHMP, Appendix- 2) will be followed. In order to prevent a possible damage, necessary arrangements must be made to determine the boundaries of the archaeological remains to keep the construction equipment out of access.

**The finding will be reported to the construction manager and archaeologist by the Project Owner. The construction activities will be ceased in the field where the finding is discovered and the finding will be reported to the relevant museum expert by archaeologist. Following the completion of investigation of the notified relevant Museum Directorate, the necessary arrangements will be taken, such as the identification of the boundaries of the archaeological asset/site (finding),**





**preservation by a protection band, notification of workers in order to prevent any physical intervention.**

#### **5.4 Archaeological Findings of Major Significance**

This type of findings is comprised of findings with great importance such as a settlement area, a tumulus, a mound or a big necropolis (wide graveyard areas with archaeological characteristic) and the construction activities must be immediately stopped and chance find procedure (CHMP, Appendix-2) will be followed. This type of chance find may cover the entire construction site in such a way that the entrance and exit of the construction equipment and vehicles cannot be managed without giving any damage to the archaeological remains.

**The finding will be reported to the construction manager and archaeologist by the archaeologist of Project Owner. The construction activities will be ceased in the field where the finding is discovered and the finding will be reported to the relevant museum expert by archaeologist. Following the completion of investigation of the notified relevant Museum Directorate, the necessary arrangements will be taken, such as the identification of the boundaries of the archaeological asset/site (finding), preservation by a protection band, notification of workers in order to prevent any physical intervention.**





## 6. REFERENCES

- ◆ Council of Europe ETS No 143, “European Convention on the Protection of the Archaeological Heritage (Revised) (The Valletta Convention)”, 1992.
- ◆ General Directorate of Preservation of Cultural and Historical Heritage, “Law on Protection of Cultural and Natural Assets (1) Law No. 2863”, 1983.
- ◆ ICOMOS (International Council of Monuments and Sites) “Guidance on Impact Assessment for Cultural World Heritage”, January 2011.
- ◆ IFA (Institute of Field Archaeologists) Standard and Guidance for the Collection, “Documentation, Conservation and Research of Archaeological Materials”, 2001.
- ◆ IFA (Institute of Field Archaeologists) 1994, “Standard and Guidance for an Archaeological Desk Based Assessment” (revised 1999)
- ◆ IFA (Institute of Field Archaeologists) 1994, “Standard and Guidance for an Archaeological Watching Brief” (revised 1999)
- ◆ IFA (Institute of Field Archaeologists) 1994, “Standard and Guidance for an Archaeological Field Evaluation” (revised 1999)
- ◆ UNESCO, “Convention Concerning the Protection of the World Cultural and Natural Heritage”, November 1972



**APPENDIX 1- Archaeological and Cultural Heritage Findings within Project Site**

No	Site Name	Province	Distirict/ Village	Distance Between Route	Explanation
1	İnönü Necropolis	Bilecik	Osmaneli/ İnönü	On the Route axis	This zone, overlooking the Sakarya River basin towards the east, is registered on the topographic maps as İnhavuz Pınarı locality. The zone which is thought to be a necropolis is at the vicinity of the river over a dominant location on a hill. The area was ravaged with many looters' holes. An acceptable amount of late period (Byzantine-Ottoman) and Late Roman sherds, few sherds from the Roman period together with a few bones were located in the area. All existing evidence points to the possible use of the area as a necropolis in antiquity. In this aspect, the Directorate of the Bilecik Museum should be informed of the existence of the zone for carrying out field inspections and if needed for registration to ensure its protection. As the necropolis lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Eskişehir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. In the case of a partial construction within the area, such as a viaduct pier, only the point where the pier would be sunk to the ground could be subjected to excavations through a test trench that will be realized by the Museum.
2	İnönü Tumulus	Bilecik	Osmaneli/ İnönü	65 m	A mound whose top is covered with dense vegetation lies towards the west of the basin of the Sakarya river at a distance of 230 m to the north of the İnönü Necropolis. When this attention-grabbing mound whose top is covered in vegetation was inspected it was seen that its surface was full of ceramics. Additionally, a pile of well-cut ashlar blocks is evident around the mound. Those blocks were likely the elements of the sepulchral construction under the mound and must have been removed from their original locations through ploughing. Being surrounded by trees and easily separated from the rest of the topography the tumulus stands as high as 3 m. Despite its relatively close extent to the project field with a distance of 65 m, it is less likely that this structure will be affected by any phase of the project. Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bilecik Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.
3	Büyükyenice Cemetery	Bilecik	Osmaneli/ İnönü	25 m	The cemetery lies towards the direction of İstanbul, by being on the east bank of the Sakarya River at the İstanbul-Ankara joint of the High Standard Railway Project. The cemetery despite having its routes in Ottoman and Early Republic eras is still in use. Graves are noted to be made in the form of cists through the use of local limestone blocks. The limestone used in the cemetery is the same as the blocks that were evident around the İnönü Tumulus. Tomb markers in the form of quilted turbans dated to the Ottoman era were widely used within the cemetery. Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bilecik Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring
4	Büyükyenice Necropolis	Bilecik	Osmaneli/ İnönü	On the Route axis	The cemetery lies towards the direction of İstanbul, by being on the east bank of the Sakarya River at the İstanbul-Ankara joint of the High Standard Railway Project. The joint of the present project to the already existing İstanbul-Ankara line will take place at this point. The surface was densely covered with Late Ottoman era ceramics and seems to be used as a cemetery. The topography is also suitable for such use. As the necropolis lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Eskişehir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. In the case of construction within the area, preliminary research in the form of test trenches could be realized by the Museum.
5	Büyükyenice Tumulus	Bilecik	Osmaneli/ İnönü	55 m	The tumulus stands on the west bank of the Sakarya River towards 60 m west of the İstanbul-Ankara High Standard Railway line. Its location within the present Project route is towards 50 m distance to the joint point towards Ankara. It will not be directly affected by the Project route. Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bilecik Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.
6	Osmaneli Modern Cemetery	Bilecik	Osmaneli/ Camicedit	8 m	It's the city cemetery positioned towards the west of the Osmaneli district. No traces of any historical remains could be located. However, it is noted that the cemetery is enlarged towards the Project route possessing a high potential to affect it. If construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.
7	Düzmeşe Roman Settlement	Bilecik	Osmaneli/ Düzmeşe	On the Route axis	It is located at the edge of the Göksü Çayı which is a stream of the Sakarya River towards 1,5 km south of the Düzmeşe Village. Investigations that were conducted in an area positioned within the river basin suitable for cultivation revealed a dense amount of ceramics. Some of the ceramics were simple vessels of daily use that could be dated between the 3rd-4th centuries AD. Additionally, a line of stones that could be related to an architectural setting was also located at the surface. This site must be a modest settlement of a few houses rather than being a large-scaled Roman settlement. As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Eskişehir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. In the case of construction within the area, preliminary research in the form of test trenches could be realized by the Museum.
8	Düzmeşe Tumulus	Bilecik	Osmaneli/ Düzmeşe	On the Route axis	It is located 400 m towards the east of the Düzmeşe Roman settlement. It rises as a conical mound on the cliff situated next to the Göksu river. Fossils of seashells are located around the area. The amount of covering tiles from the surface point to the possible further use of the area as a necropolis. Tile fragments possibly date to the Late Roman Period. The Project route passes directly from the cliff where the aforementioned archaeological area was situated on. As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Eskişehir Regional Board for Preservation of Cultural and



					Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. In the case of construction within the area, preliminary research in the form of test trenches to be followed by a rescue excavation could be realized by the Museum.
9	Kuletepe Mound and Castle	Bilecik	Osmaneli/Orhaniye	On the Route axis	<p>This remain may be the so-called “Göksü Towers” that was already mentioned as a registered asset within the Project Presentation Folder that was prepared in 2016. As the aforementioned remain was mentioned to be “...50 m distance to the Project route...” within the PPF its vicinity was inspected once again by the HERMES Archaeology Team.</p> <p>Those re-inspections revealed data showed that there was either possible absence of extra investigations in the area back then by the responsible staff or not sharing of all related information from previous investigations with our firm. This is best revealed by the discovery of a previously not registered mound lying extremely close to the already registered Watch Tower by our team.</p> <p>The mound reflects a settlement pattern of a castle part on the high ground overlooking a possible lower settlement. With its general location, this settlement was understood to spread on the hill as well as to its skirts and further towards the riverside. The remains from the mound showed that it was settled from the Early Roman Period (1st century BC) until the Middle Ages (Byzantine-Early Ottoman). Apart from archaeological surface finds additional architectural remains were also noted to exist on the surface especially on the higher castle part. The already planned Project route unfortunately will pass over this mound for 400 m right after reaching this locality via a tunnel.</p> <p>Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bilecik Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.</p> <p>As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring.</p> <p>If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Eskişehir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 1st Degree Archaeological Site by the Museum. In the case of construction within the area, preliminary research in the form of test trenches to be followed by a rescue excavation could be realized by the Museum.</p>
10	Kuletepe Necropolis	Bilecik	Osmaneli/Orhaniye	70 m	<p>During the survey, a high amount of roofing tiles were located on the surface at a locality falling towards the north of the Kuletepe Mound and Castle. The tiles reflect the characteristic of ancient Roman tiles that were used to cover the burials. All this evidence points to the possible use of the area as a necropolis.</p> <p>Despite the uncertainty on the state of registration of the aforementioned area, standing only at a 60 m distance to the Project area, it is definite that it will not be affected at all by any phase of the Project. Still, it is strictly proposed that the Directorate of the Bilecik Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.</p> <p>If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. If construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.</p>
11	Ebeköy Flat Settlement	Bursa	Yenişehir/Ebeköy	On the route axis	<p>At the vicinity of the plain settlement that was located towards the east of Ebeköy, many surface finds were observed which were all in the character of coarse ware of the Byzantine-Ottoman era. The small-scaled disperse of the ceramics on the surface indicate the possible existence of a smaller settlement of 1-2 houses rather than a village.</p> <p>As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Still, it is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.</p> <p>If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Eskişehir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. In the case of construction within the area, preliminary research in the form of test trenches to be followed by a rescue excavation could be realized by the Museum.</p>
12	Akdere Mound	Bursa	Yenişehir/Akdere	On the route axis	<p>During the inspections that were realized in the Yenişehir Plain Göksü Stream Basin a mound with a relatively low height was discovered in the area between the Akdere and Papatya villages. The mound lies directly on the High Standard Railway Project route by being located only 450 m south of the Göksu Stream.</p> <p>Surface inspections revealed the existence of ceramic sherds of the Roman period dated between the 3rd-4th centuries AD together with Late Roman assemblages of 5th-6th centuries AD. Dense amounts of coarse ware together with bricks were also scattered around the surface. The existence of pinkish so-called hydraulic mortar pieces further points to the possible existence of a building that was related either to water management or use (bath, water depot etc.). A destroyed building at the western slope of the mound dates to our era and possibly was used as a windmill. Rows of stones sunken to the soil were additionally detected at the same locality which must have been the remnants of an ancient road.</p> <p>As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor or trespassing from the location with a viaduct. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Still, it is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.</p> <p>If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Bursa Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 1st Degree Archaeological Site by the Museum.</p>
13	Akdere Cemetery	Bursa	Yenişehir/Akdere	55 m	<p>The area of mention is located at the entrance of the Akdere Village. The cemetery is still in use by the locals. Known to be in use during the Early Republican era its existence could also be taken as back as the Ottoman era.</p> <p>Graves are noted to be made in the form of cists through the use of local limestone blocks. The limestone used in the cemetery is the same as the blocks that were evident around the İnönü Tumulus.</p> <p>Tomb markers in the form of quilted turbans dated to the Ottoman era were widely used within the cemetery.</p> <p>Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection.</p> <p>If construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.</p>
14	Üyücek Hill Mound	Bursa	Yenişehir/Karaköy	165 m	<p>The area of discovery lies 150 m south of the Bursa-Yenişehir Highway and also towards the east of the Bursa-Yenişehir Airport</p> <p>Being used for agricultural purposes as a result of its flat top portion the mound had yielded ceramics from the Early Bronze Age and Chalcolithic Period. The surface finds stand out with their dense amount and scattering.</p> <p>Standing at a 165 m distance to the Project area, it is definite that it will not be affected at all by any phase of the Project. Still, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.</p>
15	Çardak Mound	Bursa	Yenişehir/Çardak	290 m	<p>During the inspections around the Yenişehir Airport, a mound with a relative height (10-12 m) was noted falling towards the northwest of the airport and east of the Çardak Village. Despite reflecting the characteristics of a natural topographical trait the inspections on and around the mound had revealed many artefacts pointing to a long settlement life from Chalcolithic, Early Bronze Age, Early Iron Age and Middle Ages. The mound with a diameter of 500 m lies at a distance of 290 m to the Project route.</p>



					Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 1st Degree Archaeological Site by the Museum. If construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring
16	Çardak Logging House Complex	Bursa	Yenişehir/ Çardak	5 m	The inspections on the Project route had shown that a certain portion of it passes through the Çardak Quarter. At this portion, the Project-settlement connection should be handled with care. The quarter is known to house certain Late Ottoman-Early Republican logging houses with delicate bay windows. Those houses which are still inhabited will likely be affected by the vibrations that will occur as a result of the passings from possible tunnels or viaducts that will be built in the area. Despite the uncertainty on the state of registration of the aforementioned houses similars from other regions are known to be under protection through registration. When the existence of such regulations on similar houses from elsewhere is taken into consideration with their acceptable number in Çardak the area occupied by them could be declared an urban site area by the Directorate of Bursa Museum. The proposal of the experts would be the declaration of this situation to the Museum Directorate of Bursa for the inspection of the area by the Museum staff and if found valid the protection of the area through registration. If an on-site inspection will be done the area in mention could be proposed for being declared as a 1st Degree Archaeological Site by the Museum. If construction works will be realized around the area, they are strongly advised to be subjected to detailed on-site monitoring
17	Koyunhisar Mound	Bursa	Yenişehir/ Koyunhisar	On the route axis	Koyunhisar Mound lies approximately 1 km south of the Koyunhisar Village. It does not reflect a remarkable height but stands out with its splayed structure. Its north and west are occupied by fruit orchards. Inspections on and around the mound had revealed a dense number of ancient ceramics together with bricks from later periods. Some of the ceramic finds are noted to be from the Early Bronze Age. The surface finds from the south skirts of the mound point to the possible use of this portion as a necropolis. The main Project axis will pass from the south skirts of the mound. When the possible building of construction fillings at this area is into consideration in connection to the Project the mound will be inevitably affected until its mid-section. As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor or trespassing from the location with a viaduct. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Still, it is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Bursa Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 1st Degree Archaeological Site by the Museum.
18	Tulumbayırı Mevki Settlement	Bursa	Yenişehir/ Marmaracık	On the route axis	The settlement is situated between the villages of Seymen and Marmaracık at a distance of 500 m towards the south of the Bursa-Yenişehir Highway. Known as the Düze settlement area the locality was densely covered with fragments of bricks and tiles on the surface. The number of coarse ware, on the other hand, was relatively less. The surface findings point to the existence of a single phased settlement most probably in use during the Late Byzantine and Ottoman eras. As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor or trespassing from the location with a viaduct. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Still, it is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Bursa Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 3rd Degree Archaeological Site by the Museum.
19	Narlıdere Village Cemetery	Bursa	Kestel/ Narlıdere	50 m	The area of mention is the cemetery of the Narlıdere Village. It lies at a 50 m distance to the Project axis and will not be affected negatively from any phase of the construction works
20	Narlıdere Ottoman Settlement	Bursa	Kestel/ Narlıdere	20 m	A plain settlement with not so much height lying in between the fruit orchards was discovered during the surveying of the Project route passing from the south of the Narlıdere Village. The area was covered with dense numbers of Byzantine-Ottoman ceramics together with bricks and tile fragments. The settlement with a wide expansion limit lies adjacent to a train line passing from its skirts. As the Project route passes from the southern skirts of the area it is not possible to detect if the expansion reached until this point or not. As the site lies directly on the construction area of the Project it is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring. It is also strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Bursa Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 3rd Degree Archaeological Site by the Museum.
21	Karahıdır Ottoman Settlement	Bursa	Gürsu/ Karahıdır	On the route axis	It is a plain settlement from the Byzantine-Ottoman era. The area is densely occupied on the surface by brick and tile fragments. Certain filling works concerning the construction phase of the Project were realized at the south of the area. The overall archaeological data obtained from the survey points to the existence of a single phased settlement. As the site lies directly on the construction area of the Project it is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring. It is also strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Bursa Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 3rd Degree Archaeological Site by the Museum.
22	Nilüfer Hatun Bridge	Bursa	Nilüfer/ Doğanköy	50 m	The Project route continuing parallel to the Nilüfer Stream passes from 50 m south of a Late Byzantine-Early Ottoman bridge known as the Nilüfer Hatun Bridge. The historic bridge is 82 m in length, 5,45 m in width and bears 7 arches. It shows traces of a recent restoration. Showing a typical Ottoman-era structural character, the bridge is solely open to pedestrian access in the present day. Utmost care should be shown to it especially during the construction phase as explosions or use of heavy machinery around its close vicinities would harm the integrity of its architectural state. It is strongly advised that any construction phase on or around the structure should be subjected to detailed archaeological on-site monitoring
23	Building Remains	Bursa	Nilüfer/ Doğanköy	10 m	Some architectural remains high probably from a single building possibly from the Late Byzantine and Early Ottoman eras were located next to the Nilüfer Stream. The surface revealed a small number of ceramics during the survey. Furthermore, a pillar fragment was also located within the same area. Due to the extremely close distance that this location has to the Project route (merely 10 m), it is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.
24	Building Remains	Bursa	Nilüfer/ Doğanköy	28 m	Some remains belonging to a building were located in an area falling towards the northwest of the city hospital. The building is preserved on foundation levels but showed an architectural layout with typical characteristics of the Early Republican era. Due to the extremely close distance, this location has to the Project route (only 28 m) it is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site



					monitoring. It is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 3rd Degree Archaeological Site by the Museum.
25	Gökçetepe Tumulus	Bursa	Nilüfer/Doğanköy	64 m	During the investigations that were done around the northwest of Bursa city hospital, a tumulus was located on a hill overlooking the Nilüfer Stream. The surface revealed a good number of tile fragments. Due to the distance, this location has to the Project route (64 m) it is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring. It is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 1st Degree Archaeological Site by the Museum. As being located at a point where a tunnel exit is planned to be built special care must be shown to the area especially during the opening of access roads for the construction works
26	Tepeköy Geçidi Settlement	Bursa	Nilüfer/Yolçatı	25 m	It is a single phased flat slope settlement that could be dated to the Late Byzantine-Ottoman era. Dense numbers of tiles, brick fragments, few ceramics and a single chiselled marble fragment were located on the surface during the surveys. Due to the relatively close distance, this location has to the Project route (only 25 m) it is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring. It is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 3rd Degree Archaeological Site by the Museum. Special care must be shown to the area especially during the opening of access roads for the construction works.
27	Tepeköy Geçidi Mound	Bursa	Nilüfer/Yolçatı	On the route axis	A mound, named as Tepeköy Geçidi, was located at a point situated at the south of the Nilüfer Stream that overlooks a vast arable land. The mound stretches to an area of 1,3 x 1 km. This wide stretching of its area must be due to its continuous occupation which probably commenced from 5000 BC. Intense surveying revealed a vast amount of quality ceramics from the surface dated from Chalcolithic to the Roman period, stone tools from the Chalcolithic period together with various fragments from Roman glass objects A looters hole was located at the top of the mound under a tree. The hole had revealed traces of architecture with remnants from a pithos (storage vessel). A vast amount of architectural fragments, fragments of coarse ware, fragments of Hellenistic black glazed ceramics and glass objects were scattered on the surface. As the site lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor or trespassing from the location with a viaduct. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Still, it is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Bursa Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared as a 1st Degree Archaeological Site by the Museum.
28	Küçükyenice Necropolis	Bursa	Mudanya/Balabancık	88 m	During the surveying of the area around the south of the Küçükyenice Village, a necropolis from the Roman period was located. A vast amount of tile fragments and architectural elements were scattered on the surface. The area in general is like a flat field and lies at a distance of 88 m from the Project route. Special care must be shown to the area especially during the opening of access roads for the construction works. It is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.
29	Orhaniye Necropolis	Bursa	Mudanya/Orhaniye	150 m	A necropolis possibly from the Hellenistic and Roman periods was located during the surveying around the south of the Orhaniye Köyü. The necropolis is situated next to a river about a 150 m distance to the Project route. A vast amount of tile fragments and architectural elements were scattered on the surface. Thought to be used by means of carving of the rock for the building of graves the whole hill was repeatedly harassed by many looting holes. Special care must be shown to the area especially during the opening of access roads for the construction works. It is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.
30	Badırğa Village Alevi Cemetery	Bursa	Nilüfer/Badırğa	85 m	The Project route while passing from the north of the Badırğa Village will pass from nearby an Alevi cemetery belonging to the locals of the Badırğa Village. The cemetery is situated on a hill lying 85 m away from the Project route. Each tomb from the cemetery, where traditional customs are still practised, has a special niche at the head for receiving candles. The custom was known to be evident in the Alevi culture from Erzincan, Tunceli and Sivas regions and must have been brought to the region by people who had emigrated here from the aforementioned regions. Special care must be shown to the area especially during the opening of access roads for the construction works. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.
31	Badırğa Village Cemetery	Bursa	Nilüfer/Badırğa	300 m	The cemetery lying towards the north of the Badırğa Village is the second cemetery of the village. It is situated at a different location than the Alevi cemetery with a distance of 100 m. No traces of any historical value remain/object were located from the area. The area will not Special care must be shown to the area especially during the opening of access roads for the construction works. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.
32	İrmak Baba Alevi Turbe	Bursa	Nilüfer/Badırğa	410 m	It lies towards the north of the Badırğa Village very close to the previously located 2 cemeteries. It is a shrine related to the Badırğa Village Alevi cemetery. The tomb within the shrine (türbe), where traditional customs are still practised, has a special niche at the head for receiving candles. The shrine (türbe) additionally houses a “sacred tree” used during the ceremonies in which pieces of clothing were ties on the branches for making wishes come true. Despite lying distant to the Project area by being an asset of Intangible Cultural character it must be protected from the possible negative effects of vehicles passing from nearby during the construction phase. If its close vicinity was chosen for vehicle passings this route is strongly advised to be changed to a further locality. Special care must be shown to the area especially during the opening of access roads for the construction works. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.
33	İnkaya Cave	Bursa	Karacabey/İnkaya	930 m	The caves located towards the entrance of the İnkaya Village are suitable for being used in antiquity either as caves or caverns. They lie at a 930 m distance to the Project route but were included in the report for preventing their future use as building and operating of breaking-screening plants. Special care must be shown to the area especially during the opening of access roads for the construction works. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring
34	Hoca Çeşme	Bursa	Karacabey/	260 m	It is a watermill located next to the Nilüfer Stream towards the southwest of the Çeşnigir Village. The mill is located 260 m north of the Project route. The building reflects strong characteristics of Ottoman



	Mevkii Mill		Çeşnigir		architecture and candidates to be an important Cultural Asset. Special care must be shown to the area especially during the opening of access roads for the construction works. It is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.
35	Hoca Çeşme Mevkii Tumulus	Bursa	Karacabey/ Çeşnigir	On the Route Axis	The earthen mounds are located on a hill covered with oak trees that is located within the Nilüfer Stream basin towards the southwest of Çengir Köyü. The tumulus falling on the Project route reflects a two peaked structure. Surrounded by stones the whole earthen mound was covered with tile fragments and looting holes. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring. It is strictly proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. It is further proposed that the Directorate of the Bursa Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum.
36	Ancient Bridge Abutment	Bursa	Karacabey/ Taşlık	On the route axis	During the investigation of the Project route which will pass from the south of the Taşlık quarter two corresponding bridge abutments were detected on the Kara Dere. The Project route will pass from over the two abutments via a bridge. The remains of a partial road that stretches inland from the back of the southwestern abutment were detected during the survey. Rubbles in between the abutments and inside the river point to the possible arched structure of the original bridge. As the area lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Bursa Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. The passing of this point through a bridge should be realized in care with special attention given to the proper calculation of the abutment and bridge heights for being in accordance with the archaeological remains.
37	Ottoman Bridge	Bursa	Karacabey/ Taşlık	On the route axis	During the investigation of the Project route which will pass from the south of the Taşlık quarter remains of a bridge with 3 arches were detected on the old riverbed two corresponding bridge abutments were detected on the Kara Dere. The Project route will pass from over the two abutments via a bridge. The current state of the remains had shown that the bridge lost its proper function due to the change of the old route of the river. As the area lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Eskişehir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. The passing of this point through a bridge should be realized in care with special attention given to the proper calculation of the abutment and bridge heights for being in accordance with the archaeological remains.
38	Taşlık village Cemetery	Bursa	Karacabey/ Taşlık	23 m	The area of mention is the current cemetery of the Taşlık Village. It is situated at a distance of 23 m to the Project route and it will likely be affected by any of the construction works. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring
39	Şahinköy Cemetery	Bursa	Karacabey/ Şahinköy	On the route axis	The area lies towards the north of the Şahinköy Village and reflects general traits of an Ottoman and Early Republican era cemetery. Tombs from the Ottoman era are inscribed with Ottoman inscriptions and decorated with quilted turbans. The Project route passes directly over the cemetery. If the route will be accepted as so by the Project firm the cemetery should be handled according to the laws numbered 3998 as “Law for the Protection of the Cemeteries” and numbered 2863 as “Law on Preservation of Cultural and Natural Assets”. As the archaeological area lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Bursa Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring
40	Castle and Mound	Bursa	Karacabey/ Tophisar	103 m	The castle is situated at the east of the Tophisar Village, at a locality known as Kaletpepe Locality on a high natural formation. The castle must be from the latest settlement layer of the natural formation which could be now attested to originally existed as a mound. During the survey fragments of ceramics dated to the Roman period and Byzantine-Ottoman era were located. The castle was investigated and published by Prof. Dr. S. Yıldız ÖTÜKEN. The remains lie at a distance of 103 m to the Project route and the passing from this point will be realized through a bridge. By considering the high archaeological potential of the area it is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring.
41	Tophisar Village Cemetery	Bursa	Karacabey/ Tophisar	50 m	The area of mention is the current cemetery of the Tophisar Village. It is situated at a distance of 50 m to the Project route and it will likely be affected by any of the construction works. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring
42	Harmanlı Slope Settlement	Bursa	Karacabey/ Harmanlı	On the route axis	During the investigation of the Project route which will pass from the north of the Harmanlı Village, a slope settlement was discovered at a locality that is situated towards 750 m southeast of the Susurluk River. Surface finds point to the existence of an Ottoman-era slope settlement in the area. Dense amounts of ceramics and bricks could be seen on the surface. Additional architectural remains do also exist again partially visible on the surface. As the archaeological area lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Bursa Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. It is strongly advised that any construction phase on or around should be subjected to detailed archaeological on-site monitoring
43	Tumulus and	Balıkesir	Bandırma/	77 m	A mound covered in bushes on top, situated at the southeast of Yeşilçomlu Village attracts attention at first sight. The site of mention has its whole top surface covered with ceramics. Furthermore, a pile



	Necropol		Yeşilçomlu		of stone blocks from nearby the mound are of interest too. The blocks must have been from the possible construction that was built under the artificial mound that formed the tumulus. The tumulus being independent of the rest of the topography lies at a height of 1-2 m. Despite being 77 m distance to the Project area the tumulus is less likely to be affected from any part of the Project. The existence of a necropolis at the north of the tumulus seems highly possible. Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bandırma Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring
44	Kazçeşme mevkii Settlement	Balıkesir	Bandırma/ Yeşilçomlu	On the route axis	During the survey, coarse ware ceramic fragments from the Early Roman period and Byzantine-Ottoman eras were located in dense numbers at a plain settlement situated towards the southeast of the Yeşilçomlu Village. When the area that those ceramics were dispersed is into consideration the locality could be easily ascribed as a widespread village settlement. As the archaeological area lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Additionally, the Directorate of the Bandırma Museum should be informed of the existence of the area to carry out on-site field inspections and if needed for registration to ensure its protection. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Balıkesir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done, the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum.
45	İncirli Çeşme Mevkii Necropolis	Balıkesir	Bandırma/ Yeşilçomlu	105 m	It is situated at the south of the Yeşilçomlu Village under a hill whose top is dominated by a quarry. The surface of the area was densely covered with ceramic fragments from the Roman Period. Further surveys around the area also revealed the existence of a looted tumulus and a yet excavated second tumulus. The tumulus, being independent of the rest of the topography, lies at a height of 1-2 m. Despite being at a 105 m distance to the Project area the tumulus is less likely to be affected from any part of the Project. The existence of other tombs hewn to the bedrock the area is likely to house additional rock-cut tombs. Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bandırma Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. If construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring
46	İncirli Çeşme Mevkii Slope Settlement	Balıkesir	Bandırma/ Yeşilçomlu	On the route axis	It is a settlement that is situated at the south of the Yeşilçomlu Village under a hill whose top is used as a quarry. It lies adjacent to the previously mentioned necropolis that stands at the same height as the settlement. The surface is densely covered with ceramic fragments from the Byzantine-Ottoman era. It was probably a vast village settlement. As the archaeological area lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Additionally, the Directorate of the Bandırma Museum should be informed of the existence of the area to carry out on-site field inspections and if needed for registration to ensure its protection. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Balıkesir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done, the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum.
47	Halvadca Çeşme Slope Settlement	Balıkesir	Bandırma/ Yeşilçomlu	On the route axis	It is located at southwest of Yeşilçomlu Village next to a forested area. The surface of its vicinity was covered in dense ceramics fragments dated to the Byzantine-Ottoman eras. The settlement could be a small building complex with a nearby water well. As the archaeological area lies directly on the construction area of the Project route the expert opinion proposes the opening of trial pits in the area. Furthermore, if construction works will be realized around the area they are strongly advised to be subjected to detailed archaeological on-site monitoring. Additionally, the Directorate of the Bandırma Museum should be informed of the existence of the area to carry out on-site field inspections and if needed for registration to ensure its protection. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Balıkesir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done, the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum.
48	Söğütçe Çeşme Mevkii Settlement	Balıkesir	Bandırma/ Kuşcenneti	On the route axis	It is situated next to the present railway on the route of the junction line towards the direction of Bandırma-İzmir. The settlement reflects the traits of a mound lying next to a water source. The surface finds point to the existence of a possible Roman and Middle Age settlement. The area yielded architectural blocks together with ceramics. As the archaeological area lies directly on the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Additionally, the Directorate of the Bandırma Museum should be informed of the existence of the area to carry out on-site field inspections and if needed for registration to ensure its protection. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Balıkesir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done, the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum
49	Karakova Mevkii Tumulus	Balıkesir	Bandırma/ Kuşcenneti	113 m	The tumulus lies next to the Bandırma-İzmir highway with a view of the Manyas Lake. Its distance to the Project route is 113 m. The artificial mound has many looters holes on and around surrounded by ceramic fragments from the Roman Period and marble architectural elements. Despite the uncertainty on the state of registration of the aforementioned area the Directorate of the Bandırma Museum should be informed of its existence to carry out on-site field inspections and if needed for registration to ensure its protection. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring
50	Late Ottoman Bridge 1	Balıkesir	Bandırma/ Doğruca	141 m	The opposite landscape of the Bandırma Industrial Zone is constituted by arable pasture land. The landscape is blessed with many tributaries. The discovered bridge lies on the trail of the old Bandırma-Bursa highway. The paving stones from the old road are still visible in the area. Being built as a single arched structure the bridge lies 120 m to the Project area. It is less likely that the structure will be affected in any sense by the Project. The expert opinion strongly recommends route change for the passing of heavy tonnage vehicles from the nearby of the bridge and their directing to other alternative routes. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring
51	Late Ottoman Bridge 2	Balıkesir	Bandırma/ Doğruca	122 m	The opposite landscape of the Bandırma Industrial Zone is constituted by arable pasture land. The landscape is blessed with many tributaries. The discovered bridge lies on the trail of the old Bandırma-Bursa highway. The paving stones from the old road are still visible in the area. Being built as a single arched structure the bridge lies 141 m to the Project area. It is less likely that the structure will be affected in any sense by the Project. The expert opinion strongly recommends route change for the passing of heavy tonnage vehicles from the nearby of the bridge and their directing to other alternative routes. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring
52	Late Ottoman Bridge 3	Balıkesir	Bandırma/ Doğruca	121 m	The opposite landscape of the Bandırma Industrial Zone is constituted by arable pasture land. The landscape is blessed with many tributaries. The discovered bridge lies on the trail of the old Bandırma-Bursa highway. The paving stones from the old road are still visible in the area.



					Being built as a single arched structure the bridge lies 122 m to the Project area. It is less likely that the structure will be affected in any sense by the Project. The expert opinion strongly recommends route change for the passing of heavy tonnage vehicles from the nearby of the bridge and their directing to other alternative routes. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring
53	Arch Culvert 1	Balıkesir	Bandırma/ Doğruca	117 m	The discovered arch culvert lies on the trail of the old Bandırma-Bursa highway. The paving stones from the old road are still visible in the area. Being built as a single arched structure the bridge lies 117 m to the Project area. It is less likely that the structure will be affected in any sense by the Project. The expert opinion strongly recommends route change for the passing of heavy tonnage vehicles from the nearby of the bridge and their directing to other alternative routes. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring.
54	Arch Culvert 2	Balıkesir	Bandırma/ Doğruca	93 m	The discovered arch culvert lies on the trail of the old Bandırma-Bursa highway. The paving stones from the old road are still visible in the area. Being built as a single arched structure the bridge lies 93 m to the Project area. It is less likely that the structure will be affected in any sense by the Project. The expert opinion strongly recommends route change for the passing of heavy tonnage vehicles from the nearby of the bridge and their directing to other alternative routes. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring
55	Late Ottoman Bridge 4	Balıkesir	Bandırma/ Doğruca	73 m	The opposite landscape of the Bandırma Industrial Zone is constituted by arable pasture land. The landscape is blessed with many tributaries. The discovered bridge lies on the trail of the old Bandırma-Bursa highway. The paving stones from the old road are still visible in the area. Being built as a single arched structure the bridge lies 73 m to the Project area. It is less likely that the structure will be affected in any sense by the Project. As the structure is strengthened with the addition of steel constructions it could be used for transportation. The expert opinion strongly recommends route change for the passing of heavy tonnage vehicles from the nearby of the bridge and their directing to other alternative routes. Furthermore, if construction works will be realized around the area, they are strongly advised to be subjected to detailed archaeological on-site monitoring
56	Doğruca Hilltop settlement	Balıkesir	Bandırma/ Doğruca	10 m	It is situated east of the Doğruca Village, next to the river at a passage that falls between 2 mountains. An active marble quarry lies adjacent to it. The surface around the area, which shows the characteristic trait of a hilltop settlement, is densely covered with ceramic fragments of Middle Age date together with roof tiles. Other archaeological findings constitute architectural blocks. As the archaeological area lies 10 m towards the construction area of the Project route the expert opinion proposes a route change especially on the portion that falls within the construction corridor. Furthermore, if construction works will be realized around the area following a route change, they are strongly advised to be subjected to detailed archaeological on-site monitoring. Additionally, the Directorate of the Bandırma Museum should be informed of the existence of the area to carry out on-site field inspections and if needed for registration to ensure its protection. If a route change is impossible the Project operators should act in accordance with the decisions that will be taken by the Museum Directorate or Balıkesir Regional Board for Preservation of Cultural and Natural Assets. If an on-site inspection will be done, the archaeological area in mention could be proposed for being declared either as a 1st or 3rd Degree Archaeological Site by the Museum. Further trial trenches could be opened by the Museum.





**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

BANDIRMA- BURSA YENİŞEHİR – BİLECİK OSMANELİ  
HIGH STANDART RAILWAY PROJECT  
CULTURAL HERITAGE MANAGMENT PLAN

---

## **APPENDIX-2: Chance Find Procedure**





**BANDIRMA - BURSA YENİŞEHİR – BİLECİK OSMANELİ  
HIGH STANDART RAILWAY PROJECT**

**CHANCE FIND PROCEDURE**



**HERMES**

**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI**

İşçi Blokları Mahallesi Budapeşte Caddesi 4-2  
Çankaya / Ankara  
05331661064  
[info@hermesdanismanlik.com.tr](mailto:info@hermesdanismanlik.com.tr)

April/2021





## TABLE OF CONTENTS

LIST OF TABLES .....	iii
LIST OF FIGURES.....	iii
APPENDICES .....	iii
ABBREVIATIONS.....	iv
1. PURPOSE.....	1
2. SCOPE .....	1
3. PROCEDURE .....	1



## LIST OF TABLES

Table 1 Actions to be followed .....	3
<b>Table 2</b> Museum Contact Information.....	9
<b>Table 3</b> Contact Information of Regional Board Directorates .....	9

## LIST OF FIGURES

**Şekil tablosu ögesi bulunamadı.**

## APPENDICES

APPENDIX 1: CHANCE FIND REPORT FORM

APPENDIX 2: CHANCE FINDS REGISTER

APPENDIX 3: CONTACT INFORMATION OF RELATED MUSEUM DIRECTORATES AND  
REGIONAL BOARD DIRECTORATES,

APPENDIX 4: MAPS OF ARCHAEOLOGICAL SITES





## ABBREVIATIONS

<b>CHMP</b>	Cultural Heritage Management Plan
<b>ICOMOS</b>	International Council of Monuments and Sites
<b>IFA</b>	Institute of Field Archaeologists
<b>No</b>	Number
<b>PROJECT</b>	BANDIRMA- BURSA YENİŞEHİR – BİLECİK OSMANELİ HIGH STANDART RAILWAY PROJECT
<b>UNESCO</b>	United Nations Educational, Scientific and Cultural Organization





## 1. PURPOSE

The Archaeological Chance Find Procedure is prepared to provide guidance to all parties and employees regarding the actions to be taken in case of discovery of an archeological asset.

## 2. SCOPE

It is likely to encounter archeological findings during the construction activities of the Project. Any type of activity requiring excavation or any type of intervention on the landscape through earthworks has potential to lead to discovery or destroying of archeological entities.

## 3. PROCEDURE

Any physical remains of past human activity, including artifacts, plant and animal remains, structural remains and soil features are defined as archaeological entities. All actions to be carried out in case of discovery of an archaeological entity should comply with the Law on Cultural and Natural Assets Conservation Law Numbered 2863 (**Law Number:** 2863, **Date of Approval:** 21.7.1983, **Publication in the Official Gazette:** Date: 23/7/1983 No: 18113).

In the event of discovery of an archaeological entity, the following procedure shall be implemented:

- All construction and other relevant activities in the vicinity of the chance find will be ceased by the Archaeologist of Project Owner or anyone, who encounters a chance find.
- Project archaeologist will contact construction manager as soon as a chance find is encountered.
- Project archaeologist contacts museum directorate archaeologist immediately.
- Archaeologist of Project will properly secure chance find site via flagging, no-entry signs, etc. and prevent/limit the vehicle traffic within the immediate vicinity of chance find and also protect the site by not moving, removing or further disturbing the chance find.
- Boundaries of discovered archaeological site coordinates will be recorded and photograph of the location and the finding shall be taken and also video record should be made.
- The site and its vicinity will be secured against damage or loss until a final decision is made about this site by Board.
- Archaeologist of Project will fill out Part A of Chance Find Form and send a copy to Museum archaeologist within 24 hours keeping a copy for Project as a record,
- If any human remains such as contemporary grave or graveyard are noticed, security forces will be informed. Unless the remains are determined to be recent, the local administration (village head: mukhtar, or district governor) has the full authority.
- Further steps to be followed and proper procedures to be implemented for the management of the finding(s) (changes in the layout, conservation, preservation, restoration or salvage) will be decided and reported in writing by the Museum Directorate.
- In case the site is considered to be of no significance by the Museum Directorate, Project archaeologist will inform the Construction Manager and they will inform their managers. Subsequent of filling out Part B of Chance Find Form





**HERMES**

ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

BANDIRMA- BURSA YENİŞEHİR – BİLECİK OSMANLI  
HIGH STANDART RAILWAY PROJECT  
CHANCE FIND PROCEDURE

by Archaeologist of Project within 24 hours while retaining a copy of the Chance Find form as a record, the construction works will proceed since no further actions are required.

- In case the site is considered to be of significance by the Museum Directorate, Project archaeologist will be informed by the Museum Directorate about the decision on the further actions. Project archaeologist will inform the construction manager and their managers. Subsequent of filling out Part B of Chance Find Form by Archaeologist of Project within 24 hours while retaining a copy of the Chance Find form as a record, the instructions of the Museum Directorate will be followed. After some field investigation, Museum Directorate will declare their decision on the significance of the site and the actions to be followed as per their decision are summarized in Table 1.



**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞIBANDIRMA- BURSA YENİŞEHİR – BİLECİK OSMANLI  
HIGH STANDART RAILWAY PROJECT  
CHANCE FIND PROCEDURE**Table 1** Actions to be followed

Site to be of no Significance	Site to be of Minor Significance	Site to be of Major Significance
<ul style="list-style-type: none"><li>✓ Project's archaeologists will inform their managers,</li><li>✓ Archaeologist of Project will record the decision in Part C of Chance Find Form within 24 hours,</li><li>✓ Archaeologist of Project will retain a copy of Chance Find form as a record,</li><li>✓ No further actions will be required,</li><li>✓ This step closes out the chance find procedure,</li><li>✓ <u>Construction activities may resume.</u></li></ul>	<ul style="list-style-type: none"><li>✓ A salvage excavation is to be completed</li><li>✓ Museum Directorate will provide instructions, and/or supervision for salvage archaeological excavation Project archaeologist,</li><li>✓ Project's archaeologists will inform their managers,</li><li>✓ Under the guidance of Museum archaeologist (following instructions from other authorities, Eskişehir, Bursa, Bandırma Regional Board etc.), Project will provide a team of qualified archaeologist to conduct the salvage excavation,</li><li>✓ Once the excavation is completed, Archaeologist of Project will provide a report to construction manager,</li><li>✓ Project archaeologist will provide a report to the Museum Directorate,</li><li>✓ Regional Board Directorate of Protection of Cultural Heritage will officially confirm the completion of recovery and inform Project archaeologist,</li><li>✓ Project archaeologist will inform the construction manager that no further actions are required,</li><li>✓ Project's archaeologists will inform their managers,</li><li>✓ Archaeologist of Project will record the decision in Part C of Chance Find Form within 24 hours,</li><li>✓ Archaeologist of Project will retain a copy of Chance Find form as a record,</li><li>✓ No further actions will be required,</li><li>✓ This step closes out the chance find procedure</li><li>✓ <u>Construction activities may resume.</u></li></ul>	<ul style="list-style-type: none"><li>✓ An excavation is to be completed,</li><li>✓ Site will be treated according to "Law on the Conservation of Cultural and Natural Property (2863)",</li><li>✓ Museum Directorate will provide instructions, and/or supervision for salvage archaeological excavation to Project archaeologist,</li><li>✓ Project's archaeologists will inform construction manager and their managers,</li><li>✓ Under the guidance of Museum archaeologist (following instructions from other authorities, Eskişehir, Bursa, Bandırma Regional Board etc.), Project will provide a team of qualified archaeologist to conduct the salvage excavation,</li><li>✓ Once the excavation is completed, Archaeologist of Project will provide a report to construction manager,</li><li>✓ Project archaeologist will provide a report to the Museum Directorate,</li><li>✓ Regional Board Directorate of Protection of Cultural Heritage will officially confirm the completion of recovery and inform Project archaeologist,</li><li>✓ Site will be officially recorded and protected according to Turkish regulations,</li><li>✓ Project archaeologist will inform the construction manager that no further actions are required, or that a relocation is required,</li><li>✓ Project's archaeologists will inform their managers,</li><li>✓ Archaeologist of Project will record the decision in Part C of Chance Find Form within 24 hours,</li><li>✓ Archaeologist of Project will retain a copy of Chance Find form as a record,</li><li>✓ No further actions will be required,</li><li>✓ This step closes out the chance find procedure,</li><li>✓ <u>Construction activities may resume, or relocation is implemented.</u></li></ul>





**HERMES**  
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

BANDIRMA- BURSA YENİŞEHİR – BİLECİK OSMANELİ  
HIGH STANDART RAILWAY PROJECT  
CHANCE FIND PROCEDURE

---

## **APPENDIX-1:**

### **CHANCE FIND REPORT FORM RASLANTISAL BULUNTU RAPOR FORMU**



**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞIBANDIRMA- BURSA YENİŞEHİR – BİLECİK OSMANELİ  
HIGH STANDART RAILWAY PROJECT  
CHANCE FIND PROCEDURETo be filled out in English  
İngilizce doldurunuz**PART A BÖLÜM A**

Location:

Mevkii

Date:

Tarih

ID:

Name of person reporting chance find:

Rastlantısal buluntuyu rapor eden kişinin ismi

Name of contractor employee contacted:

İletişime geçilen yüklenici çalışanı ismi

Was work stopped in the immediate vicinity of chance find?

Rastlantısal buluntunun tam çevresinde iş durduruldu mu?

☐ Yes

Evet

☐ No

Hayır

Was a buffer zone created to protect chance find?

Rastlantısal buluntuyu korumak için tampon bölge oluşturuldu mu?

☐ Yes

Evet

☐ No

Hayır

**NOTIFICATION  
BİLDİRİM**

Contractor construction manager contacted

Yüklenici inşaat müdürü ile irtibata geçildi

☐ Yes

Evet

☐ No

Hayır

PROJECT archaeologist contacted

PROJE arkeoloğu ile iletme geçildi

☐ Yes

Evet

☐ No

Hayır

**CHANCE FIND DETAILS  
RASLANTISAL BULUNTU  
AYRINTILARI**

GPS coordinates

GPS koordinatları

Photo record

☐ Yes☐ No

(HD quality – no cell phone photos)

Fotoğraf kaydı

Evet

Hayır

(HD kalitesinde – cep telefonu fotoğrafı değil)

If not, explain why:

Yok ise nedenini açıklayınız

Other records

☐ Yes☐

No Specify (drawings, HD quality videos, etc.): Diğer kayıtlar

Evet

Hayır Belirtin

(çizimler, HD kalite videolar, vb.)





**HERMES**

ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

BANDIRMA- BURSA YENİŞEHİR – BİLECİK OSMANLI  
HIGH STANDART RAILWAY PROJECT  
CHANCE FIND PROCEDURE

Description of chance find:  
*Rastlantısal buluntunun tanımı*

Description of site and vegetation: (e.g. surface sediment type, ground surface visibility, distance to closest watercourse, etc.)  
*Sahanın ve bitki örtüsünün tanımı: (örn. Yüzey sediman türü, yüzey zemin görünürlüğü, en yakın suyoluna olan mesafe, vb.)*

**PART B  
BÖLÜM B**

**NOTIFICATION OF \_\_\_\_\_ MUSEUM DIRECTORATE ARCHAEOLOGIST  
\_\_\_\_\_ MÜZE MÜDÜRLÜĞÜ ARKEOLOĞUNA BİLDİRİ**

PROJECT archaeologist contacted museum directorate archaeologist ☐ Yes ☐ No  
*PROJE arkeoloğu müze müdürlüğü arkeoloğu ile irtibata geçti.* *Evet Hayır*

Date of notification:  
*Bildirim tarihi*

Name of museum directorate archaeologist :  
*Müze müdürlüğü arkeoloğunun ismi*

Contact number of museum directorate archaeologist:  
*Müze müdürlüğü arkeoloğunun iletişim numarası*

**DECISION OF \_\_\_\_\_ MUSEUM DIRECTORATE ARCHAEOLOGIST  
\_\_\_\_\_ MÜZE MÜDÜRLÜĞÜ ARKEOLOĞUNUN KARARI**

Date of initial investigation:  
*İlk araştırma tarihi*

☐ Site of no significance - Construction to proceed with no further investigation – End of chance find procedure  
*Önemsiz saha – İnşaat daha fazla araştırma yapılmadan devam edilebilir – rastlantısal buluntu prosedürün sonu.*

Date of notice to resume work :  
*İşe başlama tarihi bildirisi*

☐ Site of significance - Further investigation required  
*Önemli saha – Ek araştırma gerekmektedir*  
Fill out Part C  
*Bölüm C'yi doldurun.*



**HERMES**ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞIBANDIRMA- BURSA YENİŞEHİR – BİLECİK OSMANLI  
HIGH STANDART RAILWAY PROJECT  
CHANCE FIND PROCEDURE

Name of museum directorate archaeologist: <i>Müze müdürlüğü arkeoloğunun ismi</i>		
Contact information: <i>İletişim numarası</i>		
PROJECT construction manager contacted <i>PROJE inşaat müdürü ile irtibata geçildi</i>	<input type="checkbox"/> Yes <i>Evet</i>	<input type="checkbox"/> No <i>Hayır</i>
Contractor archaeologist contacted <i>Yüklenici arkeoloğu ile irtibata geçildi</i>	<input type="checkbox"/> Yes <i>Evet</i>	<input type="checkbox"/> No <i>Hayır</i>
<b>PART C</b> <b>BÖLÜM C</b>		
FURTHER FIELD INVESTIGATION <i>EK SAHA ARAŞTIRMASI</i>		
<input type="checkbox"/> Site of no significance <i>Önemsiz saha</i>	<input type="checkbox"/> Site of minor significance <i>Az önemli saha</i>	<input type="checkbox"/> Site of major significance <i>Çok önemli saha</i>
Describe additional work to be conducted: <i>Yapılması gereken ek işlerin tanımları</i>		
Date started: <i>Başlangıç tarihi</i>	Date completed: <i>Bitiriş tarihi</i>	
Date of notice to resume work : <i>İşe başlama tarihi bildirisi</i>		
Name of museum directorate archaeologist: <i>Müze müdürlüğü arkeoloğunun ismi:</i>		
Contact information: <i>İletişim numarası</i>		
Construction manager contacted <i>İnşaat müdürü ile irtibata geçildi</i>	<input type="checkbox"/> Yes <i>Evet</i>	<input type="checkbox"/> No <i>Hayır</i>
PROJECT archaeologist contacted <i>PROJE inşaat müdürü ile irtibata geçildi</i>	<input type="checkbox"/> Yes <i>Evet</i>	<input type="checkbox"/> No <i>Hayır</i>





**HERMES**

ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

BANDIRMA- BURSA YENİŞEHİR – BİLECİK OSMANELİ  
HIGH STANDART RAILWAY PROJECT  
CHANCE FIND PROCEDURE

## APPENDIX 2: CHANCE FINDS REGISTER

	<b>CHANCE FIND REGISTER</b>
	Reporting Period:

<b>Total of chance find</b>	
To date	To date

ID (*)	DATE OF CHANCE FIND	LOCATION	CHANCE FIND SUMMARY	NAME OF AUTHORITY NOTIFIED	DATE PART A COMPLETED	DATE PART B COMPLETED	DATE PART C COMPLETED	ACTION TAKEN	STATUS OPEN OR CLOSED	REMARKS
Project 1										
Project 2										
Project 3										
Project 4										

(\*) Keep same ID format





### APPENDIX 3: CONTACT INFORMATION OF RELATED MUSEUM DIRECTORATES AND REGIONAL BOARD DIRECTORATES

Table 2 Museum Contact Information

Name	Phone	Adress
<b>Bilecik Museum Directorate</b>	(0228) 212 80 81	İstiklal, Alırıza Özkay Cad. No:25, 11200 Merkez/Bilecik Merkez/Bilecik
<b>Bursa Museum Directorate</b>	(0224) 234 49 18	Gaziakdemir Mh, Kültür Park, Çekirge Cd. 4/11 D:1, 16050 Osmangazi/Bursa
<b>Bandırma Museum Directorate</b>	0(266)7154138	Paşakent, Şht. Cengiz Karabıyık Cd., 10200 Bandırma/Balıkesir

Table 3 Contact Information of Regional Board Directorates

Name	Phone	Adress
<b>Eskişehir Cultural Assets Regional Board Directorate</b>	(0222) 230 63 32	Cunudiye Mah., Kasabalılar Sok. No:6, 26030 Odunpazarı/Eskişehir
<b>Bursa Cultural Assets Regional Board Directorate</b>	(0224) 220 14 37 (0224) 224 39 18	Çırpan Mah. 2. Güçlü Sok. No:2 Kat :1 OSMANGAZİ / BURSA
<b>Balıkesir Cultural Assets Regional Board Directorate</b>	(0266) 245 73 83	Dumlupınar, Kız Orta Okul Sk. no:63, 10010 Karesi/Balıkesir





**HERMES**

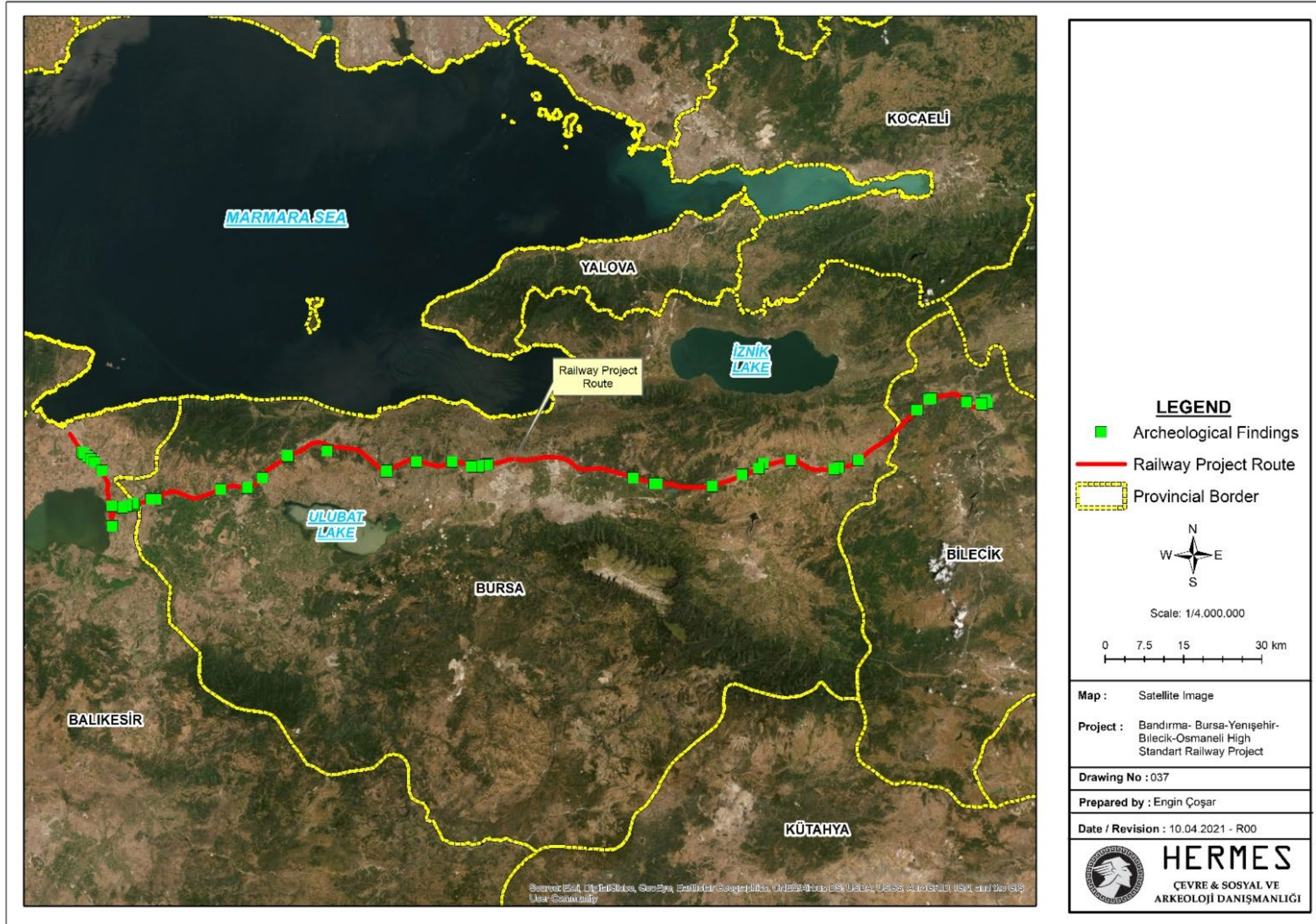
ÇEVRE & SOSYAL VE  
ARKEOLOJİ DANIŞMANLIĞI

BANDIRMA- BURSA YENİŞEHİR – BİLECİK OSMANELİ  
HIGH STANDART RAILWAY PROJECT  
CHANCE FIND PROCEDURE

---

## **APPENDIX-4: MAPS OF ARCHAEOLOGICAL SITES**









### APPENDIX 3: CONTACT INFORMATION OF RELATED MUSEUM DIRECTORATES AND REGIONAL BOARD DIRECTORATES

**Table 1** Museum Contact Information

Name	Phone	Adress
<b>Bilecik Museum Directorate</b>	(0228) 212 80 81	İstiklal, Alırza Özkay Cad. No:25, 11200 Merkez/Bilecik Merkez/Bilecik
<b>Bursa Museum Directorate</b>	(0224) 234 49 18	Gaziakdemir Mh, Kültür Park, Çekirge Cd. 4/11 D:1, 16050 Osmangazi/Bursa
<b>Bandırma Museum Directorate</b>	0(266)7154138	Paşakent, Şht. Cengiz Karabıyık Cd., 10200 Bandırma/Balıkesir

**Table 2** Contact Information of Regional Board Directorates

Name	Phone	Adress
<b>Eskişehir Cultural Assets Regional Board Directorate</b>	(0222) 230 63 32	Cunudiye Mah., Kasabalılar Sok. No:6, 26030 Odunpazarı/Eskişehir
<b>Bursa Cultural Assets Regional Board Directorate</b>	(0224) 220 14 37 (0224) 224 39 18	Çırpan Mah. 2. Güçlü Sok. No:2 Kat :1 OSMANGAZİ / BURSA
<b>Balıkesir Cultural Assets Regional Board Directorate</b>	(0266) 245 73 83	Dumlupınar, Kız Orta Okul Sk. no:63, 10010 Karesi/Balıkesir



**APPENDIX 4 – Archaeological Finding of Project Route**

