

**Lower Thames Crossing
6.3 Environmental Statement
Appendices
Appendix 6.10 – Assessment
Tables
(Clean version)**

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Lower Thames Crossing

6.3 Environmental Statement Appendices

Appendix 6.10 – Assessment Tables

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1 Assessment tables

1.1 Assessment tables

Table 1.1 Conservation areas assessment table

Project ID	Name	Value	Construction physical impact	Construction setting Impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
CA2	Great Warley	High	None	Tree planting for the Nitrogen Deposition Compensation Area would not harm the value of the asset	None required	No change	Neutral	The presence of additional trees within the Nitrogen Deposition Compensation Area would not harm the value of the asset, which derives some value from its wooded setting.	None required	No change	Neutral
CA4	North Ockendon	High	Multi-utility network works would take place along the B186 within the Conservation which would introduce noise and construction traffic which would have a small but temporary impact on its aesthetic value.	The high-value designated North Ockendon Conservation Area (CA4), is partially located within the Order Limits, approximately 250m east of the M25. During the construction phase, the M25 compound would be established immediately to the south and south-west of the asset. A short-term online main construction route would be established through the Conservation Area, along Ockendon Road and the B186. Multi-utility network works would also take place areas along the B186. Construction of the main alignment and associated earthworks would take place c. 270m west of the asset. These activities would be mitigated through the good practice mitigation of appropriate screening of construction compounds and measures to reduce dust, noise and light (S326) and reinstatement of the agricultural land used for the construction compounds. Overall, with the implementation of mitigation this would result in a temporary impact of	Screening of construction compounds, Good Practice, Reinstatement of Agricultural Land	Moderate	Temporary Moderate Adverse	North Ockendon (CA4) Conservation Area, which is of high value, is located approximately 250m east of the M25. The rural landscape surrounding the asset (albeit compromised to the west by the M25) makes a minor contribution to its overall value through its aesthetic and illustrative historical value as a rural settlement (Application Document 6.2, Figure 6.6, Viewpoint N-38). Operation of the Project would result in the presence of a new road c. 250m south-west of the asset, passing under the M25, and curving eastward through the currently rural landscape approximately 600m south of the asset. This would be mitigated by false cutting earthwork embankments along the main alignment to the south-east and south of Ockendon. The false cutting earthworks and overbridges would be visible in southward views out of the Conservation Area, from the PRow in the western hamlet and the B186 in the eastern hamlet. However, key Internal views identified in the Conservation Area Character Appraisal (London Borough of Havering, 2008c) would not be altered. Overall, the Project would result in a permanent impact of moderate adverse magnitude and a moderate adverse effect, which is significant	False cutting earthworks	Moderate	Moderate adverse

Project ID	Name	Value	Construction physical impact	Construction setting Impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
				moderate adverse magnitude.							
CA5	Orsett	High	None	None	None	No change	Neutral	No change	None	No change	Neutral
CA6	East Tilbury	High	None	The high value designated East Tilbury Conservation Area (CA6), is located approximately 30m east of the Order Limits and main works area and approximately 510m east of the proposed location of the main alignment and associated earthwork embankments. The Tilbury Viaduct would be constructed approximately 550m to the south-west of the asset, and the Northern Tunnel Entrance Compound would be established approximately 135m to the south of the asset. The Muckingford Road Utility Hub would be established c. 400m west of the Conservation Area. Multi-utility network works would take place within the agricultural land between East Tilbury and the main alignment. These construction activities would cause visual and auditory disturbance to the rural setting to the south-west of the Conservation Area, which makes a minimal contribution to its value. However, the works would be large in scale and intrusive in nature. These temporary construction activities would be mitigated through screening of construction compounds with fencing and good practice measures to reduce the impact of dust, noise and lighting. Following the implementation of mitigation, construction of the Project is	Screening of construction compounds, Good Practice	Moderate	Temporary moderate adverse, permanent slight adverse	East Tilbury (CA6) Conservation Area, which is of high value, is located approximately 510m east of the main alignment and associated earthwork embankments. The Tilbury Viaduct would be located approximately 550m to the south-west of the asset. As a settlement built as a 'garden village', the surviving rural landscape to the west, south and south-east of the Conservation Area makes a minor contribution to its value, through its aesthetic and illustrative historical value. However, it should be noted that a 299-unit housing development has recently been constructed on the western side of the asset, further reducing its connections with the agricultural landscape (planning reference 09/50045/ TTGOUT). A 50-home development has also been constructed at Bata Mews immediately south of the Conservation Area (13/01163/FUL). The majority of the Conservation Area's value is derived from the evidential, historical and aesthetic value of its built form, features and open spaces, and from its associative historical value with Thomas Bata and its sister settlement in Zlín, in the Czech Republic, where the Bata company originated. The Project would result in the visible presence of tall infrastructure (Tilbury Viaduct) and earthworks through the agricultural landscape to the south-west of the Conservation Area, further eroding the rural setting in combination with the recently constructed developments mentioned above. While this would reduce the agricultural landscape in this direction, it would not be completely severed and several rural fields would remain adjacent to the south-	False cutting earthworks on the northern side of the Tilbury Viaduct	Moderate adverse	Moderate adverse

Project ID	Name	Value	Construction physical impact	Construction setting Impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
				assessed to result in a temporary impact of moderate adverse magnitude and a moderate adverse effect, which is assessed as significant.				western side of the asset. Noise levels would increase in the south-western part of the Conservation Area, although it should be noted that this area is historically industrial in character. Overall, the operation of the Project would result in a permanent impact of minor adverse magnitude and a slight adverse effect, which is not significant			
CA7	West Tilbury	High	Construction of the Project would result in a permanent physical impact to the high-value West Tilbury Conservation Area (CA7). Construction of a utility access route and following that in the same location, an NMU route, would result in the removal of the 'gappy' hedgerow and bank that forms the northern boundary of the Great Common Field and of the Conservation Area itself. This would result in a minor impact and a slight, rather than moderate, effect due to the small scale of change to the overall value of the Conservation Area and due to mitigation.	A number of temporary construction activities would affect the asset, comprising the following: <ul style="list-style-type: none"> Creation of a utility access route and associated utility working area across the northern edge of the Great Common field within the asset A utility access route across open land immediately south of the Conservation Area Establishment of the Northern Tunnel Entrance Compound immediately to the south-east of the asset Construction of the main alignment approximately 185m to the east of the asset Utility access route across the fields immediately to the south of the asset between Gun Hill and Coopers Shaw Road Mains works construction access route (secondary access) along Coopers Shaw Road and Church Road immediately east of the asset. 	Screening of construction compounds, Good Practice, archaeological excavation and recording (REAC Ref. CH001; AMS-OWSI No. 4)	Permanent Minor and Temporary Moderate	Permanent Slight Adverse and Temporary Moderate Adverse	The asset's south-eastern extent would be approximately 195m to the west of the operational main alignment and Tilbury Viaduct. The Muckingford Road bridge over the A122 and earthworks would be located approximately 560m to the east of the northern part of the asset (Application Document 6.2, Figure 6.6, Viewpoints N-08, N-09 and N-11). These would greatly change the character of the agricultural land to the east of the asset, with the introduction of raised road infrastructure which would alter the views and the skyline and reduce the rural landscape between West and East Tilbury. Key views southward over the former marshes to the historically associated common land would remain, as would views to the west and north. Key views towards West Tilbury and the tower of the Church of St James from the landscape to the south-west would also be preserved. The introduction of the landscape earthworks to the south of the North Portal would not prevent views across the river to Kent. Several areas within CA7 would see a noticeable increase in noise levels due to the operational Project, largely in open land away from existing roads. The eastern part of the Great Common Field, around the Grade II* listed "Marshall's Cottages" (LB90) would see an increase of 5db to 10db (a moderate adverse change in noise terms). The southern part of the Conservation Area, to the south of	None	Moderate	Moderate adverse

Project ID	Name	Value	Construction physical impact	Construction setting Impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
								the Grade II* listed “Church of St James” (LB33) would see a similar increase. Much of the eastern part of the Conservation Area at Low Street would also see a 5db to 10db increase (in the rural land away from the existing Church Road). These noise changes would noticeably reduce the rural character of the Conservation Area.			
CA8	Queen's Farm, Shorne	Medium	None	The medium value designated Queen's Farm Conservation Area (CA8) is outside the 1km study area but has been included in this assessment as it is located within the landscape study area. Key views into and out of the asset, identified within the Conservation Area Appraisal (Gravesham Borough Council, 2017c), do not include the area within the Order Limits. These views are primarily focused northward, toward the River Thames. The areas within the Order Limits that would contain construction compounds and groundworks are distant from the asset, located across a gently rising landscape. While parts of the Order Limits are distantly visible from the asset, they do not contribute to its value and construction work is unlikely to be intrusive within the views at this distance. The asset would experience no change, resulting in a neutral effect, which is assessed as not significant	None	No change	Neutral	Sited outside the 1km study area, Queen's Farm (CA8) Conservation Area has been included in this assessment as it is located within the landscape study area. Queen's Farm (CA8) Conservation Area is of medium value. The asset is located approximately 1.1km east of the Order Limits (the below-ground element) and approximately 1.7km north-east of the South Portal. Key views into and out of the asset, identified within the Conservation Area Appraisal (Gravesham Borough Council, 2017c), do not include the Order Limits. These views are primarily focused northward, toward the River Thames. The areas of the land within the Order Limits which would contain above-ground development are distant from the asset, across a gently rising landscape with a number of intervening hedge- or tree-lined field boundaries; the dominant element of the view in the direction of the Order Limits is the line of electricity pylons. While parts of the land within the Order Limits are distantly visible from the asset, they do not contribute to its value and the Project is unlikely to be prominent or intrusive within the views at this distance. Operation of the Project would result in no change to the value of the asset, and therefore a neutral effect, which is assessed as not significant	None	No change	Neutral
CA9	Shorne Village	High	None	The high value designated Shorne Conservation Area (CA9) is located approximately 500m south-	None	Minor adverse	Temporary Slight adverse	CA9 Conservation Area derives its value primarily from the historical, evidential and aesthetic value of its built form and historic open spaces,	None	Minor adverse	Slight adverse

Project ID	Name	Value	Construction physical impact	Construction setting Impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
				<p>east of the Order Limits and is predicted to experience a temporary change to its setting. During the construction phase, the Southern Tunnel Entrance compound, utility diversion works, and the construction of the main alignment would occupy much of the middle ground of one key external view identified in the Conservation Area Appraisal (Gravesham Borough Council, 2017d). Given the high elevation of the vantage point (Application Document 6.2, Figure 6.6, Viewpoint, S-32) it would not be possible to mitigate this impact. This would result in a temporary impact of minor adverse magnitude and a slight adverse effect, which is assessed as not significant</p>				<p>although it also derives some value from its setting, including a number of key internal and external views. One such key external view (identified in the Conservation Area Appraisal (Gravesham Borough Council, 2017d)) overlooks the area within the Order Limits (Application Document 6.2, Figure 6.6, Viewpoint S-32), and is from a PRoW immediately west of the Conservation Area boundary, although similar views (somewhat filtered by seasonal vegetation) are likely to be possible with the adjacent parts of the Conservation Area. This wide-ranging panoramic view encompasses a foreground of the arable chalk landscape (small arable fields, followed by the open prairie fields and golf course within the Order Limits), a middle ground of reclaimed marshland and the River Thames, to distant views of Essex beyond. The view contains a wide-ranging mix of agricultural, industrial, infrastructure and residential elements. The foreground is predominantly agricultural, apart from prominent electricity pylons and the Thames View Crematorium (immediately to the north of the Order Limits). In itself, this view makes a minor contribution to the overall value of the Conservation Area, through its aesthetic value.</p> <p>Woodland will be established in the NDEP areas c. 210m to the south-east and 220m to the south of Shorne Conservation Area. As the setting of the Conservation Area in these directions is enclosed and already contains a large amount of woodland, this is not assessed to result in harm to the value of the asset.</p> <p>During the operational phase the main alignment and South Portal area would be visible within the middle ground of this view. Large areas of the land inside the Order Limits within the view would be returned to landowners, and other</p>			

Project ID	Name	Value	Construction physical impact	Construction setting Impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
								areas would see a change in use from arable to areas of new contoured earthworks with woodland edge planting (Figure 2.4: Environmental Masterplan (Application Document 6.2) LE2.2), woodland with non-native species (EMP element LE2.11) and species-rich grassland (Figure 2.4: Environmental Masterplan (Application Document 6.2) LE1.3). Given the high elevation of the vantage point, it will not be possible to mitigate these changes to the key view. However, while the Project would introduce new elements within the middle ground, it should be noted that this would be in the context of a wide-ranging panoramic view which already contains a mix of rural, industrial, infrastructure and residential elements. The changes to this key view would result in a minor magnitude permanent impact.			
CA10	Thong Conservation Area	Medium	CA10 would experience a limited physical impact, comprising the widening of Thong Lane at the northern edge of the area and slight encroachment within the gardens of Homes for Heroes buildings on the western side of the road. This would result in a permanent minor magnitude impact to the asset.	Thong Conservation Area (CA10) is predicted to experience a temporary change to its setting from construction of the main alignment and associated earthworks and landscaping, the A2 compound and the southern tunnel entrance compound. This would temporarily introduce additional noise, lighting and visible construction activity and machinery to the asset's settings (Application Document 6.2, Figure 6.6, Viewpoint S-25). This would be mitigated by screening of construction compounds with hoarding (S325.08), and good practice construction procedures to reduce the impact of noise, dust and lighting. This would result in a temporary impact of moderate adverse magnitude and a moderate	Screening of construction compounds	Temporary Moderate, Permanent minor	Temporary moderate adverse, permanent slight adverse	The northernmost part of the medium-value designated Thong (CA10) Conservation Area extends within the Order Limits. Utility diversions to the west of Thong would require the movement of an existing electricity pylon closer to the edge of Thong Conservation Area, placing it approximately 75m west of the Conservation Area, as opposed to the current distance of approximately 200m. This would add to the change to the setting of the Conservation Area, introducing additional infrastructure in close proximity that would increase the enclosure of the current open setting, and consequently affect its value. In addition, the existing key northern approach to the Conservation Area (identified in the Conservation Area Appraisal (Gravesham Borough Council, 2017e)) on the historic route of Thong Lane would be altered with new woodland planting screening along a new curving road alignment. This would alter the historic approach	Earthworks and woodland planting to screen part of A122 route	Moderate adverse	Moderate adverse

Project ID	Name	Value	Construction physical impact	Construction setting Impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
				adverse effect on the medium value Thong Conservation Area (CA10) which is assessed as significant				to the Conservation Area and screen the existing key views towards the asset on the approach from the north. No mitigation has been identified that could reduce these impacts to the Conservation Area. The alteration of the northern approach into the Conservation Area and the large changes to elements of its setting that contribute to its value would affect the value of the Conservation Area. During the operational phase, the main alignment would be located approximately 50m to the west of Thong (CA10) Conservation Area, passing to the west of the asset to meet the rising earthworks of the M2/A2/Lower Thames Crossing junction approximately 125m south-west of the asset. The landscape earthworks to screen the M2/A2/Lower Thames Crossing junction would raise the ground level significantly to the south-west, and the M2/A2/Lower Thames Crossing junction would include flyover bridges. The character of the open agricultural land to the north-west, west and south-west of the asset would be changed to infrastructure and landscaping, and key external views towards the asset across the agricultural land to the west would be adversely altered. The landscape to the west of the asset does not form as prominent a background in views out of the Conservation Area as does Randall Wood to the east. However, glimpsed views westward from along Thong Lane within the Conservation Area would be slightly altered. The view out of Thong (CA10) Conservation Area from the PRoW heading west from Thong Lane would be far more noticeably altered when viewed from the western edge of the Conservation Area. The key view looking south to the asset when approached from the north along Thong Lane would also be altered, with the realignment of			

Project ID	Name	Value	Construction physical impact	Construction setting Impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
								<p>the historic route of Thong Lane, and woodland planting which would screen views to the Conservation Area.</p> <p>While views looking east from Thong (CA10) Conservation Area to Randall Wood would not be altered, the external views westward towards the asset from the edge of the wood itself would be altered, with the Project visible in the background. Therefore, all of the key long-distance views of the Conservation Area identified within the Conservation Area Appraisal (Gravesham Borough Council, 2017e) would be adversely altered. Apart from the views from the north, key internal views within the Conservation Area would not be altered. However, a key characteristic of the Conservation Area, appearing 'islanded' within a rural landscape, would be compromised by the shrinking of the 'island' within which it sits.</p> <p>The long-term operational noise change from the existing baseline would not be discernable from most parts of the Conservation Area (Figure 12.8, Application Document 6.2). In the western part of the Conservation Area, west of Thong Lane and in most cases to the rear of the properties along the lane, the operational noise would be 5 to 9.9dBA higher than the present which Chapter 12 assesses as a moderate adverse change. The introduction of additional traffic noise which was not previously present in the rural setting would cause a degree of harm to its aesthetic value.</p> <p>Regarding Lighting, according to Chapter 6 Appendix 7.9 (Application Document 6.2) states "there would be a perceived change in the night-time environment due to new sources of lighting (LED luminaires) and vehicle lights at the M2/A2/Lower Thames Crossing junction, in particular on the elevated Project road southbound to A2 westbound</p>			

Project ID	Name	Value	Construction physical impact	Construction setting Impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
								<p>viaduct structure. Additional light sources would also be present along Thong Lane and on the Thong Lane green bridge south. The street lighting along the A2 corridor would change to LED luminaires. Installed on lower columns, emitting reduced light spill and skyglow compared with the existing luminaires, the prominence of the new lighting would be limited and perceived in the context of existing lighting. However, due to the widened corridor, the extent of lighting would be increased, with additional lanes of traffic and vehicle lights evident. The perception of lighting would be greatest further north in the LLCA away from existing lighting along the A2 corridor”, i.e. in the vicinity of Thong Conservation Area.</p> <p>The impacts to the Conservation Area would be mitigated by the Thong Lane green bridge to reduce visibility of the main alignment, a wooded circle around Thong helping to retain part of the rural setting (Design Principle S2.01), native woodland planting on the slopes of the M2/A2/Lower Thames Crossing junction earthworks to the south-west to screen the infrastructure of the junction (Figure 2.4: Environmental Masterplan (Application Document 6.2) LE2.1, 2.2, 2.3, 2.4) and establishment of new woodland planting at the M2/A2/Lower Thames Crossing junction to help reduce the effects of new lighting on the night-time environment.</p> <p>Overall, these impacts to its views and setting would adversely affect the Conservation Area, although it would still be understandable as a linear village with no further change (after construction) to the relationships between the buildings and it would maintain its relationship with Thong Lane and the land to the west. Therefore, this would result in a moderate magnitude permanent impact to this medium-value asset</p>			

Project ID	Name	Value	Construction physical impact	Construction setting Impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
								and a moderate adverse effect, which is assessed as significant.			
CA11	Cobham Village	High	The Order Limits extends partially within the asset along Halfpence Lane. The asset is predicted to experience a temporary change to its rural character from proposed utilities works along Halfpence Lane.	The high value designated Cobham Conservation Area (CA11) is located partially within the Order Limits and is predicted to experience a temporary change to its rural character from proposed utilities works along Halfpence Lane within and adjacent to the Cobham Conservation Area (CA11). This would result in a temporary impact of minor adverse magnitude and a slight adverse effect, which is assessed as not significant	None	Minor adverse	Temporary Slight adverse	Cobham (CA11) Conservation Area is located partially within the Order Limits, at an area proposed for utilities works along Halfpence Lane, which will have been completed prior to the Operational Phase. The main alignment and associated landscaping would be located approximately 925m north of the asset. Halfpence Lane, included within the Order Limits, makes a minor contribution to the setting and character and appearance of the asset, as it forms a historic routeway and an approach to the village from the A2. The main alignment area within the Order Limits does not contribute to the value of the asset and is largely screened by intervening woodland and undulating topography. From the very north-eastern corner of the Conservation Area within Cobham Hall (RPG1), distant glimpses of the main area within the Order Limits are possible in the vicinity of Brewers Road but in themselves do not contribute to the value of the asset. The long-term operational noise change would not be discernably different from existing noise levels. During operation, the remainder of the area within the Order Limits would be largely screened from the asset by vegetation. However, there is potential for distant glimpsed views of the tallest elements of the M2/A2/Lower Thames Crossing junction (approximately 1.1km to the north-west) from the upper stories of buildings within the Conservation Area during the winter months (Application Document 6.2, Figure 6.6, Viewpoint S-(CH)07). Such distant glimpsed views would not affect the value of the Conservation Area. While night-time lighting will increase due to the widening of the A2	None	No change	Neutral

Project ID	Name	Value	Construction physical impact	Construction setting Impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
								corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)), therefore the change is unlikely to be of a scale which would harm the value of the asset.			
CA14	Riverside, Gravesend	High	None	The high-value Gravesend Riverside Conservation Area (CA14) would experience an impact from the use of Canal Road within the asset as a short-term online main works construction access route linking the Milton Compound with the Southern Tunnel Entrance Compound. The increase in traffic (within this already urban area) would result in a temporary impact of minor adverse magnitude and a slight adverse effect, which is not significant	None	Minor adverse	Temporary Slight adverse	No change	None	No change	Neutral

Table 1.2 Geoarchaeological assessment table

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
PQ-1	Appendix 6.5	Ebbsfleet carpark. Made/ backfilled ground onto Chalk, previously Chalk quarry	Low	None	None	None	No change	Neutral	N/A	None	No change	Neutral
PQ-2	Appendix 6.5	Ebbsfleet Valley (similar deposits to those at the HS1 Ebbsfleet Elephant site)	Medium	None	None	None	No change	Neutral	N/A	None	No change	Neutral
PQ-3	Appendix 6.5	Ebbsfleet Valley upland catchment - Head infilling dry valleys and as intermittent spreads/ patches	Medium	Deposits will be partially removed during construction of main alignment.	None	Archaeological excavation and recording	Negligible	Permanent Slight Adverse	N/A	None	No change	Neutral
PQ-4	Appendix 6.5	Shorne Woods Plateau - high-ground interfluvium between Thames and Medway, formed of outcrop of Lambeth and Thames Group bedrock	Medium	Deposits will be partially removed during construction of main alignment.	None	Archaeological excavation and recording	Negligible	Permanent Slight Adverse	None	None	No change	Neutral
PQ-5	Appendix 6.5	Jeskyns shelf high-ground interfluvium between Thames and Medway to wide spreads of Head and possibly small outcrops of high "plateau gravels"	Low	Deposits will be partially removed during construction of main alignment.	None	Archaeological excavation and recording	Negligible	Neutral	None	None	No change	Neutral
PQ-6	Appendix 6.5	Thong Lane, dip slope of North Downs - Chalk and Thanet Sand bedrock with Head in dry valleys and intermittently across bedrock sides and plateau surface	Medium	Deposits will be partially removed during construction of main alignment, South Portal and cut and cover	None	Archaeological excavation and recording	Negligible	Permanent Slight Adverse	N/A	None	No change	Neutral
PQ-7	Appendix 6.5	Filborough - Thames terraces (Lynch Hill and Taplow) lying on Chalk bedrock at foot of dip slope above south bank of Thames	High	Deposits partially removed by tunnelling	None	Archaeological excavation and recording	Minor	Permanent Moderate Adverse	N/A	None	No change	Neutral
PQ-8	Appendix 6.5	Thames, southern floodplain edge - Holocene alluvium overlying potential buried Pleistocene terrace deposits	High	Minor amounts of Pleistocene terrace deposits removed by tunnelling	None	Archaeological Survey and Archaeological Excavation and Recording	Minor	Permanent Moderate Adverse	N/A	None	No change	Neutral
PQ-9	Appendix 6.5	Thames, main floodplain - Holocene alluvium overlying Late Pleistocene gravel (Shepperton)	Medium	Deposits partially removed by North Portal and ground protection tunnel and during construction of main alignment	None	Archaeological Survey and Archaeological Excavation and Recording	Minor	Permanent Slight Adverse	N/A	None	No change	Neutral
PQ-10	Appendix 6.5	Thames, northern floodplain edge - Holocene alluvium overlying potential buried Pleistocene terrace deposits	High	Surface deposits may be partially removed by cut	None	Archaeological Survey and Archaeological	Minor	Permanent Slight Adverse	N/A	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
				and cover and during construction of main alignment		Excavation and Recording						
PQ-11	Appendix 6.5	Goshems Farm - outcrop of Lynch Hill Gravel surrounded by apron of Head deposits	Medium	Deposits will be partially removed during construction of main alignment.	None	Archaeological excavation and recording	Minor	Permanent Slight Adverse	N/A	None	No change	Neutral
PQ-12a,b	Appendix 6.5	Shearwater Avenue (PQ-12a) and Sutton's Farm (PQ-12b) - Mucking/Taplow Gravel spread with possible Lynch Hill outcrop at northwest edge of PQ-12a	Medium	Deposits will be partially removed during construction of main alignment.	None	Archaeological excavation and recording	Minor	Permanent Slight Adverse	N/A	None	No change	Neutral
PQ-13	Appendix 6.5	Chadwell Saint Mary - wide spread of Orsett Heath/Boyn Hill gravel	Medium	Deposits will be partially removed during construction of main alignment.	None	Archaeological excavation and recording	Minor	Permanent Slight Adverse	N/A	None	No change	Neutral
PQ-14	Appendix 6.5	Southfields - local high, Black Park Gravel (mapped as Orsett Heath Gravel by Bridgland)	Medium	Deposits will be partially removed during construction of main alignment.	None	None	Minor	Permanent Slight Adverse	N/A	None	No change	Neutral
PQ-15	Appendix 6.5	Brook Farm Channel - Head-filled channel-like feature between Mar Dyke Basin and main Thames estuary	Low	Deposits will be partially removed during construction of main alignment and Orsett Fen flood attenuation compensation.	None	None	Negligible	Permanent Slight Adverse	N/A	None	No change	Neutral
PQ-16	Appendix 6.5	Loft Hall Farm – Bedrock – dominated zone (Lambeth Group) on southwest side of Mar Dyke basin	Medium	Deposits will be partially removed during construction of main alignment.	None	Archaeological excavation and recording	Minor	Permanent Slight Adverse	N/A	None	No change	Neutral
PQ-17	Appendix 6.5	Cuckoo Lane - small outcrop of Lynch Hill/ Corbets Tey Gravel on southern side of Mar Dyke, with Head infilling minor dry valley	Medium	Deposits will be partially removed during construction of main alignment.	None	Archaeological excavation and recording	Minor	Permanent Slight Adverse	N/A	None	No change	Neutral
PQ-18	Appendix 6.5	Medebridge Road – south-east margin of wide spread of Lynch Hill Gravel on northwest side of Mar Dyke	High	Deposits will be partially removed during construction of main alignment.	None	Archaeological excavation and recording	Minor	Permanent Slight Adverse	N/A	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
PQ-19	Appendix 6.5	Kemps Farm, Dennis Road and Manor Farm - wide spread of Lynch Hill Gravel (including the Belhus Organic Channel) to west and north of the curving course of the Mar Dyke	High	Deposits will be partially removed during construction of main alignment.	None	Archaeological excavation and recording	Minor	Permanent Slight Adverse	N/A	None	No change	Neutral
PQ-20a,b	Appendix 6.5	East side of Mar Dyke basin (PQ-20a - Green Lane; PQ-20b - Castles Grove	Medium	Deposits will be partially removed during construction of main alignment and Orsett Fen flood attenuation compensation.	None	Archaeological excavation and recording	Minor	Permanent Slight Adverse	N/A	None	No change	Neutral
PQ-20c	Appendix 6.6	Bulphan - Head with patches of London Clay bedrock	Medium	None	None	None	No change	Neutral	N/A	None	No change	Neutral
PQ-21	Appendix 6.5	Mar Dyke narrows - narrowing channel of Mar Dyke as it passes south-westward towards the north side of the Purfleet anticline, infilled with Holocene alluvium	Low	Deposits will be partially removed during construction of main alignment and Orsett Fen flood attenuation compensation.	None	Archaeological excavation and recording	Negligible	Permanent Slight Adverse	N/A	None	No change	Neutral
PQ-22a,b	Appendix 6.5	Mar Dyke basin (PQ-22a - main part, Fen Farm; PQ-22b – north-west part, Puddle Dock) - Holocene alluvium (thin?) over Head or bedrock	Low	Deposits will be partially removed during construction of main alignment and Orsett Fen flood attenuation compensation.	None	Archaeological excavation and recording	Negligible	Permanent Slight Adverse	None	None	No change	Neutral
PQ-23a,b	Appendix 6.5	Mar Dyke, eastern margins (PQ-23a - Orsett Fen, Hobletts; PQ-23b - Stringcock Fen) - Head outcrops at edge of Mar Dyke basin, interspersed with spreads of presumed Holocene alluvium	Medium	Deposits will be partially removed during construction of main alignment and Orsett Fen flood attenuation compensation.	None	Archaeological excavation and recording	Negligible	Permanent Slight Adverse	N/A	None	No change	Neutral
PQ-24	Appendix 6.5	Mar Dyke basin, west side - Head on western edge of Mar Dyke, with occasional outcrops of London Clay bedrock	Medium	Deposits will be partially removed during construction of main alignment.	None	Archaeological excavation and recording	Negligible	Permanent Slight Adverse	N/A	None	No change	Neutral
PQ-25	Appendix 6.5	Hall Farm - major spread of Orsett Heath/ Boyn Hill Gravels, overlain in places by Head-filled depressions or minor channels	High	Deposits will be partially removed during construction of main alignment.	None	None	Minor	Permanent Slight Adverse	N/A.	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
PQ-26	Appendix 6.5	White Post Farm - local high ground, Black Park Gravel outcrops	Medium	Deposits will be partially removed during construction of main alignment.	None	Archaeological excavation and recording	Negligible	Permanent Slight Adverse	N/A	None	No change	Neutral
PQ-27	Appendix 6.5	Mar Dyke, northern edge - Head on edge of Mar Dyke (possible glacial till of Lowestoft Formation and glacio-fluvial outwash present beneath Head)	Medium	Deposits will be partially removed during construction of main alignment and Orsett Fen flood attenuation compensation.	None	Archaeological excavation and recording	Negligible	Permanent Slight Adverse	N/A	None	No change	Neutral
PQ-28	Appendix 6.5	Foxburrow Wood - Mainly Eocene bedrock (London Clay, Claygate Member, and Bagshot Formation) with occasional patches of Head	Medium	Deposits will be partially removed during construction of main alignment.	None	Archaeological excavation and recording	Negligible	Permanent Slight Adverse	N/A	None	No change	Neutral
PQ-29	Appendix 6.5	Park Pale - South Downs (Medway basin), chalk downs with Palaeocene outcrops (Thanet Sand, Lambeth Group) dissected by Head-filled dry valleys	Medium	Deposits partially removed during main alignment.	None	None	Negligible	Permanent Slight Adverse	N/A	None	No change	Neutral

Table 1.3 Historic landscape character assessment table: North of the River Thames

Historic landscape category	Value	Historic Landscape Types (HLTs) impacted	Construction / Operation Impact	Operation mitigation	Magnitude of impact	Significance of effect	Significance
Marshland and reclaimed land	Medium	HLT ref. II: Drained reclamation (curvilinear) pre-18th century, HLT ref. JJ: Drained reclamation (rectilinear) 19th-20th century	Impacts on the historic landscape from construction and operation have been considered cumulatively: Construction and operation of the North Portal and the main alignment, as well as landscaping and ecological habitat will permanently alter this historic landscape. Creation of ecological mitigation areas such as grassland or scrub with banks and ditches will permanently change the existing historic field pattern of this landscape.	Agricultural land will be reinstated either side of the main alignment between Tilbury and Chadwell St Mary, in keeping with the historic character of the reclaimed marshland.	Moderate	Moderate adverse	Significant
Open land, commons, heaths and fens	Medium	HLT ref. GG: commons with an open margin	Impacts on the historic landscape from construction and operation have been considered cumulatively: Construction and operation the main alignment will sever an area of open common land at Orsett Fen which has been relatively unchanged for centuries. Creation of wetland habitat either side of the operational alignment will alter the historic function of open common land at Orsett Fen.	None	Moderate	Moderate adverse	Significant
Farming landscape	Medium	HLT ref. DD: 20th century agriculture (boundary loss), HLT ref. TT: piecemeal enclosure by agreement, HLT ref. U: irregular enclosure, HLT ref Z: 20th century enclosure	Impacts on the historic landscape from construction and operation have been considered cumulatively: The historic agricultural landscape will be impacted by construction of the Project between West Tilbury and North Ockendon and the operational alignment will permanently change its character. Ecological mitigation areas such as such as grassland or scrub with banks and ditches will alter several units of this historic landscape. Nitrogen deposition (Ndep) compensation tree planting will permanently alter the agricultural landscape within Ndep sites at Hoford Road and Hole Farm.	The creation of open mosaic habitat would not significantly impact this historic landscape. Ndep compensation tree planting would impact the agricultural landscape at Hoford Road and Hole Farm sites.	Moderate	Moderate adverse	Significant
Industry and infrastructure	Medium	HLT ref. RR: former mineral extraction	Impacts on the historic landscape from construction and operation have been considered cumulatively: Construction and operation of the Tilbury Link and its associated earthworks would permanently change the character of an area of former mineral extraction (HLT ref. RR).	None	Minor	Slight adverse	Not significant
Woodland	Low	HLT ref. CC: ancient woodland HLT ref. AA: 18th to 20th century woodland plantation.	Impacts on the historic landscape from construction and operation have been considered cumulatively: Construction of the Project will result in the partial removal of three areas of ancient woodland (HLC ref. CC) along the Ockendon Link section of the LTC route. A small area of 18th to 20th century woodland plantation (HLC ref. AA) will be removed. A new community woodland is proposed at Hole Farm as part of nitrogen deposition compensation measures.	Replanting of woodland in small area of 18th to 20th century woodland plantation (HLT ref. AA). Ancient woodland compensation planting at Hole Farm.	Minor	Slight adverse	Not significant

Table 1.4 Listed buildings assessment table: North of the River Thames

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
LB153	1250606	Hole Farmhouse	High	II	None	LE8.7 Nitrogen Deposition Planning Mitigation would take place in the fields surrounding the asset. This would not be a highly visually-intrusive activity compared to road construction, and the temporary impact caused by this is assessed to be negligible.	None	Negligible	Temporary slight adverse	The high-value Grade II listed "Hole Farmhouse" is located south of Great Warley and is largely surrounded by land within the Order Limits (although the asset itself is outside the Order Limits). The majority of the fields around the asset would change in use from arable land to LE8.7 Nitrogen Deposition Planting Mitigation (which would include a mixture of woodland and open glades). The asset would become largely divorced from its agricultural setting and lose its functional historical connection with the surrounding farmland. The effect is assessed as moderate rather than large due to the lack of physical harm to the fabric building and its curtilage.	None	Moderate	Moderate adverse
LB11	1079926	The Rectory	High	II	None	Sited in the vicinity of the Order Limits off Church Lane, construction activity would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery. This would cause a minor adverse impact to this high value asset, as the key relationship with the church of St Mary Magdalene would not be affected. The effect is assessed as slight rather than	Good practice	Minor	Temporary slight adverse	The asset is located within the settlement of North Ockendon and its relationship with the village and the church would not be altered.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						moderate as the key elements of the assets setting that contribute to its value would not be harmed.							
LB37	1111566	Whitecrofts Farmhouse	High	II	None	The main alignment (A13 junction) and associated earthworks would be constructed immediately to the north and west of the asset, with associated visual and aural disturbance to its setting. The Stanford Road Compound would also be established c. 300m to the south-east of the asset.	Good practice	Moderate	Temporary moderate adverse	The high-value Grade II listed "Whitecrofts Farmhouse" (LB37), now a care home, is located immediately south of the Order Limits, adjacent to the A1013. The main alignment (A13 junction) and associated earthworks would be present immediately to the north and west of the asset, altering the character of the formerly associated agricultural and in these directions and in very close proximity to the asset.	Woodland planting	Moderate	Moderate adverse
LB57	1111643	Baker Street Windmill	High	II	None	Baker Street Windmill (LB57) is located on the outskirts of the settlement of Baker Street, c. 60m to the east of the Order Limits. Utility diversion works for multi-utility networks would take place in the closest part of the Order Limits to the asset. Extensive construction activity for the A13/A1089/A122 Lower Thames Crossing junction, including the creation of earthwork embankments, would take place c. 75m to the south-west of the asset within a rural part of	Good practice	Moderate	Temporary moderate adverse	A significant effect is predicted due to the operation of the Project on Baker Street Windmill (LB57), a Grade II listed building located c. 70m east of the northern part of the A13/A1089/A122 Lower Thames Crossing junction. The existing rural land to the west of the asset would be replaced by the junction, including the roads themselves, earthwork embankments and ditches and landscape mitigation planting. This would greatly change the character and topography of a part of the setting of the asset that makes a contribution to its value. However, it should be noted that earthwork embankment adjacent to the main alignment would	Earthworks and planting	Moderate	Moderate adverse

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						<p>its setting that contributes to its value. The construction activity would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery. This would result in a temporary impact of moderate adverse magnitude and a moderate adverse effect, which is assessed as significant. The effect is assessed as moderate rather than large due to the lack of physical harm to the asset and lack of harm to other elements of its setting that contribute to its value such as its relationship with Baker Street.</p>				<p>be at their lowest point in closest proximity to the asset, increasing in height towards the south as they continue away from the asset. This would retain a degree of openness in the vicinity of the asset, although this would be slightly lessened by planting on the embankment (LE2.11 Woodland with Non-Native Species). The noise levels in the vicinity of the asset would not greatly increase as a result of the operation of the Project. Night-time light levels are likely to increase, due to the presence of 10m, 12m and 15m-tall Post Top lighting columns along the junction alignment. An overhead gantry would be located c. 166m to the south-west of the asset, although this would be screened by intervening tree planting (LE2.11 Woodland with Non-Native Species). As a windmill, the asset was built in open countryside which would enable strong winds to power its sails. This connection with the open countryside has already been somewhat eroded by the existing A13 junction c. 240m to the south-west and it would be further eroded by the operation of the Project. Consequently, the operation of the Project would cause a permanent impact of moderate adverse magnitude to this high value asset and a</p>			

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
										moderate adverse effect, which is significant			
LB109	1358548	Barn and Stable Block to the north of Broadfields Farmhouse	High	II	None	Sited immediately to the north-west of the Order Limits, activity associated with utility diversion works c. 60m south-east of the asset and construction of the main alignment c. 90m south-east of the asset (and associated vegetation removal) would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery. The effect is assessed as slight rather than moderate due to the fact that the majority of the elements of the setting of the asset that contribute to its value would remain unharmed.	Good practice	Minor	Temporary slight adverse	The asset is located adjacent to the existing route of the M25. The Project would increase the scale of the road infrastructure adjacent to this heritage asset, although its rural setting would remain intelligible. This would be mitigated by landscape planting - LE2.11 Woodland with Non-Native Species to replace some of the removed vegetation and to screen the road from view. The effect is assessed as slight rather than moderate due to the fact that the majority of the elements of the setting of the asset that contribute to its value would remain unharmed.	LE2.11 Woodland with Non-Native Species	Minor	Slight adverse
LB127	1111547	Riverside Station, including floating landing stage	High	II*	None	This asset is sited opposite Gravesend water-front and this would not be altered by construction activity. The online construction access route along Fort Road to the north of the asset would be the closest construction activity but would not change the current nature of the setting.	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral
LB128	1111553	Old Rectory	High	II	None	Construction activity would take place in the field adjacent to	Good practice	Minor	Temporary slight adverse	The distantly visible earthworks around the North Tunnel Portal would	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						the asset to establish an NMU route and ecological mitigation areas (LE6.41 Marsh and Wet Grassland - Coastal Grazing Marsh, LE6.2 Banks and Ditches (Polygon) and LE6.12 Water Bodies and Associated Plants - Shallow Scrape). The field in which the ecological mitigation takes place would also be used for light vehicle access to the northern tunnel construction compound. These works would introduce a small degree of visual and aural disturbance to the rural setting of the asset. The minor impact would result in a slight, rather than moderate, effect due to the minor scale of work in close proximity.				not harm the value of this asset.			
LB133	1111632	World's End Inn	High	II	None	The online construction access route along Fort Road c. 550m to the north of the asset would not cause impacts to elements of the setting that contribute to the value of the asset.	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral
LB134	1146774	Gun Hill Farmhouse	High	II	None	The online utilities access route along Gun Hill and the multi-utility network works c.100m to the east of the asset	Good practice	Minor	Temporary slight adverse	Although elements of the operational scheme could be very distantly visible c. 2km to the south-east of the asset, these would not harm an element of its	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						would introduce construction traffic and activity which would disturb the rural setting of the asset. This would result in a minor impact and slight rather than moderate adverse effect, due to the small scale of change to the setting of the asset.				setting that contributes to its value.			
LB152	1250605	Hulmers	High	II	None	The closest construction activity would be online construction access route along the existing A127, which would not change the setting this asset.	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral
LB110	1393327	Bata Industrial Buildings Numbers 24 and 34, Victory House and Nelson House	High	II	None	The construction activity would be located in the farmland to the west of the asset, changing the rural aspect of its setting. Construction would not affect the relationship between the asset and the associated settlement of East Tilbury, which is a crucial aspect that informs its value. The construction of the Project would not impact upon the value of these historic industrial building associated with East Tilbury.	Good practice	No change	Neutral	The Project would be distantly visible from the asset, but would not affect the relationship between it and East Tilbury. Some views towards the asset from the west may be interrupted by the main alignment, but would not be completely severed. The operation of the Project would not impact upon the value of these historic industrial building associated with East Tilbury.	None	No change	Neutral
LB157	1263167	Brick House Hotel	High	II	None	The closest construction activity would be online construction access route along the existing A127, which	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						would not change the setting this asset.							
LB160	1297215	Stony Hills Farm	High	II	None	Construction activity would be on and adjacent to the existing M25, and would not alter the asset's relationship with the surrounding farmland.	None	No change	Neutral	No change to current setting	None	No change	Neutral
LB169	1337129	Church of St Katherine	High	I	None	Construction activity would take place in the field opposite the church to establish an NMU route and ecological mitigation areas (LE6.41 Marsh and Wet Grassland - Coastal Grazing Marsh, LE6.2 Banks and Ditches (Polygon) and LE6.12 Water Bodies and Associated Plants - Shallow Scrape). The field in which the ecological mitigation takes place would also be used for light vehicle access to the northern tunnel construction compound. These works would introduce a small degree of visual and aural disturbance to the rural setting of the asset. The minor impact would result in a slight, rather than moderate, effect due to the minor scale of work in close proximity.	Good practice	Minor	Temporary Slight Adverse	The distantly visible earthworks around the North Tunnel Portal would not harm the value of this asset.	None	No change	Neutral
LB181	1375568	Officers' Barracks Tilbury Fort	High	II*	None	The setting of the asset is formed by its location within the	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						fort and this would not be altered by construction activity.							
LB188	1079929	Bullens and Herds (to the north of Home Farm)	High	II	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral
LB203	1111568	Waltons Hall	High	II	None	Minor construction activity for OHL restringing and establishment of associated utilities offline access routes would take place adjacent to the asset. This would not alter its relationship with neighbouring buildings or the surrounding farmland that contribute to its value. The effect is assessed to be slight adverse rather than moderate as the construction activity would not greatly alter the relationship between LB203, LB204, LB212 and LB217 or the surrounding farmland which contribute to their value.	None	Temporary negligible	Temporary Slight adverse	The setting of the asset does not extend to the operational Project.	None	No change	Neutral
LB204	1111569	Sutton's Farmhouse	High	II	None	Minor construction activity for OHL restringing and establishment of associated utilities offline access routes would take place adjacent to the asset. This would not alter its relationship with neighbouring	None	Temporary negligible	Temporary slight adverse	The setting of the asset does not extend to the operational Project.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						buildings or the surrounding farmland that contribute to its value. The effect is assessed to be slight adverse rather than moderate as the construction activity would not greatly alter the relationship between LB203, LB204, LB212 and LB217 or the surrounding farmland which contribute to their value.							
LB205	1111576	Church of St Mary	High	I	None	Sited adjacent to the Order Limits along Brentwood Road, construction activity (utility diversions for multi-utility networks along Brentwood Road) would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery. However, this would not affect its relationship with the settlement of Chadwell St Mary or any of the other principal elements of its setting that contribute to its value.	None	Negligible	Temporary slight adverse	The setting of the asset does not extend to the operational project.	None	No change	Neutral
LB208	1111645	Biggin Farmhouse	High	II	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational Project.	None	No change	Neutral
LB210	1147501	Parkers Farmhouse	High	II	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational Project.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
LB211	1166282	Chadwell House	High	II	None	Sited adjacent to the Order Limits along Brentwood Road, construction activity (utility diversions for multi-utility networks along Brentwood Road) would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery.	None	Negligible	Temporary slight adverse	The setting of the asset does not extend to the operational Project.	None	No change	Neutral
LB212	1307175	Turners Farm	High	II	None	Minor construction activity for OHL restringing and establishment of associated utilities offline access routes would take place adjacent to the asset. This would not alter its relationship with neighbouring buildings or the surrounding farmland that contribute to its value. The effect is assessed to be slight adverse rather than moderate as the construction activity would not greatly alter the relationship between LB203, LB204, LB212 and LB217 or the surrounding farmland which contribute to their value.	None	Negligible	Temporary slight adverse	The setting of the asset does not extend to the operational Project.	None	No change	Neutral
LB213	1337061	Sleepers Farmhouse	High	II	None	Sited adjacent to the Order Limits along Brentwood Road, construction activity (utility diversions for multi-utility networks	None	Negligible	Temporary slight adverse	The setting of the asset does not extend to the operational Project.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						along Brentwood Road) would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery.							
LB216	1337086	Blankets Farmhouse	High	II	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral
LB217	1337098	Weatherboarded Barn at Waltons Hall	High	II	None	Minor construction activity for OHL restringing and establishment of associated utilities offline access routes would take place adjacent to the asset. This would not alter its relationship with neighbouring buildings or the surrounding farmland that contribute to its value. The effect is assessed to be slight adverse rather than moderate as the construction activity would not greatly alter the relationship between LB203, LB204, LB212 and LB217 or the surrounding farmland which contribute to their value.	None	Negligible	Temporary slight adverse	The setting of the asset does not extend to the operational Project.	None	No change	Neutral
LB277	1111612	Former Granary now house north of Coppid Hall	High	II	None	The closest construction activity would be online construction access route along the existing A13 and Medebridge Road, which would not	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						change the setting this asset.							
LB285	1147159	Coppid Hall	High	II	None	The closest construction activity would be online construction access route along the existing A13 and Medebridge Road, which would not change the setting this asset.	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral
LB304	1337079	Europa Hotel	High	II	None	The closest construction activity would be online construction access route along the existing A13 and Medebridge Road, which would not change the setting this asset.	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral
LB32	1111540	Street Farmhouse	High	II	None	Setting is informed by the surrounding modern settlement of South Ockendon and does not extend to the Project.	None	No change	Neutral	Setting is informed by the surrounding modern settlement of South Ockendon and does not extend to the Project.	None	No change	Neutral
LB33	1111541	Church of St James	High	II*	None	Construction activity would cause small temporary changes to the setting of this asset by introducing additional noise, lighting and construction traffic along Coopers Shaw Road and Church Road (which would be used as main work construction secondary access routes) c. 180m to the east of the asset. Utility works would take place across the open land c.180m south of the asset, situated at the bottom of Hall Hill.	Good practice	Minor	Temporary slight adverse	The operational alignment (at Tilbury Viaduct) would be located c. 920m east of the asset. Parts of the operational alignment further to the south-east are likely to be distantly visible from the asset, but this will not harm its value.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						The Northern Tunnel Entrance Compound would be located c. 680m south-east of the asset. These works would not alter its relationship with West Tilbury or impede long-distance views to and from the church across the former Tilbury Marshes. The visual disturbance to the semi-rural setting of the asset would result in a minor impact. The minor impact is assessed to result in a slight adverse effect rather than moderate effect due to the scale and nature of the impacts and the fact that the primary elements of the setting that contribute to the value of the asset will not be harmed.							
LB34	1111544	Garden wall, two gate piers and Gate, and wicket gate attached to Orsett House	High	II	None	The relationship between the asset and the associated Orsett Hall would not be affected by construction activity and this activity would be screened by intervening vegetation.	None	No change	Neutral	The Project would be located beyond the setting of the asset.	None	No change	Neutral
LB35	1111554	Smithy Cottage	High	II	None	Setting is informed by the surrounding modern settlement of Linford and the adjacent roads (Princess Margaret and Muckingford Roads) and does not extend to the Project	None	No change	Neutral	Setting is informed by the surrounding modern settlement of Linford and the adjacent roads (Princess Margaret and Muckingford Roads) and does not extend to the Project	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
LB111	1393328	Bata Industrial Building Number 12	High	II	None	The construction activity would be located in the farmland to the west of the asset, changing the rural aspect of its setting. Construction would not affect the relationship between the asset and the associated settlement of East Tilbury, which is a crucial aspect that informs its value. The construction of the Project would not impact upon the value of these historic industrial building associated with East Tilbury.	Good practice	No change	Neutral	The Project would be distantly visible from the asset, but would not affect the relationship between it and East Tilbury. Some views towards the asset from the west may be interrupted by the main alignment, but would not be completely severed. The operation of the Project would not impact upon the value of these historic industrial building associated with East Tilbury.	None	No change	Neutral
LB115	1079879	Franks Farmhouse	High	II	None	The high value Grade II listed Franks Farmhouse (LB115) is sited approximately c. 55m west of the Order Limits. Construction activity for the A122 northbound link road and enlargement of the M25 would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery. This would result in a temporary impact of minor adverse magnitude and a slight adverse effect, which is assessed as not significant. The effect is	Good practice	Minor	Temporary slight adverse	The asset is located adjacent to the existing route of the M25. The Project would slightly increase the scale of the motorway infrastructure adjacent to this heritage asset, resulting in a minor impact. The effect is assessed as slight rather than moderate due to the low scale of change relative to the existing M25-adjacent setting of the asset.	To limit the land required adjacent to Franks Farmhouse (LB115) and the property of St Mary's Lane, a retaining wall rather than earthworks would be provided. Either soft landscaping would be provided to soften the visual impact of the structures or planted green walls would be provided (Design Principle S14.09).	Minor	Slight adverse

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						assessed is slight rather than moderate due to the scale of change in the context of the setting of the asset, located next to the existing M25.							
LB39	1111570	Thatched barn at Stifford Clays Farmhouse	High	II	None	The closest construction activity would be online construction access route along the existing A13 and Medebridge Road, which would not change the setting this asset.	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral
LB38	1111567	Greygoose Farmhouse	High	II	None	The asset is sited c. 90m to the south of Order Limits, between the A13 and Chadwell St Mary. Construction activity would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery to the north, east and more distantly to the south-east. This would result in a minor impact and a temporary slight adverse effect. The effect is assessed as minor rather than moderate as the rural setting of the asset has already been somewhat eroded by the presence of the A13 and encroachment of the Chadwell St Mary suburbs.	Good practice	Minor	Temporary slight adverse	The asset would experience a change to its setting as a result due to the establishment of the the A13/A1089/A122 junction in farmland c. 440m to the east of the asset.	None	Negligible	Slight adverse

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
LB40	1111574	Heath Cottage	High	II	None	Sited adjacent to the Order Limits construction activity would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery, from the construction of the main alignment, utility works and Hornsby Lane Utility Hub which would be located c. 300 to the east of the asset. The farmland immediately adjacent to the rear and south-east of the asset would not be altered. The effect is assessed as slight rather than moderate as the primary elements of the asset's setting that contribute to its value (its grounds and association with Hornsby Lane) would not be harmed.	Good practice	Minor	Temporary slight adverse	The Project would introduce further modern transport infrastructure into the semi-rural setting of this asset. The effect is assessed as slight rather than moderate as the primary elements of the asset's setting that contribute to its value (its grounds and association with Hornsby Lane) would not be harmed.	Earthworks and reinstatement of agricultural land	Minor	Slight adverse
LB42	1111577	Mill House	High	II	None	The asset is sited immediately to the north of the Order Limits on Muckingford Road. Construction activity including hedgerow removal on the south side of the road, the establishment of an online utilities access route and utility diversion works for multi-utility networks would	None	Minor	Temporary slight adverse	Establishment of an NMU route along the southern side of the Muckingford Road would not harm the value of the asset.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						result in temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery. The effect is assessed as slight rather than moderate as the historically-associated buildings and farmland to the west of the asset would not be harmed, and views southward across the Great Common Field would remain.							
LB44	1111592	Old Hall Farm House	High	II	None	The setting is informed by the surrounding farmland, which would not be affected by construction activity.	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral
LB45	1111608	Slades Hold Cottages	High	II	None	The asset is located within Baker Street, on the southern side of High Road which would be used as to an online construction access route. Utility diversions for multi-utility networks would also take place along High Road. This would introduce additional noise and visible construction activity into the asset's setting.	Good practice	Negligible	Temporary slight adverse	The operational Project would be located beyond the setting of the asset.	None	No change	Neutral
LB47	1111610	Orsett House	High	II*	None	Construction activity would be screened by intervening vegetation and would not affect the relationship between	None	No change	Neutral	The Project would be located beyond the setting of the asset.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						the asset and the grounds in which it is set which form the key aspect of its setting.							
LB41	1111575	Heath Place	High	II	None	The high-value Grade II listed "Heath Place" is located immediately to the south of the Order Limits. Other areas of the Order Limits are also located between 150m to 200m east, west and south of the asset. The Brentwood Road compound would be established c. 160m east of the asset, the Stanford Road Compound c. 290m to the west and Hornsby Lane Utility Hub c. 370m to the south. The main alignment would be constructed c. 200m south of the asset and multi-utility network works would take place immediately to the north of the asset. The visual and aural impact of construction, taking place within the rural setting of the asset that contributes to its value, is assessed to result in a temporary impact of moderate adverse magnitude and a moderate adverse effect, which is assessed as significant. The effect is assessed as moderate rather	Good practice	Moderate	Temporary moderate adverse	The high-value Grade II listed "Heath Place" (LB41) is located immediately to the south of the Order Limits, on the northern slope of an east-west dry valley. Other areas of the Order Limits are also located between 150m to 200m east, west and south of the asset. The operational alignment and associated false cutting earthwork banks would be located c. 200m south of the asset, at the bottom of the valley in which it is located. This would represent a large erosion of the remaining agricultural landscape around the asset, which has already been encroached upon by the A13 c. 550m to the north, the A1089 c. 900m to the west and suburban development on the fringes of Chadwell St Mary c. 600m to the south-east. This would result in the asset becoming largely "islanded" within a small surviving area of agricultural land with the main alignment in relatively close proximity. Overall, the operation of the Project would result in a permanent impact of moderate adverse magnitude and a moderate adverse effect which is significant. The effect is considered to be	Reinstatement of agricultural land used for temporary works	Minor	Slight adverse

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						than large due to the temporary nature of the impact and lack of physical harm to the asset.				slight rather than moderate due to the lack of physical harm to the asset and the fact that some of the rural land around the asset will be preserved, enabling its illustrative historical value as a former farmhouse to be preserved.			
LB48	1111623	Polwicks	High	II	None	Sited adjacent to the Order Limits, construction activity would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery into its setting. Church Road immediately south of the asset would be used as a Mains Work Construction Access Route (secondary access). The Northern Tunnel Entrance Compound would be located c. 155m south-east of the asset and Low Street Lane Utility Hub would be located c. 35m to the north. Construction of the main alignment (Tilbury Viaduct) would take place c. 250m east of the asset. The effect is considered to be moderate rather than large due to the temporary nature of the impact and the fact that the physical fabric of the	Good practice	Moderate	Temporary Moderate Adverse	The main alignment would be located approximately 250m east of the asset and would introduce additional noise and modern infrastructure including the Tilbury Viaduct into its setting. The operational noise change would be between 5db and 10db, a moderate adverse change in noise terms. The eastern side elevation of the building that faces the viaduct is largely windowless and so no principal views would be compromised. Lighting columns would also be present on Church Road from c. 50m east of the asset, changing the character of the semi-rural night-time setting. The curtilage and grounds of the asset would not be physically affected, nor would its relationship with Church Road, the hamlet of Low Street and settlement of West Tilbury, or the surrounding agricultural landscape in general. As a result the impact is assessed as minor and is assessed to result in a slight rather than a moderate adverse effect.	None	Minor	Slight adverse

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						building will not be harmed.							
LB5	1079868	Kilbro	High	II	None	The asset is located on the eastern side of the B186 within North Ockendon Conservation Area (CA4) and immediately east of the Order Limits which include the B186. The B186 would be used as a short-term online main construction access route and utility diversions for multi-utility networks would also take place within the road. This would introduce additional noise and visible construction activity into the asset's setting.	Good practice	Negligible	Temporary slight adverse	The operational Project would not impact upon any elements of the asset's setting that contribute to its value.	None	No change	Neutral
LB50	1111625	West Tilbury Hall	High	II	None	A mains work construction secondary access route would be situated along Coopers Shaw Road and Church Road c. 240m to the east of the asset. Utility works would take place across the open land c. 140m to the south-west of the asset, situated at the bottom of Hall Hill. The Northern Tunnel Entrance Compound would be located c. 750m south-east of the asset. These works would not alter its relationship with West Tilbury and the Church of St James	None	Minor	Temporary Slight Adverse	The operational alignment (at Tilbury Viaduct) would be located c. 990m east of the asset. Parts of the operational alignment further to the south-east could potentially be distantly visible from the asset, but this will not harm its value.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						nor or impede long-distance views across the former Tilbury Marshes. The visual disturbance to the semi-rural setting of the asset would result in a minor impact. This is assessed to be slight adverse rather than moderate as the construction activity would not greatly alter the relationship between LB50 and LB87 (Barn to north of West Tilbury Hall) and associated listed buildings in West Tilbury.							
LB49	1111624	Walnut Tree Cottage	High	II	None	Sited adjacent to the Order Limits, construction activity would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery to the setting. Church Road immediately north of the asset would be used as a Mains Work Construction Access Route (secondary access). The Northern Tunnel Entrance Compound would be located c. 165m south-east of the asset and Low Street Lane Utility Hub would be located c. 120m to the north-east. Utility	Good practice	Moderate	Temporary moderate adverse	The main alignment (Tilbury Viaduct) would be located approximately 375m east of the asset and would introduce additional noise and modern infrastructure into its setting. The noise change would be between 3db and 5db (a minor adverse change in noise terms). Lighting columns would be present on Church Road from 150m east of the asset. The curtilage and grounds of the asset would not be affected, nor would its relationship with Church Road, the hamlet of Low Street and settlement of West Tilbury, or the surrounding agricultural landscape in general. As a result the minor impact would result in a slight rather than a moderate adverse effect.	None	Minor	Slight adverse

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						works for multi-utility networks would take place c. 120m to the south-west and c. 135m south-east of the asset. Construction of the main alignment (Tilbury Viaduct) would take place c. 375m east of the asset. The effect is considered to be moderate rather than large due to the temporary nature of the impact and the fact that the physical fabric of the building will not be harmed.							
LB51	1111627	Kemps	High	II	None	Located in a rural area but close to the M25, the value of the asset would not be impacted upon by the construction of the Project.	None required	No change	Neutral	Located in a rural area but close to the M25, the asset would experience a minor beneficial change to its setting as a result of decreased traffic noise (between 3db and 5db reduction) resulting from the operation of Project.	None	Minor Beneficial	Slight Beneficial
LB52	1111630	Thatched barn at Whitfields	High	II	None	The high value Grade II listed "Whitfields" (LB60) and Grade II listed "Thatched Barn at Whitfields" (LB52) are sited at Baker Street to the north of Stifford Clays Road. The Stifford Clays Road Compound East would be located c. 170m and c. 110m west of the assets respectively. Construction of the main alignment would take place c. 260m and 210m west of the assets, with construction of the Stifford Clays	Good practice	Moderate	Temporary moderate adverse	The high value Grade II listed "Whitfields" (LB60) and Grade II listed "Thatched Barn at Whitfields" (LB52) are sited at Baker Street to the north of Stifford Clays Road. The operational alignment would be located c. 260m and c. 210m west of the assets respectively. While this would be visible to the north-west of the assets, their relationship with the agricultural land to the north would remain, as would their key relationships with one another and the other buildings forming the courtyard farmstead, and	None	Minor	Slight adverse

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						Road overbridge taking place in slightly closer proximity. Fen Lane to the east of the assets would be used as an online utilities access route and Stifford Clays Road to the south would be used a short-term online main works construction access route. The combination of these construction activities would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery.				with the settlement of Baker Street. The effect is assessed as slight rather than moderate due to the preservation of these key relationships.			
LB54	1111633	Kings Head Public House	High	II	None	None	None	No change	Neutral	The Project would be located beyond the setting of the asset.	None	No change	Neutral
LB55	1111634	The Bakery	High	II	None	The utility working areas would be located c. 645m east of the asset and the operational alignment (including the Tilbury Viaduct) would be constructed c. 985m east of the asset. While these activities may be distantly visible, they would not harm the aspects of the asset's setting that contribute to its value, such as the associated hamlet of West Tilbury and the surrounding agricultural land.	None	No change	Neutral	The operational alignment including the Tilbury Viaduct may be distantly visible c. 985m east of the asset, but this would not harm its value.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
LB53	1111631	The Wilderness	High	II	None	The Wilderness is sited adjacent to the Order Limits on the eastern side of Fen Lane within the settlement of Baker Street. Groundworks would take place along Fen Lane for multi-utility network diversions. The Stifford Clays Road Compound East would be located c. 215m north-west of the asset and the main alignment would be constructed c. 300m west of the asset. Construction of the main Project would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery. The effect is assessed as slight rather than moderate due to the temporary nature of the impact and the fact that the bulk of construction activity will take place at a remove from the asset.	Good practice	Minor	Temporary slight adverse	The asset is located within Baker Street and this aspect of its setting and its spatial relationship with other nearby historic buildings would not be harmed. While parts of the main alignment could be distantly visible across farmland to the north-west, this is not assessed to impact upon the value of the asset.	None	No change	Neutral
LB56	1111642	Mill House	High	II	None	The high value Grade II listed "Mill House" (LB56) is sited in Baker Street immediately to the south of Stifford Clays Road and the Order Limits. As such, construction activity would cause temporary changes, due to the	Good practice	Minor	Temporary slight adverse	The high-value Grade II listed "Mill House" (LB56) is located in Baker Street immediately to the south of Stifford Clays Road and the Order Limits. The operational alignment and associated earthworks would be located c. 170m to the south-west of the asset, although views in this direction are	None	Negligible	Slight adverse

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						A13/A1089/A122 Lower Thames Crossing junction construction and utility diversions for multi-utility networks, to the setting of this asset by introducing additional noise, lighting and visible construction machinery				somewhat restricted by vegetation in the grounds of the asset and it does not have a strong connection with the agricultural land within the Order Limits. Therefore, there would be a limited aural intrusion, although the noise levels around the asset would not be affected.			
LB58	1111644	Thatched Cottage	High	II	Would be demolished during construction to enable construction of the A13/A1089/Lower Thames Crossing junction and associated link roads.	N/A as asset would be completely removed during construction	Building recording (REAC Ref. CH001)	Major	Large adverse	N/A as asset would be completely removed during construction	N/A as asset would be completely removed during construction	N/A as asset would be completely removed during construction	N/A as asset would be completely removed during construction
LB59	1111649	Loft Hall	High	II	None	The setting is informed by the surrounding farmland, which would not be affected by construction activity.	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral
LB6	1079869	Russell Cottage	High	II	None	The asset is located on the eastern side of the B186 within North Ockendon Conservation Area (CA4) and immediately east of the Order Limits which include the B186. The B186 would be used as a short-term online main construction access route and utility diversions for multi-utility networks would also take place within the road. This would	Good practice	Negligible	Temporary slight adverse	The operational Project would not impact upon any elements of the asset's setting that contribute to its value.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						introduce additional noise and visible construction activity into the asset's setting.							
LB60	1146709	Whitfields	High	II	None	The high value Grade II listed "Whitfields" (LB60) and Grade II listed "Thatched Barn at Whitfields" (LB52) are sited at Baker Street to the north of Stifford Clays Road. The Stifford Clays Road Compound East would be located c. 170m and c. 110m west of the assets respectively. Construction of the main alignment would take place c. 260m and 210m west of the assets, with construction of the Stifford Clays Road overbridge taking place in slightly closer proximity. Fen Lane to the east of the assets would be used as an online utilities access route and Stifford Clays Road to the south would be used a short-term online main works construction access route. The combination of these construction activities would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible	Good practice	Moderate	Temporary moderate adverse	The high value Grade II listed "Whitfields" (LB60) and Grade II listed "Thatched Barn at Whitfields" (LB52) are sited at Baker Street to the north of Stifford Clays Road. The operational alignment would be located c. 260m and c. 210m west of the assets respectively. While this would be visible to the north-west of the assets, their relationship with the agricultural land to the north would remain, as would their key relationships with one another and the other buildings forming the courtyard farmstead, and with the settlement of Baker Street. The effect is assessed as slight rather than moderate due to the preservation of these key relationships.	None	Minor	Slight adverse

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						construction machinery.							
LB61	1146717	Poplars Farmhouse	High	II	None	The asset is sited to the south of Green Lane. The Order Limits is located directly adjacent to the asset along Green Lane and also in open land c. 50m to the south. Utility diversion works for multi-utility networks would take place along Green Lane and further utility diversions for gas networks would take place in the land to the south. This construction activity would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery. This would affect its relationship with the arable fields that inform its setting. The effect is assessed as slight rather than moderate as the majority of the surrounding farmland and the asset's associations with the adjacent farm buildings would not be impacted upon.	Good practice	Minor	Temporary slight adverse	The Project would be located beyond the setting of the asset.	None	No change	Neutral
LB62	1146758	Granary to north east of Manor Farmhouse	High	II	None	The utility working areas would be located c. 560m east of the asset and the operational alignment (including	None	No change	Neutral	The operational alignment including the Tilbury Viaduct would be distantly visible c. 870m east of the asset, but this would not harm its value.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						the Tilbury Viaduct) would be constructed c. 870m east of the asset. While these activities would be distantly visible, they would not harm the aspects of the asset's setting that contribute to its value, such as the hamlet of West Tilbury, Manor Farmhouse and the surrounding agricultural land.							
LB64	1147431	Former Gateway at Groves Barns	High	II	None	Multi-utility network diversions immediately to the north of the asset and construction main alignment approximately 190m to the south would not harm the value of this gateway.	Good practice	No change	Neutral	The setting of the asset does not extend to the operational Project.	None	No change	Neutral
LB66	1147796	Buckland	High	II	None	Sited adjacent to the Order Limits, construction activity would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery in northern tunnel entrance compound, Station Road compound and for construction of the main alignment including the Tilbury Viaduct and the large junction to the south. Utility works for multi-utility networks would also take place in close	Good practice	Moderate	Temporary moderate adverse	The setting of the asset to the south-west and west would be greatly altered from an open landscape to road infrastructure including a viaduct and junction. This includes the principal view south-west across the Tilbury Marshes (although this has been previously eroded by vegetation within the grounds and industrial/waste activity on the former marshes). The noise levels would also be greater than 10db, a major adverse change in noise terms. This would result in a minor impact to the value of this asset which is assessed to result in a slight rather than moderate adverse impact,	None	Minor	Slight adverse

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						proximity. Overall, this will result in a moderate impact. The effect is considered to be moderate rather than large due to the temporary nature of the impact and the lack of physical harm to the asset or its associated grounds.				given the minor contribution that the agricultural land makes to its overall value.			
LB67	1147812	Little Wellhouse	High	II	None	The asset is sited immediately adjacent to the Order Limits, between the A13 and Chadwell St Mary., Construction activity would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery to the east and west. This would result in a minor impact and a temporary slight adverse effect. The effect is assessed as minor rather than moderate as the rural setting of the asset has already been somewhat eroded by the presence of the A13 and encroachment of the Chadwell St Mary suburbs.	Good practice	Minor	Temporary slight adverse	The asset would experience a change to its setting as a result due to the establishment of the A13/A1089/A122 junction in farmland c. 440m to the east of the asset.	None	Negligible	Slight adverse
LB69	1183610	Church of St Mary Magdalene	High	I	None	The asset is located within North Ockendon Conservation Area (CA4) immediately east of the Order	Good practice	Minor	Temporary moderate adverse	The operational alignment and associated earthworks would be located c. 320m to the west of the asset. While road infrastructure in the	None	Minor	Slight adverse

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						Limits and c. 350m east of the M25. Construction activity for the A122 Lower Thames Crossing/M25 junction, including the construction of the M25 Compound c. 270m to the south and utility working areas immediately to the west would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery. The effect is assessed as moderate rather than slight due to the extensive nature of the construction activity.				form of the M25 is already located within the setting of the asset, this would be brought closer which would impact upon the rural landscape that makes a minor contribution to the aesthetic value of the asset. The Project would not harm the Conservation Area setting of the asset or alter its relationship with the other buildings in the village. For these reasons, the effect is assessed as slight rather than moderate.			
LB76	1224103	Building 13, Bata Factory	High	II	None	The construction of the Project would not impact upon elements of the setting of the asset that contribute to its value.	None required	No change	Neutral	The Project could be distantly visible from the asset, but this would not impact upon elements of the setting of the asset that contribute to its value.	None required	No change	Neutral
LB7	1079870	The Forge	High	II	None	The asset is located on the western side of the B186 within North Ockendon Conservation Area (CA4) and immediately east of the Order Limits which include the B186. The B186 would be used as a short-term online main construction access route and utility diversions for multi-utility networks	Good practice	Negligible	Temporary slight adverse	The operational Project would not impact upon any elements of the asset's setting that contribute to its value.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						would also take place within the road. This would introduce additional noise and visible construction activity into the asset's setting.							
LB70	1224054	2, Bata Avenue	High	II	None	The construction of the Project would not impact upon elements of the setting of the asset that contribute to its value.	None required	No change	Neutral	The operation of the Project would not impact upon elements of the setting of the asset that contribute to its value.	None required	No change	Neutral
LB71	1224055	4 And 6, Bata Avenue	High	II	None	The construction of the Project would not impact upon elements of the setting of the asset that contribute to its value.	None required	No change	Neutral	The operation of the Project would not impact upon elements of the setting of the asset that contribute to its value.	None required	No change	Neutral
LB72	1224058	12 And 14, Bata Avenue	High	II	None	The construction of the Project would not impact upon elements of the setting of the asset that contribute to its value.	None required	No change	Neutral	The operation of the Project would not impact upon elements of the setting of the asset that contribute to its value.	None required	No change	Neutral
LB73	1224059	24 And 26, Bata Avenue	High	II	None	The construction of the Project would not impact upon elements of the setting of the asset that contribute to its value.	None required	No change	Neutral	The operation of the Project would not impact upon elements of the setting of the asset that contribute to its value.	None required	No change	Neutral
LB74	1224061	32 And 34, Bata Avenue	High	II	None	The construction of the Project would not impact upon elements of the setting of the asset that contribute to its value.	None required	No change	Neutral	The operation of the Project would not impact upon elements of the setting of the asset that contribute to its value.	None required	No change	Neutral
LB75	1224101	28 And 30, Bata Avenue	High	II	None	The construction activity would be located in the farmland to the west of the asset and would not affect the relationship between	Good practice	Negligible	Temporary slight adverse	The Project would not affect the relationship between the asset and East Tilbury which is a crucial aspect of its setting.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						the asset and the associated settlement of East Tilbury, which is a crucial aspect of its setting.							
LB86	1308865	Kemps Cottage	High	II	None	Located in a rural area but close to the M25, the value of the asset would not be impacted upon by the construction of the Project.	None required	No change	Neutral	Located in a rural area but close to the M25, the asset would experience a minor beneficial change to its setting as a result of decreased traffic noise (between 3db and 5db reduction) resulting from the operation of Project. The effect is assessed as slight rather than moderate as tranquility makes only a slight contribution to the overall value of the asset.	None	Minor Beneficial	Slight Beneficial
LB77	1252711	Farmyard wall to former North Ockendon Hall	High	II	None	The asset is located within the settlement of North Ockendon and its relationship with the village and the site of the former hall would not be altered.	None	No change	Neutral	The asset is located within the settlement of North Ockendon and its relationship with the village and the site of the former hall would not be altered.	None	No change	Neutral
LB8	1079871	Castle Cottages	High	II	None	The asset is located on the western side of the B186 within North Ockendon Conservation Area (CA4) and immediately east of the Order Limits which include the B186. The B186 would be used as a short-term online main construction access route and utility diversions for multi-utility networks would also take place within the road. This would introduce additional noise and visible construction activity	Good practice	Negligible	Temporary slight adverse	The operational Project would not impact upon any elements of the asset's setting that contribute to its value.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						into the asset's setting.							
LB80	1266987	8 And 10, Bata Avenue	High	II	None	The construction of the Project would not impact upon elements of the setting of the asset that contribute to its value.	None required	No change	Neutral	The operation of the Project would not impact upon elements of the setting of the asset that contribute to its value.	None required	No change	Neutral
LB81	1266988	16 And 18, Bata Avenue	High	II	None	The construction of the Project would not impact upon elements of the setting of the asset that contribute to its value.	None required	No change	Neutral	The operation of the Project would not impact upon elements of the setting of the asset that contribute to its value.	None required	No change	Neutral
LB82	1300500	Garden walls of the former North Ockendon Hall	High	II	None	The asset is located within the settlement of North Ockendon and its relationship with the village and the site of the former hall would not be altered.	None	No change	Neutral	The asset is located within the settlement of North Ockendon and its relationship with the village and the site of the former hall would not be altered.	None	No change	Neutral
LB83	1308454	Post House	High	II	None	No change	None	No change	Neutral	The Project would be located beyond the setting of the asset.	None	No change	Neutral
LB85	1308840	Well House	High	II	None	The utility working areas would be located c. 610m east of the asset and the operational alignment (including the Tilbury Viaduct) would be constructed c. 960m east of the asset. While these activities may be distantly visible, they would not harm the aspects of the asset's setting that contribute to its value, such as the associated hamlet of West Tilbury and the surrounding agricultural land.	None	No change	Neutral	The operational alignment including the Tilbury Viaduct may be distantly visible c. 985m east of the asset, but this would not harm its value.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
LB90	1337058	Marshall's Cottages	High	II*	None	Construction activity would take place within the Great Common Field c. 400m north and north-west of the asset for multi-utility network works and subsequently for the establishment of an NMU route. This would introduce visible construction activity within part of the historic rural setting of the asset that contributes to its value.	Good practice	Minor	Temporary slight adverse	The operational alignment would be largely screened from the asset by intervening buildings and trees and is not located on land that makes a contribution to the value of the asset. However, an NMU route would be present along the northern edge of the Great Common Field which represents a very slight erosion of its historic character.	None	Negligible	Slight adverse
LB87	1308889	Barn to north of West Tilbury Hall	High	II	None	A mains work construction secondary access routes would be situated along Coopers Shaw Road and Church Road c. 240m to the east of the asset. Utility works would take place across the open land c. 150m to the south-west of the asset, situated at the bottom of Hall Hill. The Northern Tunnel Entrance Compound would be located c. 760m south-east of the asset. These works would not alter its relationship with West Tilbury and the Church of St James nor or impede long-distance views across the former Tilbury Marshes. The visual disturbance to the semi-rural setting of the asset would	None	Minor	Temporary slight adverse	The operational alignment (at Tilbury Viaduct) would be located c. 990m east of the asset. Parts of the operational alignment further to the south-east could potentially to be distantly visible from the asset, but this will not harm its value.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						result in a minor impact. The effect assessed to be slight adverse rather than moderate as the construction activity would not alter the relationship between LB87 and LB50 (West Tilbury Hall) and associated listed buildings in West Tilbury.							
LB88	1308981	Weatherboarded Barn at Bareham's Boarding Kennels	High	II	None	The closest construction activity would be access along the existing track to ecological mitigation areas located to the east, which would not alter the asset's setting. The main alignment would be located outside the setting of the asset.	None	No change	Neutral	The main alignment would be located outside the setting of the asset.	None	No change	Neutral
LB89	1337056	1 And 2 Grays Corner Cottages	High	I	Would be demolished during construction to enable construction of the A13/A1089/Lower Thames Crossing junction and associated link roads.	N/A as the asset would be completely removed during construction	Building recording (REAC Ref. CH001)	Major	Large adverse	N/A as the asset would be completely removed during construction	N/A as the asset would be completely removed during construction	N/A as the asset would be completely removed during construction	N/A as the asset would be completely removed during construction
LB9	1079872	Garden walls entrance gate and brick piers to former Stubbers House	High	II	None	The setting does not extend to the construction activity.	None	No change	Neutral	The main alignment would be located outside the setting of the asset.	None	No change	Neutral
LB94	1337091	High House	High	II	None	Sited c. 275m west of the Order Limits and a utilities online access route,	None	Negligible	Temporary slight adverse	The high-value Grade II listed "High House" (LB94) would be located c. 750m south-west of the	LE2.2 Scrub Woodland Planting	Minor	Slight adverse

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						construction activity would cause small temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery to the rural setting of the asset, although largely not in close proximity.				operational alignment. Given the distance and the relatively flat topography around the asset, the visual intrusion to its setting would not be great. However, the noise levels at the asset would increase by more than 10db, a major adverse impact in noise terms. However, in heritage terms the elements of the assets setting which make the greatest contributions to its value will not be harmed and it should be noted that a quarry is located immediately to the south-east of the asset. The operation of the Project would result in a permanent impact of minor adverse magnitude and a slight adverse effect which is not significant. The effect is assessed as slight rather than moderate due to the limited scale of the impact and the majority of the element's of the asset's setting that contribute to its value would be preserved.			
LB91	1337081	Stifford Clays Farmhouse	High	II	None	The closest construction activity would be online construction access route along the existing A13 and Medebridge Road, which would not change the setting of this asset.	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral
LB92	1337089	Manor Farmhouse	High	II	None	The utility working areas would be located c. 580m east of the asset and the operational alignment (including	None	No change	Neutral	The operational alignment including the Tilbury Viaduct would be distantly visible c. 880m east of the asset, but this would not harm its value.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						the Tilbury Viaduct) would be constructed c. 890m east of the asset. While these activities would be distantly visible, they would not harm the aspects of the asset's setting that contribute to its value, such as the associated barn and the surrounding agricultural land.							
LB93	1337090	The Cottages	High	II	None	None	None	No change	Neutral	The Project would be located beyond the setting of the asset.	None	No change	Neutral
LB65	1147701	Moat bridge and gatehouse at South Ockendon Hall (part of SM2)	High	II	See SM2	See SM2	See SM2	See SM2	See SM2	See SM2	See SM2	See SM2	See SM2
LB95	1337095	Royal Oak Inn	High	II	None	Setting is informed by the surrounding modern settlement of South Ockendon and does not extend to the Project.	None	No change	Neutral	Setting is informed by the surrounding modern settlement of South Ockendon and does not extend to the Project.	None	No change	Neutral
LB96	1337096	Murrells Cottages	High	II	Would be demolished during construction to enable construction of the A13/A1089/Lower Thames Crossing junction and associated link roads.	N/A as the asset would be completely removed during construction	Building recording (REAC Ref. CH001)	Major	Large adverse	N/A as the asset would be completely removed during construction	N/A as the asset would be completely removed during construction	N/A as the asset would be completely removed during construction	N/A as the asset would be completely removed during construction
LB98	1337127	1 and 2 Malting Cottages	High	II	None	The setting is informed by the surrounding farmland, which would not be	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral

Project ID	Source reference	Name	Value	Grade	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
						affected by construction activity.							
LB333	1197232	Blue House Farmhouse	High	II	None	Setting is informed by the surrounding rural land (now used as a golf course) and location on Magpie Lane. This setting does not extend to the Project.	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral
LB334	1197204	Boyles Court Cottages	High	II	None	Setting is informed by its proximity to the other Boyles Court Cottage (LB336), location on Dark Lane and immediate rural land. This setting does not extend to the Project.	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral
LB335	1208263	Pump Farmhouse	High	II	None	Setting is informed by the surrounding rural land, principally formed of Holden's Wood. This setting does not extend to the Project.	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral
LB336	1280225	Boyles Court Cottages	High	II	None	Setting is informed by its proximity to the other Boyles Court Cottage (LB334), location on Dark Lane and immediate rural land. This setting does not extend to the Project.	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral
LB337	1293155	Apple Tree Cottage	High	II	None	Setting is informed by its location within a secluded plot of land, sat back from Warley Road.	None	No change	Neutral	The setting does not extend to the Project.	None	No change	Neutral
LB151	1208575	The Squirrels	High	II	None	None	None	No change	Neutral	Planting of trees and establishment of glades within the former parkland areas (currently in agricultural use) would not impact upon the value of the asset	None	No change	Neutral

Table 1.5 Non-designated built heritage assessment table: North of the River Thames

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
2	MEX1010726	Boundary stone	Low	None	Construction activity would not impact upon the elements of the setting of the asset that contribute to its value.	None	No change	Neutral	The Project would not impact upon the elements of the setting of the asset that contribute to its value.	None	No change	Neutral
57	MEX1035334	Linford Pumping Station	Low	None	The asset is located within the Order Limits to enable a utility connection to the pumping station. This would introduce additional temporary noise and construction activity but would not alter the purpose of the asset or its relationship with the adjacent settlement.	Good practice	Minor	Slight adverse	The Project would be located beyond the setting of the asset.	None	No change	Neutral
59	MEX1035591	Old Methodist Chapel	Negligible	None	Construction activity at the northern tunnel construction compound may be distantly visible, but this would not impact upon the elements of the setting of the asset that contribute to its value.	None	No change	Neutral	The Project would not impact upon the elements of the setting of the asset that contribute to its value.	None	No change	Neutral
89	MEX1037623	Coalhouse Wharf and Coastguard Station	Medium	None	Construction activity would not alter the relationship between the asset and the river or Coalhouse Fort and would therefore not affect its setting.	None	No change	Neutral	The Project would be located beyond the setting of the asset.	None	No change	Neutral
90	MEX1037624	Sea-wall, Coalhouse Arable	Medium	A very small section of the asset may be physically impacted upon by Flood Alleviation Measures: Proposed Coalhouse Point Wetland Flow Control	Construction activity would not alter the relationship between the asset and the River Thames and Tilbury Marshes and would therefore not affect its setting.	Archaeological Excavation and Recording	Negligible	Neutral	The Project would not affect the relationship between the asset, the River Thames and the area of the Tilbury Marshes in close proximity although it would reduce the area of the Tilbury Marshes further afield with the introduction of the main alignment and associated earthworks to the south of the portal. Ecological mitigation	Reinstatement of some historic field boundaries within the setting of the asset (LE6.2 Banks and Ditches).	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
									immediately to the north of the asset (LE6.41 Marsh and Wet Grassland - Coastal Grazing Marsh and LE6.12 Water Bodies and Associated Plants - Shallow Scrape) would not impact upon its value and would include measures to reinstate elements of historic field boundary drainage ditches which would have a beneficial impact. Overall, these negative and positive impacts would balance one another, resulting in a neutral effect.			
116	MEX1040595	Orsett Post Mill Roundhouse	Medium	None	Construction of utility diversions to the west and south would introduce additional noise, lighting and visible construction activity and machinery to the setting of this asset.	Good practice	Minor	Slight adverse	The Project would be located beyond the setting of the asset.	None	No change	Neutral
314	MEX31812	Pillbox, S of Tilbury Power Station	Medium	None	Construction activity would not alter the relationship between the asset and the river or associated assets and would therefore not affect its setting.	None	No change	Neutral	The Project would not harm any elements of the asset which contribute to its setting and would not obscure potential sightlines with associated defence features in the wider area.	None	No change	Neutral
321	MEX31820	Pillbox, Thames Foreshore, East Tilbury Marshes	Low	None	Construction activity would not alter the relationship between the asset and the river or other Second World War defence assets.	None	No change	Neutral	While elements of the Project would be distantly visible (foreshore outfall to the south-west, new contoured landscape to the west) this would	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
									not harm the asset's relationship with the River Thames or other Second World War defence assets. The Order Limits in immediate proximity to the asset would be changed large prairie fields to LE6.41 Marsh and Wet Grassland - Coastal Grazing Marsh and LE6.12 Water Bodies and Associated Plants - Shallow Scrape. This ecological mitigation would include LE6.2 Banks and Ditches which would restore part of the former reclaimed marshland field system which was present when the asset was built. This would have a beneficial impact which would balance out any adverse impact from the visibility of the new contoured landscape further west.			
535	060460/00/00	Church Lane, North Ockendon, School House	Low	None	Construction of utility diversions to the west and south would introduce additional noise, lighting and visible construction activity and machinery to the setting of this asset but would not affect its relationship with the other buildings in North Ockendon	Good practice	Minor	Slight adverse	The Project would be located beyond the setting of the asset.	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
575	211323/02/00	Church Lane, North Ockendon, Outbuilding	Low	None	Construction activity would not affect the relationship between the asset and the associated buildings in North Ockendon that inform its setting.	None	No change	Neutral	The Project would be located beyond the setting of the asset.	None	No change	Neutral
577		St Marys Lane, Upminster, Barn	Low	None	Sited adjacent to the Order Limits. Construction activity for the A122 northbound link road would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery to its setting, but would not impact its relationship with Franks Farmhouse and the other associated buildings.	Good practice	Minor	Slight adverse	The asset is located adjacent to the existing route of the M25. The Project would increase the scale of the road infrastructure adjacent to this heritage asset, increasing the amount of intrusive modern elements in its setting that prevent an understanding of its original rural locations.	Soft landscaping or planted green walls	Minor	Slight adverse
581	MLO100557	North Ockendon [Second World War heavy anti-aircraft battery]	Negligible	None	The setting does not extend to the construction activity.	None	No change	Neutral	The Project would be located beyond the setting of the asset.	None	No change	Neutral
622	MLO84865	Large Barn to north east of Franks Farmhouse	Medium	None	Sited adjacent to the Order Limits. Construction activity for the A122 northbound link road would cause temporary changes to the setting of this asset by introducing additional noise, lighting and visible construction machinery to its setting, but would not impact its relationship with Franks Farmhouse and the other associated buildings.	Good practice	Minor	Slight adverse	The asset is located adjacent to the existing route of the M25. The Project would increase the scale of the road infrastructure adjacent to this heritage asset, increasing the amount of intrusive modern elements in its setting that prevent an understanding of its original rural locations.	Soft landscaping or planted green walls	Minor	Slight adverse
692	502074	Tilbury Town Station	Low	None	The closest construction works would be located within the existing road or comprise use of St Andrews Road as an online	None	No change	Neutral	The Project would not be located within the setting of the asset.	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
					construction access route. The construction activity would not alter the relationship between the station, railway and town.							
693	502269	East Tilbury Station	Low	None	The use of St Andrew's Road as a long-term online main construction access route would not impact upon the value of the railway station, which is located within an urban setting surrounded by infrastructure with an industrial site immediately to the south (Tilbury Docks)	None	No change	Neutral	The Project would be located beyond the setting of the asset.	None	No change	Neutral
737	1368964	London Tilbury and Southend Railway	Low	None	The asset would cross the Order Limits and construction activity would take place in close proximity to construct the viaduct over the railway. This would not affect the relationship between the railway and the towns on the line but would introduce temporary noise, lighting and construction activity into its setting.	None	Minor	Slight adverse	The Project would be located within the setting of the asset but would not affect its operation or relationship with the towns on the line.	None	Negligible	Neutral
738	1368966	Barking and Pitsea Railway	Low	None	The asset would cross the Order Limits and construction activity would take place in close proximity. This would not affect the relationship between the railway and the towns on the line but would introduce temporary noise, lighting and construction activity into its setting.	None	Negligible	Slight adverse	The Project would be located within the setting of the asset but would not affect its operation or relationship with the towns on the line.	None	Negligible	Neutral
739	1368976	Upminster and Grays Branch Railway	Low	None	The asset would cross the Order Limits and construction activity would take place in close proximity. This would not affect the relationship between the railway and the towns on the line but would introduce temporary noise, lighting and construction activity into its setting.	None	Minor	Slight adverse	The Project would be located within the setting of the asset but would not affect its operation or relationship with the towns on the line.	None	Negligible	Neutral
1830	LTC identified	Bowaters Farm surviving as barns with	Low	None	The northern tunnel entrance compound would be located c. 50m to the south-west of the asset and would	Good practice	Moderate	Temporary slight adverse	The Project would bisect the formerly open landscape to the south-west of	None	Minor	Slight adverse

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
		courtyard arrangement			introduce additional noise, lighting and construction activity into the setting.				the asset, in an area that makes a minor contribution to its value. The operational noise would change by 5db - 10db (a moderate adverse change in noise terms). This is considered to result in an overall minor magnitude of impact to the value of the asset. The effect would be slight rather than neutral due to the scale of the change to the setting.			
4145	1368345	Great Eastern Railway	Low	None	The asset would cross the Order Limits but construction activity would be located on the existing M25 and therefore cause no change to setting.	None	No change	Neutral	There would be no change to the setting of the asset.	None	No change	Neutral
4153	EGL479314	Estate House, Ockendon Road, Upminster, RM14 3QR	Low	The asset would be demolished to enable construction of the A122 Lower Thames Crossing/M25 junction. Following the mitigation through building recording (REAC Ref. CH001; AMS-OWSI No. 2) the total removal of this asset would result in a permanent impact of major adverse magnitude, and a moderate adverse effect, which is assessed as significant. The effect is	N/A due to physical removal during construction	Historic Building Recording (REAC Ref. CH001; AMS-OWSI No. 2)	Major	Permanent moderate adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
				assessed as moderate rather than slight, as recording of the building is not assessed to reduce the impact below moderate.								
4154	NGL81767	1 Bridge Cottages, Ockendon Road, Upminster, RM14 3QP	Low	The asset would be demolished to enable construction of the A122 Lower Thames Crossing/M25 junction. Following the mitigation through building recording (REAC Ref. CH001; AMS-OWSI No. 2) the total removal of this asset would result in a permanent impact of major adverse magnitude, and a moderate adverse effect, which is assessed as significant. The effect is assessed as moderate rather than slight, as recording of the building is not assessed to reduce the impact below moderate.	N/A due to physical removal during construction	Historic Building Recording (REAC Ref. CH001; AMS-OWSI No. 2)	Major	Permanent moderate adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction
4155	EGL341509	2 Bridge Cottages, Ockendon Road, Upminster, RM14 3QP	Low	The asset would be demolished to enable construction of the A122 Lower Thames Crossing/M25 junction. Following the mitigation through building recording (REAC Ref. CH001;	N/A due to physical removal during construction	Historic Building Recording (REAC Ref. CH001; AMS-OWSI No. 2)	Major	Permanent moderate adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
				AMS-OWSI No. 2) the total removal of this asset would result in a permanent impact of major adverse magnitude, and a moderate adverse effect, which is assessed as significant. The effect is assessed as moderate rather than slight, as recording of the building is not assessed to reduce the impact below moderate.								
4156	EX41084	3 Bridge Cottages, Ockendon Road, Upminster, RM14 3QP	Low	The asset would be demolished to enable construction of the A122 Lower Thames Crossing/M25 junction. Following the mitigation through building recording (REAC Ref. CH001; AMS-OWSI No. 2) the total removal of this asset would result in a permanent impact of major adverse magnitude, and a moderate adverse effect, which is assessed as significant. The effect is assessed as moderate rather than slight, as recording of the building is not assessed to reduce the impact below moderate.	N/A due to physical removal during construction	Historic Building Recording (REAC Ref. CH001; AMS-OWSI No. 2)	Major	Permanent moderate adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4157	EX72932	4 Bridge Cottages, Ockendon Road, Upminster, RM14 3QP	Low	The asset would be demolished to enable construction of the A122 Lower Thames Crossing/M25 junction. Following the mitigation through building recording (REAC Ref. CH001; AMS-OWSI No. 2) the total removal of this asset would result in a permanent impact of major adverse magnitude, and a moderate adverse effect, which is assessed as significant. The effect is assessed as moderate rather than slight, as recording of the building is not assessed to reduce the impact below moderate.	N/A due to physical removal during construction	Historic Building Recording (REAC Ref. CH001; AMS-OWSI No. 2)	Major	Permanent moderate adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction
4158	NGL155428	Bankes House, Ockendon Road, Upminster, RM14 3QJ	Low	None	Construction activity for utility diversions and the Ockendon Road overbridge would introduce additional noise, lighting and visible construction machinery into the setting of this asset.	Good practice	Minor	Slight adverse	There would be little change to the asset's setting during operation as the existing M25 would screen the new infrastructure.	None	No change	Neutral
4159	EX209093	1 and 2 Whitfield Cottages, Stifford Clays Road, Grays, RM16 3NB	Low	Asset would be demolished to enable construction of the A122 and the Stifford Clays Road overbridge	N/A	Building recording	Major	Moderate adverse	None	None	No change	Neutral
4163	EX61765	Brook Farm, Linford, Orsett, Grays, RM16 3DT	Low	On the basis of the noise assessment this asset qualifies for noise insulation, which would cause a	Construction activity for the main alignment would be located adjacent to and surrounding the asset, which would sever it from the rural landscape in which it is	Building recording	Moderate	Slight adverse	The main alignment would be located adjacent to the asset, which would sever it from the rural landscape	None	Moderate	Slight adverse

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
				physical impact to the building. On the basis of current information the windows and doors and modern and therefore their replacement would not impact the value of the asset.	currently located and which makes a contribution to its value.				in which it is currently located and which makes a contribution to its value.			
4164	XX188	Hobletts Farm, Green Lane, Orsett, Grays, RM16 3An	Low	None	Construction activity would be located adjacent to the asset and would introduce additional noise, lighting and visible construction machinery into the currently peaceful rural setting.	Good practice	Minor	Slight adverse	The main alignment would be located approximately 400m west of the asset, which would introduce modern infrastructure into the currently peaceful rural setting.	None	Minor	Slight adverse
4165	EX15025	Manor Farm, including buildings adjoining farmhouse, Ockendon Road, Upminster, RM14 2TZ	Low	None	Construction activity would be located adjacent to the asset and would introduce additional noise, lighting and visible construction machinery into the currently peaceful rural setting.	Good practice	Minor	Slight adverse	The main alignment would be separated from the asset by the existing railway but would introduce additional modern infrastructure into the setting of the asset.	None	Negligible	Slight adverse
4590	MEX1049438	Manor House Farm, Bulphan	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4613	MEX1032847	Poorhouse, Headley Common, Great Warley	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4775	LTC identified from multiple data sources	Larwood Cottages	Low	The asset would be demolished to enable construction of the A122 Lower Thames Crossing/M25 junction. Following the mitigation through building recording (REAC Ref. CH001; AMS-OWSI No. 2) the total removal of	N/A due to physical removal during construction	Historic Building Recording (REAC Ref. CH001; AMS-OWSI No. 2)	Major	Permanent moderate adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
				this asset would result in a permanent impact of major adverse magnitude, and a moderate adverse effect, which is assessed as significant. The effect is assessed as moderate rather than slight, as recording of the building is not assessed to reduce the impact below moderate.								
4776	LTC identified from multiple data sources	The Rosery	Low	The asset would be demolished to enable construction of the A122 Lower Thames Crossing/M25 junction. Following the mitigation through building recording (REAC Ref. CH001; AMS-OWSI No. 2) the total removal of this asset would result in a permanent impact of major adverse magnitude, and a moderate adverse effect, which is assessed as significant. The effect is assessed as moderate rather than slight, as recording of the building is not assessed to reduce the impact below moderate.	N/A due to physical removal during construction	Historic Building Recording (REAC Ref. CH001; AMS-OWSI No. 2)	Major	Permanent moderate adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction

Table 1.6 Non-designated Archaeology within the Order Limits assessment table: North of the River Thames

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
3	MEX1031017	Kemps Farm	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
5	MEX1031025	Finds	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
6	MEX1031027	WWI landing ground at Orsett	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
7	MEX1031028	Orsett Causewayed Enclosure	High	Brentwood Road compound, utility diversions and main alignment construction would affect the south and north edges of this asset. The causewayed enclosure specifically described in this entry would not be physically impacted, and associated features to the north would also be unaffected. Overall, a small proportion of the overall area would experience a physical impact.	Aural and visual impact of construction activity from compounds and utilities in close proximity to the asset, would introduce intrusive features into views from the asset to the south and impact the relationship with associated features.	Tallest features within Brentwood Road compound to be located in southern part of compound.	Minor	Permanent moderate adverse	Aural and visual impact of the completed Project, specifically in views south but would not obstruct views.	The Project would be located within a false cutting to reduce visibility.	Minor	Slight adverse	N	N	N
9	MEX1031059	Bomb Crater at Tooks Farm	Negligible	NDEP area with planting will potentially impact the asset	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
16	MEX1032121	West Tilbury Commons	Negligible	None	Utility works would cause small change to the setting but would not affect significance	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
21	MEX1032235	Mucking Creek Valley	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
		(flint artefact findspot)													
25	MEX1032284	Oak Lodge, Station Road, East Tilbury	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
26	MEX1032293	South Stifford	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
29	MEX1032737	Grove Barns, South Ockendon	Medium	The asset is partially located within the Order Limits. As the exact focus of the Medieval activity within the asset is uncertain (although likely to the south of Grove Barns), the impacts have been assessed on a worst-case basis. Approximately the southern third of the asset would be removed, which would potentially remove the core of the Medieval archaeological remains. This physical impact would result from utility working areas for multi-utility networks and associated vegetation removal, the mains works area and the construction of the main alignment.	Construction works taking place within and adjacent to the asset	Archaeological excavation and recording	Moderate	Permanent moderate adverse	The Project would not sever the key spatial and historic relationship between the asset at Groves Farm, and to a lesser extent, Groves Cottages. However, the operation of the main alignment in formerly open land and its aural and visual impacts would impact upon the value of the asset.	Use of a retaining wall to the main alignment to reduce land-take within the asset and visual intrusion. LE2.2 Woodland Edge planting within the asset to replace the vegetation removed during construction.	Minor	Slight Adverse	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
34	MEX1032745	Stanford Le Hope STW Water Pipeline	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
38	MEX1032841	Possible Domesday settlement at Great Warley	Medium	None	None, would not affect relationship between associated features.	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
43	MEX1032967	Tilbury Power Station	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
47	MEX1033058	Low Street Brick Works	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
48	MEX1033073	The Brick Yard at Stifford Clays	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
51	MEX1034076	Heath Place	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
55	MEX1034116	Tilbury Riverside - Earthworks linear features	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
56	MEX1035105	Proposed widening of the M25 an Archaeological Assessment	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
61	MEX1036400	South Ockendon Clay Quarry	Negligible	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
64	MEX1036415	HCF: Horndon - Tilbury (Coalhouse Fort) Gas Pipeline.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
66	MEX1036418	HCF: Horndon - Tilbury (Coalhouse Fort) Gas Pipeline.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
67	MEX1036420	HCF: Horndon - Tilbury (Coalhouse Fort) Gas Pipeline.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
68	MEX1036421	HCF: Horndon - Tilbury (Coalhouse Fort) Gas Pipeline.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
76	MEX1036570	Fieldwalking along the Epping-Horndon Gas Pipeline	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
91	MEX1037625	Relict sea-wall, East Tilbury saltings	Medium	Creation of the ecological mitigation area may impact some parts of these remains.	This activity would cause a change to the current tranquil rural setting.	Archaeological excavation and recording	Minor adverse	Permanent slight adverse	None	None	No change	Neutral	N/A	N/A	N/A
95	MEX1038266	Torells School, Buxton Road, Grays	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
97	MEX1038468	Signpost at Baker Street, Orsett	Low	On edge of utility diversion works area. The utility diversion works may physically impact this asset, depending on the precise nature of the works.	Utility works would cause small change to the setting but would not affect significance.	Asset to be fenced to prevent accidental impact, or if this not possible to be removed during construction and replaced in same location or as close as possible on	Negligible	Permanent slight adverse	None	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
						completion of works.									
104	MEX1039326, LTC ATT WSI M	Land at East Tilbury and Linford Area of Prehistoric ritual landscape and Roman field boundaries	Medium	Some of the recorded features have been removed but there is potential for associated remains that could be impacted by construction of the main alignment, Muckingford Road Utility Hub, utility groundworks (multi-utility and electrical), Northern tunnel entrance compound and flood alleviation works.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	Archaeological excavation and recording	Permanent moderate adverse	Permanent moderate adverse	The operational alignment would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Moderate	Moderate adverse	N/A	N/A	N/A
105	MEX1039383	Cold War Nuclear Monitoring Post, Orsett	Negligible	Recorded features have been removed and cannot experience a physical impact.	Utility works would cause small change to the setting but would not affect significance.	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
107	MEX1039719	Geophysical Survey Report - Land at East Tilbury, Essex	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
109	MEX1040048	Green Lane	Low	The eastern part of the asset would be impacted by utility diversion works, but these would not remove all elements of the asset in this location.	This activity would cause a change to the current tranquil rural setting.	Archaeological excavation and recording	Permanent minor adverse	Permanent slight adverse	None	None	No change	Neutral	N	Y	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
113	MEX1040428	Tilbury Wildlife Pond Site, Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
117	MEX1040708 / LTC Trial trenching WSI F	Middle Bronze Age to Middle Iron Age settlement and sporadic Roman activity	Medium	Construction of the main alignment and gas utility diversion works would remove approximately 3/4 of this asset.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Permanent moderate adverse	Permanent moderate adverse	Asset will have been mostly removed during construction. The setting of the remaining features will be affected by the loss of associated archaeology due to construction, causing a negligible change to its value.	None	Negligible	Slight Adverse	N	N	N
118	MEX1040709	Mar Dyke	Low	Small area of impact caused by access route.	This activity would cause a change to the current tranquil rural setting.	Archaeological excavation and recording	Minor	Slight adverse	None	None	No change	Neutral	N	N	N
130	MEX1041240	Military Camp (destroyed), S of Stanford Road, Orsett	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
135	MEX1041248	D-Day Assembly Area, Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral			
144	MEX1042101	Mucking Marsh	Medium	Creation of the ecological mitigation area may impact some parts of these remains.	This activity would cause a change to the current tranquil rural setting.	Archaeological excavation and recording	Minor	Temporary Slight adverse	None	None	No change	Neutral	N	N	Y
145	MEX1042105	West Tilbury Marshes	Medium	Asset only partially within Application Site with construction access for northern tunnel	Some increase in traffic but has little impact on significance as does not affect	None	Negligible	Neutral	None	None	No change	Neutral	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				entrance compound located on the northern edge and mostly on existing roads/tracks.	existing relationships.										
156	MEX1044101	A Portable Antiquities Scheme findspot of Medieval date.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
159	MEX1049022	A Portable Antiquities Scheme findspot of unknown date.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
160	MEX1049080	Land adjacent to Walton Hall Farm, Linford, Stanford Le Hope	Medium	Recorded features have been removed but there is potential for associated remains in close proximity but construction works would not impact this asset.	Utility works would cause small change to the setting but would not affect significance.	None	No change	Neutral	None	None	No change	Neutral	N	Y	N
161	MEX1049097	Barvilles Solar Farm, East Tilbury, Thurrock	Low	Creation of the ecological mitigation area may impact some parts of these remains.	This activity would cause a change to the current tranquil rural setting.	Archaeological excavation and recording	Minor	Slight adverse	None	None	No change	Neutral	N	N	Y
164	MEX1049361	M25 - Tank 1740 and Strip Widening - M25015.10	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N	N	N
165	MEX1049362	M25 - Warley Road to Berdenis Lane Strip Widening - M25014.10	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
166	MEX1049363	M25 - Folkes Lane Strip Widening	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
167	MEX1049364	M25 - Codham Hall Bund, Tank 1762 and Strip Widening - M25018.10	Medium	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
168	MEX1049365	M25 - Hobbs Hole evaluation and excavation - M25001.08/09	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
169	MEX1049366	M25 - Upminster Bund	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
170	MEX1049367	M25 - Pond 1776 - M25021.11	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
171	MEX1049368	M25 - Pond 1787 and Strip Widening - M25020.11	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
172	MEX1049369	M25 - Pond 1791 and Strip Widening	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A

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173	MEX1049370	M25 - Ockendon Cutting Palaeolithic watching brief - M25026.11	Negligible	Potential for archaeological remains in this location that would be totally removed by construction of the main alignment.	None	Archaeological excavation and recording	Minor	Slight adverse	None	None	No change	Neutral	y	N	N
174	MEX1049371	M25 - Pond 1812 and Strip Widening - M25024.11	Negligible	None - assets have been previously removed by archaeological excavation.	None	None	No change	Neutral	None	None	No change	Neutral	N	N	N
184	MEX17597 / LTC Trial trenching WSI F	Circular enclosure of probable prehistoric date	Low	Within the working area for the main alignment, causing a physical impact to the southern part of the asset. The effect is assessed as slight rather than neutral as the southern part of the asset would be removed.	Aural and visual impact of construction works within and immediately adjacent.	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Permanent Minor Adverse	Permanent Slight Adverse	The operational alignment would be clearly audible and would divide the formerly open landscape of the dry valley to the south of the asset.	None	Minor	Slight adverse	N	N	N
186	MEX17605	South of Hall Farm	Low	M25 compound would impact the majority of these remains.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Permanent Moderate Adverse	Permanent Slight adverse	The operational alignment would cause a small change in the setting through the addition of further road infrastructure adjacent to the existing railway and M25.	None	Negligible	Neutral	N	N	N
187	MEX17609	North of South Ockendon	Low	Within the working area for the main	Aural and visual impact of construction	Archaeological Excavation and Recording	Permanent Minor Adverse	Permanent Slight adverse	The operational alignment would be in a	None	Minor	Slight adverse	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				alignment, causing a physical impact to the northern part of the asset.	works within and immediately adjacent.	(REAC Ref. CH001; AMS-OWSI No. 4)			cutting so would not be visible from all of the asset but would be clearly audible.						
188	MEX17611	South of Kemps Farm	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N	N	N
189	MEX17631	West of Redcrofts Farm	Low	Partially within the working area for the main alignment and M25 compound, causing a physical impact to a small part of the asset.	Aural and visual impact of construction works immediately adjacent.	Archaeological excavation and recording	Minor	Slight adverse	The operational alignment would be in a cutting so would not be visible from all of the asset but would be clearly audible.	None	Minor	Slight adverse	N	N	N
190	MEX17638	Near Dennises Cottages, Thurrock	Low	None. Pottery find spot. Asset has been removed.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
191	MEX17639, LTC ATT trenches 185, 186, 187, 190, 193, 196	Medieval-Post-Medieval features excavated near Dennises Farm (including Medieval ditches and Early Medieval to Medieval pits containing slag from LTC ATT)	Low	The originally recorded features have been removed during previously and cannot experience a physical impact. Newly identified features from LTC ATT are now located outside the Order Limits and will not be physically impacted upon during construction.	None	None	No change	Neutral	None	None	No change	Neutral	N	N	N
192	MEX17640	Medieval-Post-Medieval features excavated	Low	Recorded features have been removed and cannot	None	None	No change	Neutral	None	None	No change	Neutral	N	N	N

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		near Dennises Farm		experience a physical impact.											
194	MEX17660	Orsett-Baker Street	Medium	Recorded features have been removed but there is potential for associated remains in close proximity to be removed by construction of the main alignment.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	Archaeological excavation and recording	Minor	Temporary Slight adverse	The operational alignment would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Minor	Slight adverse	Y	N	N
195	MEX17665	Orsett-Baker Street	Low	Recorded features have been removed but there is potential for associated remains in close proximity that would be removed by construction of the main alignment.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	Archaeological excavation and recording	Minor	Slight adverse	The operational alignment would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Minor	Slight adverse	Y	N	N
196	MEX17666	Orsett-Baker Street	Low	Recorded features have been removed but there is potential for associated remains in close proximity that would be removed by construction of the main alignment.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	Archaeological excavation and recording	Minor	Slight adverse	The operational alignment would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Minor	Slight adverse	Y	N	N
197	MEX17667	Orsett-Baker Street	Low	Recorded features have been removed but there is potential for	Construction activity would impede the understanding of the	Archaeological excavation and recording	Minor	Slight adverse	The operational alignment would impede the understanding	None	Minor	Slight adverse	Y	N	N

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				associated remains in close proximity that would be removed by construction of the main alignment.	relationship between this asset and contemporary features nearby.				of the relationship between this asset and contemporary features nearby.						
203	MEX17737	Mucking-Linford-Holford Wood Road-Rainbow Shaw Pits	Low	Recorded features have been removed and cannot experience a physical impact.	The activity occurring within the setting is utility diversion works and these would not affect the relationship between this asset and associated ones that adds to its significance.	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
204	MEX17743	Mucking-Linford-Holford Wood Road-Rainbow Shaw Pits	Low	Recorded features have been removed and cannot experience a physical impact.	The activity occurring within the setting is utility diversion works and these would not affect the relationship between this asset and associated ones that adds to its significance.	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
205	MEX17744	Mucking-Linford-Holford Wood Road-Rainbow Shaw Pits	Medium	Recorded features have been removed and cannot experience a physical impact.	The activity occurring within the setting is utility diversion works and these would not affect the relationship between this asset and associated ones that adds to its significance.	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
206	MEX17747	Mucking-Linford-Holford Wood Road-Rainbow Shaw Pits	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
207	MEX17761	Orsett-Causewayed Enclosure	Medium	Brentwood Road compound, utility diversions and main alignment construction would affect the south and north edges of this asset. The occupation area specifically described in this entry would not be physically impacted. Overall, a small proportion of the overall area would experience a physical impact.	Aural and visual impact of construction activity from compounds and utilities in close proximity to the asset, would introduce intrusive features into views from the asset to the south and impact the relationship with associated features.	Tallest features within Brentwood Road compound to be located in southern part of compound.	Minor	Temporary Slight adverse	Aural and visual impact of the completed Project, specifically in views south but would not obstruct views.	The Project would be located within a false cutting to reduce visibility.	Minor	Slight adverse	N	N	N
210	MEX17776	Orsett-Causewayed Enclosure	High	Brentwood Road compound, utility diversions and main alignment construction would affect the south and north edges of this asset. The burials specifically described in this entry would not be impacted. Overall, a small proportion of the overall area would experience a physical impact.	Aural and visual impact of construction activity from compounds and utilities in close proximity to the asset, would introduce intrusive features into views from the asset to the south and impact the relationship with associated features.	Tallest features within Brentwood Road compound to be located in southern part of compound.	Minor	Moderate adverse	Aural and visual impact of the completed Project, specifically in views south but would not obstruct views.	The Project would be located within a false cutting to reduce visibility.	Minor	Slight adverse	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
211	MEX17779	Orsett-Causewayed Enclosure	Low	Brentwood Road compound, utility diversions and main alignment construction would affect the south and north edges of this asset. Overall, a small proportion of the overall area would experience a physical impact.	Aural and visual impact of construction activity from compounds and utilities in close proximity to the asset, would introduce intrusive features into the setting and impact the relationship with associated features.	None	Minor	Slight adverse	Aural and visual impact of the completed Project, specifically introduce intrusive features into the setting and impact the relationship with associated features.	The Project would be located within a false cutting to reduce visibility.	Minor	Neutral	N	N	N
212	MEX17782; Lower Thames Crossing 2019 Archaeological evaluation of Land Parcel 3	Orsett-Causewayed Enclosure (features in the vicinity of) including (2570)	Low	Brentwood Road compound, utility diversions and main alignment construction would affect the south and north edges of this asset. Overall, a small proportion of the overall area would experience a physical impact.	Aural and visual impact of construction activity from compounds and utilities in close proximity to the asset, would introduce intrusive features into the setting and impact the relationship with associated features.	None	Minor	Slight adverse	Aural and visual impact of the completed Project, specifically introduce intrusive features into the setting and impact the relationship with associated features.	The Project would be located within a false cutting to reduce visibility.	Minor	Neutral	N	N	N
213	MEX17783; Lower Thames Crossing 2019 Archaeological evaluation of Land Parcel 4	Orsett-Causewayed Enclosure (features in the vicinity of) including (3574)	Medium	Brentwood Road compound, utility diversions and main alignment construction would affect the south and north edges of this asset. Overall, a small proportion of the overall area would experience a physical impact.	Aural and visual impact of construction activity from compounds and utilities in close proximity to the asset, would introduce intrusive features into the setting and impact the relationship with	Archaeological excavation and recording	Minor	Slight adverse	Aural and visual impact of the completed Project, specifically introduce intrusive features into the setting and impact the relationship with associated features.	The Project would be located within a false cutting to reduce visibility.	Minor	Slight adverse	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
					associated features.										
219	MEX17873	Nevilles Farm	Medium	Within the working area for the main alignment, therefore this asset would be totally removed.	None	Archaeological excavation and recording	Moderate	Moderate adverse	None	None	No change	Neutral	Y	N	N
228	MEX17957	Orsett-Heath Place Farm	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
229	MEX17965	Fen Lane, North-west of Orsett. Possible medieval moat	Low	Recorded features have been removed and cannot experience a physical impact. However, it is possible that some surviving remains are still present which could be harmed by groundworks for multi-utility networks diversions.	None	Archaeological Excavation and Recording	Permanent minor	Permanent slight adverse	None	None	No change	Neutral	N	Y	N
231	MEX17990, LTC ATT WSI M trenches 36, 51, 52, 57, 59, 60, 61, 62, 63, 71, 72, 73, 74, 78 79, 81, 92, 93, 94, 95, 96, 99	A series of heavily truncated ditches and small number of pits and postholes probably representing Prehistoric field systems and settlement-periphery activity, West of Nevilles Farm	Low	The asset would be completely removed as a result of utility working areas for multi-utility networks, establishment of Long Lane Compound A, and construction of the main alignment and eathworks.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
232	MEX17998	Holme Farm, Bulphan Fen	Medium	Only western edge of recorded features within Application Site, unlikely any there will be any physical impact.	Construction phase works along the Mar Dyke for ecological mitigation would cause a small change but would not affect significance. Main alignment works would be located south and west.	None	Negligible	Slight adverse	Operational alignment would cause a change to setting, primarily through increase in noise but would not greatly alter relationships with contemporary sites in the area.	None	Negligible	Slight adverse	N	N	Y
235	MEX18008	Orsett-Barrington's Farm-Orsett Cock Beaker Burial	Low	Recorded features have been removed and cannot experience a physical impact.	Utility diversion works would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Negligible	Slight adverse	None, following completion of the utility diversion works the construction phase impact through change to setting would be reversed.	None	No change	Neutral	N/A	Y	N
236	MEX18016	Orsett-Barrington's Farm-Orsett Cock, trial trenching of fire station	Low	Recorded features have been removed but there is potential for associated remains in close proximity that could be impacted by utility diversion works.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	Archaeological excavation and recording	Minor	Slight adverse	None, following completion of the utility diversion works the construction phase impact through change to setting would be reversed.	None	No change	Neutral	N/A	Y	N
237	MEX18019	Orsett-Orsett Cock	Low	Recorded features have been removed and cannot experience a physical impact.	Utility diversion works would impede the understanding of the relationship between this asset and	None	Negligible	Slight adverse	None, following completion of the utility diversion works the construction phase impact through change to setting would be reversed.	None	No change	Neutral	N/A	Y	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
					contemporary features nearby.										
238	MEX18022	Orsett-Orsett Cock	Low	Recorded features have been removed and cannot experience a physical impact.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Negligible	Slight adverse	None, following completion of the utility diversion works the construction phase impact through change to setting would be reversed.	None	No change	Neutral	N/A	Y	N
239	MEX18023	Orsett-Orsett Cock	Medium	Recorded features have been removed but there is potential for associated remains in close proximity that could be impacted by utility diversion works.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	Archaeological excavation and recording	Minor	Temporary Slight adverse	None, following completion of the utility diversion works the construction phase impact through change to setting would be reversed.	None	No change	Neutral	N/A	Y	N
240	MEX18026	Orsett-Orsett Cock	Medium	Recorded features have been removed but there is potential for associated remains in close proximity that could be impacted by utility diversion works.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	Archaeological excavation and recording	Minor	Temporary Slight adverse	None, following completion of the utility diversion works the construction phase impact through change to setting would be reversed.	None	No change	Neutral	N/A	Y	N
241	MEX18029	Orsett-Orsett Cock	Low	Recorded features have been removed and cannot experience a physical impact.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Minor	Slight adverse	None, following completion of the utility diversion works the construction phase impact through change to setting would be reversed.	None	No change	Neutral	N/A	Y	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
242	MEX18030	Orsett-Orsett Cock	Low	Recorded features have been removed and cannot experience a physical impact.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Minor	Slight adverse	None, following completion of the utility diversion works the construction phase impact through change to setting would be reversed.	None	No change	Neutral	N/A	Y	N
243	MEX18031	Mucking Heath	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
245	MEX18051; Lower Thames Crossing 2019 Archaeological evaluation of Land Parcel 3	Neolithic, Bronze Age, Iron Age, Roman features near Heath Place	Medium	Within the working area for the main alignment and utility diversions, causing a physical impact to some of the asset.	Aural and visual impact of construction works within and immediately adjacent.	Archaeological excavation and recording	Minor adverse	Slight adverse	The operational alignment would be in a false cutting so would not be visible from all of the asset but would be clearly audible.	None	Minor	Slight adverse	N	N	N
246	MEX18071	North East edge of Grays including	Low	Potential for archaeological remains in this location that would be impacted by utility diversion works.	Aural and visual impact of construction activity from compounds and utilities in close proximity to the asset, would introduce intrusive features into the setting and impact the relationship with associated features.	Archaeological excavation and recording	Minor	Slight adverse	Aural and visual impact of the completed Project would introduce intrusive features into the setting and impact the relationship with associated features.	None	Minor	Neutral	N	Y	N
247	MEX18075, LTC ATT WSI L trenches 71, 72, 73, 74, 76, 77, 78, 79, 80, 81, 94, 95, 96, 97, 98, 100, 101, 102, 103,	Multi-period settlement, industrial and funerary activity at Orsett-Grey Goose Farm	High	A large proportion of the asset (and the directly associated SM1) would be removed by utility working areas and diversion	Construction works taking place within and in the vicinity of the asset.	Archaeological excavation and recording	Major	Permanent large adverse	Aural and visual impact of the completed Project, would introduce intrusive features into the setting and	None	Moderate	Moderate adverse	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
	104, 105, 109, 110, 111, 117, 118, 119, 120, 124, 125			works for multi-utility networks and electricity networks, establishment of Stifford Clays Road Compound West, Stifford Clays Road Compound East and Long Lane Compound A, the main works area and the main alignment and earthworks. Outlying parts of asset 247 to the south-west and north-west would remain in situ. The effect is assessed as large rather than very large, as the asset would not be completely removed.					impact the relationship with associated features. The effect is assessed to be moderate rather than large as the association with SM1 would remain.						
249	MEX18105	Orsett-Grey Goose Farm	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
250	MEX18106	Orsett-Grey Goose Farm	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
251	MEX18107	Orsett-Grey Goose Farm	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
252	MEX18108	Orsett-Grey Goose Farm	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
257	MEX18122	North of Heath Place. Trenching provided a Bronze Age to Roman date.	Low	Utility and Rectory Road diversions would affect any surviving archaeological features.	Aural and visual impact of construction activity from compounds and utilities in close proximity to the asset, would introduce	Archaeological excavation and recording	Minor	Slight adverse	Aural and visual impact of the completed Project would introduce intrusive features into the setting and impact the	The Project would be located within a false cutting to reduce visibility.	Minor	Neutral	N	Y	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
					intrusive features into the setting and impact the relationship with associated features.				relationship with associated features.						
258	MEX18126 / LTC ATT WSI G trenches 220, 221, 224	Orsett - Ditches of probable Iron Age or Roman Date	Low	Small area of impact caused by utility diversion works.	Small change from existing setting, but does not impact relationships with associated features.	None	Negligible	Neutral	None	None	No change	Neutral	N	Y	N
259	MEX18140	West of Brook Farm	Low	Western part of asset impacted by realignment of Brentwood Road.	Small change from existing setting, but does not impact relationships with associated features.	None	Negligible	Slight adverse	Aural and visual impact of the completed Project but would only have small impact on relationships with associated features	None	Negligible	Slight adverse	N	N	N
260	MEX18153	Near South Ockendon Hall	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
262	MEX18160; Lower Thames Crossing 2019 Archaeological evaluation of Land Parcel 1	Ditches and pits of uncertain date	Low	The asset would be completely removed by the working area for the main alignment.	N/A due to physical removal during construction.	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
263	MEX18163	Orsett Farm	Low	Creation of the ecological mitigation area may impact the southern area of these remains.	None	None	Minor	Slight adverse	None	None	No change	Neutral	N	N	Y
267	MEX18195	Cropmarks of a moat	Low	Within the working area for the main alignment, causing a	Aural and visual impact of construction activity from compounds and	Archaeological excavation and recording	Moderate	Slight adverse	The asset would have been completely removed during	None	No change	Neutral	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				physical impact to the asset.	utilities in close proximity to the asset, would introduce intrusive features into the setting and impact the relationship with associated features.				construction and could not experience an impact during operation.						
270	MEX18216	Boyn Hill terrace - Orsett	Medium	Recorded features have been removed and cannot experience a physical impact.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Minor	Temporary Slight adverse	None, following completion of the utility diversion works the construction phase impact through change to setting would be reversed.	None	No change	Neutral	N/A	Y	N
272	MEX22270	Orsett Cock	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
273	MEX22271	Orsett Cock	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
274	MEX22272	Orsett Cock	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
283	MEX28716	Field West of St Catherine's Church, Thurrock	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
284	MEX28719	Field West of St Catherine's Church, Thurrock	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
287	MEX28727	St Catherine's Church Cemetery, East Tilbury - a small searchlight/ gun battery	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
288	MEX28728	Alan Williams Turret, Love Lane/Princess Margaret Road, East Tilbury	Medium	The northern edge of the asset is within the utility diversion works area, but it is unclear whether any remains survive in this location.	Utility works would cause small change to the setting but would not affect significance.	Archaeological/historic building recording of surviving remains, if physical impact to occur.	Minor	Temporary Slight adverse	None	None	No change	Neutral	N	Y	N
289	MEX28729	East Tilbury - Field West of Coalhouse Fort	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
290	MEX28730	Church Green, East Tilbury	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
291	MEX28731	St Catherine's Church Boundary (N, E, S), East Tilbury	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
306	MEX31801	Spigot Mortar Site (destroyed), N of Chadwell St. Mary	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
307	MEX31802	Spigot Mortar Site (destroyed), N of Chadwell St. Mary	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
312	MEX31810	Spigot Mortar Base, Top of Gun Hill, West Tilbury	Low	The utility diversion works may physically impact this asset, depending on the precise nature of the works.	Utility works would cause small change to the setting but would not affect significance.	Archaeological/historic building recording of surviving remains, if physical impact to occur.	Moderate	Slight adverse	None	None	No change	Neutral	Y	Y	N
313	MEX31811	Road Barrier (destroyed), Muckingford Road. West Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A

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318	MEX31816	Spigot Mortar Site x 2 (destroyed), Muckingford Road	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
319	MEX31818	Spigot Mortar Site (destroyed), Muckingford Road	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
324	MEX34893	Site of former buildings near Tilbury junctions	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
325	MEX37972	N of Rose Cottage, Chadwell St Mary, possible mortuary enclosure	High	The asset would be completely removed by the working area for the main alignment.	N/A due to physical removal during construction. Would be removed from the setting of SM6.	Archaeological excavation and recording	Major	Permanent Large adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
328	MEX38151	Mucking: Palaeolithic findspots with unclear location	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
330	MEX38156	Mucking: Neolithic	Medium	Recorded features have been removed but there is potential for associated remains in close proximity but construction works would not impact this asset.	Utility works would cause small change to the setting but would not affect significance.	None	No change	Neutral	None	None	No change	Neutral	N/A	Y	N
331	MEX38158	Mucking: Beaker period	Low	Recorded features have been removed and cannot experience a physical impact.	The activity occurring within the setting is utility diversion works and these would be small-	None	No change	Neutral	None	None	No change	Neutral	N/A	Y	N

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					scale and would not cause a change to the setting.										
332	MEX38160	Mucking: Early to Middle Bronze Age	Medium	Recorded features have been removed and cannot experience a physical impact.	The activity occurring within the setting is utility diversion works and these would be small-scale and would not cause a change to the setting.	None	No change	Neutral	None	None	No change	Neutral	N/A	Y	N
333	MEX38162	Mucking: Late Bronze Age	High	Recorded features have been removed and cannot experience a physical impact.	The activity occurring within the setting is utility diversion works and these would be small-scale and would not cause a change to the setting.	None	No change	Neutral	None	None	No change	Neutral	N/A	Y	N
334	MEX38163	Mucking: Iron Age	Medium	Recorded features have been removed and cannot experience a physical impact.	The activity occurring within the setting is utility diversion works and these would be small-scale and would not cause a change to the setting.	None	No change	Neutral	None	None	No change	Neutral	N/A	Y	N
335	MEX38165	Mucking: Roman	Medium	Recorded features have been removed and cannot experience a physical impact.	The activity occurring within the setting is utility diversion works and these would be small-scale and would not cause a change to the setting.	None	No change	Neutral	None	None	No change	Neutral	N/A	Y	N

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336	MEX38166	Mucking: Early to Middle Saxon	Medium	Recorded features have been removed and cannot experience a physical impact.	The activity occurring within the setting is utility diversion works and these would be small-scale and would not cause a change to the setting.	None	No change	Neutral	None	None	No change	Neutral	N/A	Y	N
337	MEX38170	Mucking: Middle to Late Saxon	Medium	Recorded features have been removed and cannot experience a physical impact.	The activity occurring within the setting is utility diversion works and these would be small-scale and would not cause a change to the setting.	None	No change	Neutral	None	None	No change	Neutral	N/A	Y	N
338	MEX38171	Mucking: Medieval	Medium	Recorded features have been removed and cannot experience a physical impact.	The activity occurring within the setting is utility diversion works and these would be small-scale and would not cause a change to the setting.	None	No change	Neutral	None	None	No change	Neutral	N/A	Y	N
339	MEX38172	Mucking: Post-Medieval	Medium	Recorded features have been removed and cannot experience a physical impact.	The activity occurring within the setting is utility diversion works and these would be small-scale and would not cause a change to the setting.	None	No change	Neutral	None	None	No change	Neutral	N/A	Y	N
342	MEX39649 / LTC interpretation of multiple data sources	Ringditch and undated ditches and pits	Medium	The asset would be completely removed by the utility working area and multi-	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

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				utility network diversions, and construction of the main alignment.											
344	MEX39661	Cropmarks N of High House	Low	A very small proportion of the asset is located within the utility working area for multi-utility network diversions. The effect is assessed as neutral rather than slight due to the small area of the asset that will be physically impacted.	None	Archaeological excavation and recording	Negligible	Neutral	Associated archaeological remains within the Order Limits would no longer be present as these would have been removed during construction. The effect is assessed as slight rather than neutral as it is assessed that the valley setting of the asset and associated archaeological remains make a minor contribution to its value.	None	Minor	Slight adverse	N	Y	N
346	MEX39665	Oyster beds c. 1km E of Tilbury Power Station	Low	This asset would be impacted by northern tunnel entrance compound. Low potential for buried remains as asset has been impacted by landfill.	None	None	Negligible	Slight adverse	None	None	No change	Neutral	Y	N	N
348	MEX39672	Anti-Glider Ditches SE of Bowaters Farm	Low	The eastern part of this asset would be impacted by creation of an ecological mitigation area.	Increase in industrial activity within the setting, causing small impact to significance.	None	Minor	Slight adverse	None	None	No change	Neutral	N	N	Y

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				Low potential for buried remains as asset has been backfilled and in some areas, impacted by landfill.											
349	MEX39674	Anti-glider ditches SE of Bowaters Farm	Low	The eastern part of this asset would be impacted by northern tunnel entrance compound and Station Road compound and utility diversion works. Low potential for buried remains as asset has been backfilled and in some areas, impacted by landfill.	Increase in industrial activity within the setting, causing small impact to significance.	None	Minor	Slight adverse	Operational alignment would cause a change to setting, primarily through increase in noise but would not greatly alter relationships with contemporary sites in the area.	None	Negligible	Slight adverse	N	N	N
350	MEX39676	Anti-glider ditches N of Orchard House	Low	Creation of the ecological mitigation area may impact the southern area of these remains. Low potential for buried remains as asset has been backfilled.	This activity would cause a change to the current tranquil rural setting.	None	Minor	Slight adverse	None	None	No change	Neutral	N	N	Y
352	MEX39804	Cropmark S of Fen Covert	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
355	MEX39812	Cropmarks SE of Poplars Farm	Low	Within the working area for utility diversions, causing a physical impact to a small area of the northern part of the asset.	Aural and visual impact of utility construction works within and immediately adjacent.	Archaeological excavation and recording	Minor	Slight adverse	The utilities would be buried and would not create any visual intrusion during operation. The operational	Landscape earthworks and planting would reduce visibility.	Minor	Slight adverse	N	Y	N

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									A122 would not be clearly visible but is likely to be audible.						
356	MEX39815	Cropmarks W of Field House Farm, Middle Bronze Age to Middle Iron Age occupation	Medium	The area of archaeological remains confirmed by trial trenching would be removed by construction of the main alignment, although unrecorded remains extending outside the Order Limits may survive.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	Archaeological excavation and recording.	Moderate	Permanent moderate adverse	The operational alignment would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Minor	Slight adverse	N	N	N
357	MEX39818	Cropmarks W of Nevilles Farm	Low	The asset is located within the mains works area and as a result would be completely removed.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
358	MEX39821	Cropmarks S of Orsett Primary School	Low	Asset partially within Application Site. Cropmarks of field boundaries would be impacted by utility diversion and main alignment works.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	Archaeological excavation and recording	Minor	Slight adverse	None, following completion of the utility diversion works the construction phase impact through change to setting would be reversed.	None	No change	Neutral	N	N	N
360	MEX39827	Cropmarks SE of Grey Goose Farm	Low	Potential for archaeological remains in this location that would be impacted by utility diversion works	Aural and visual impact of construction activity from compounds and utilities in close proximity to the asset, would	Archaeological excavation and recording	Minor	Slight adverse	Aural and visual impact of the completed Project would introduce intrusive features into the setting and	None	Minor	Neutral	N	N	N

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				and construction compounds.	introduce intrusive features into the setting and impact the relationship with associated features.				impact the relationship with associated features.						
361	MEX39853	Dispersed undated pits and ditches	Low	The asset would be completely removed during the construction of the main alignment.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N	N	N
365	MEX40514	Linford - Cremation Cemetery (H-CHF93)	Medium	Some of the recorded features have been archaeologically excavated but there is potential for associated remains in that could be impacted by multi-utility network groundworks, which would impact on the western and northern sides of the asset.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	Archaeological excavation and recording	Permanent minor	Permanent slight adverse	None	None	No change	Neutral	N	Y	N
366	MEX41042	Codham Hall Wood, Codham Hall Estate, Great Warley	Medium	Recorded features outside Order Limits	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
375	MEX43024	Horndon to Barking Gas Pipeline - Site 1	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A

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379	MEX43037	Horndon to Barking Gas Pipeline - Site 4	Medium	Recorded features have been removed but there is potential for associated remains in close proximity, however only a small area is within the Order Limits.	Construction phase works along the Mar Dyke for ecological mitigation would cause a small change but would not affect significance. Main alignment works would be located south and west, away from the asset	Archaeological excavation and recording	Negligible	Slight adverse	Operational alignment would cause a change to setting, primarily through increase in noise but would not greatly alter relationships with contemporary sites in the area.	None	Negligible	Slight adverse	N	N	N
380	MEX43038	Horndon to Barking Gas Pipeline - Site 5	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
382	MEX43041	Horndon to Barking gas Pipeline - Site 7	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
396	MEX6018	Tilbury - Neolithic find spot	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
403	MEX6079	Chadwell St Mary	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
404	MEX6084	Sandy Lane, Chadwell St Mary	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
410	MEX6095	West Tilbury - Low Street (cremation urns found in a gravel pit)	Low	It is unclear whether are remains are still present, if they are they would be impacted by utility working areas for multi-utility works and removal of	None	Archaeological excavation and recording	Permanent moderate	Permanent slight adverse	None	None	No change	Neutral	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				an OHL, followed by construction of the Tilbury Viaduct.											
412	MEX6102	East Tilbury Foreshore	Medium	Outfall from northern tunnel entrance compound would cross the asset, with a permanent physical impact on any archaeological remains within this area.	Minor change to the setting of this asset, by introducing permanent infrastructure into the foreshore and intertidal area. No change from existing landfill activities.	Archaeological excavation and recording	Minor	Slight adverse	Either the continued presence of the outfall or the area of disturbance caused by its removal would cause a continuing change to the setting of the heritage asset, but it would only affect a small area of the asset and not change its key relationship with the landscape	None	Negligible	Slight adverse	N	N	N
432	MEX6251	Mucking - Rainbow Wood	Low	Recorded features have been removed and cannot experience a physical impact.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Minor	Slight adverse	The operational alignment would cause a change to the setting and affect the assets significance by impacted relationships between this asset and contemporary features to the south and west.	None	Minor	Slight adverse	N/A	N	N
436	MEX6263	West Tilbury - Coal Road, east of Low Street Lane, a findspot of Roman	Negligible	None, the asset has been previously removed	None	None	No change	Neutral	None	None	No change	Neutral	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
		pottery, exact location unknown													
441	MEX6286	North of Church, East Tilbury	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
442	MEX6289	East Tilbury - Bowaters Farm	Medium	The asset would be completely removed during the establishment of the Northern Tunnel Entrance Compound.	Increase in industrial activity within the setting, causing small impact to significance.	None	Moderate	Moderate adverse	Operational alignment would cause a change to setting, primarily through increase in noise and would affect relationships with contemporary sites in the area.	None	Minor	Slight adverse	Y	N	N
443	MEX6294	East Tilbury - Muckingford Lane, flint findspot	Negligible	None as asset has been previously removed.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
444	MEX6295	East Tilbury - Muckingford Lane	Medium	Some of the recorded features have been archaeologically excavated but there is potential for associated remains in that could be impacted by multi-utility network groundworks, which would impact on the western and northern sides of the asset.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	Archaeological excavation and recording	Permanent minor	Permanent slight adverse	Operation of the Project would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Minor	Slight adverse	N	Y	N
445	MEX6308	East Tilbury - Muckingford	Low	None	None	None required	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
		Lane, Iron Age pottery findspot													
446	MEX6309	East Tilbury - Muckingford Lane	Medium	Some of the recorded features have been archaeologically excavated but there is potential for associated remains in that could be impacted by multi-utility network groundworks, which would impact on the western and northern sides of the asset.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	Archaeological excavation and recording	Permanent minor	Permanent slight adverse	None	None	No change	Neutral	N	Y	N
447	MEX6312	Cropmarks to the north of Mill House Farm	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
449	MEX6325	Cropmarks at West Tilbury-High House. Originally a large HER polygon called "Enclosures" has now been reduced following LTC trial trench evaluation	Low	A very small proportion of the asset is located within the utility working area for multi-utility network diversions. The effect is assessed as neutral rather than slight due to the small area of the asset that will be physically impacted.	None	Archaeological excavation and recording	Negligible	Neutral	Associated archaeological remains within the Order Limits would no longer be present as these would have been removed during construction. The effect is assessed as slight rather than neutral as it is assessed that the valley setting of the asset and associated archaeological remains make a	None	Minor	Slight adverse	N	Y	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
									minor contribution to its value.						
450	MEX6327, LTC ATT WSI M trenches 220, 221	Cropmark complex East of Mill House, Chadwell St Mary	High	Impact from Muckingford Road realignment and utilities working area for multi-utility networks to a small area of the asset on southern edge.	This activity would cause a change to the current tranquil rural setting.	Archaeological excavation and recording	Negligible	Permanent slight adverse	None	None	No change	Neutral	N	N	N
451	MEX6341	East Tilbury	Low	Partially within the working area for the utility diversions and main works construction area, causing a physical impact to a small part of the asset.	Aural and visual impact of construction works immediately adjacent.	None	Negligible	Slight adverse	Aural and visual impact of the completed Project would introduce intrusive features into the setting and impact the relationship with associated features.	None	Negligible	Neutral	N	N	N
452	MEX6343	East Tilbury	Low	Creation of the ecological mitigation area may impact some parts of these remains.	This activity would cause a change to the current tranquil rural setting.	Archaeological excavation and recording	Minor	Slight adverse	None	None	No change	Neutral	N	N	Y
453	MEX6391	East Tilbury	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
459	MEX6420; Lower Thames Crossing 2019 Archaeological evaluation of Land Parcel 5	Cropmarks of pits and ditches at West Tilbury - Mill House Farm	Low	A small part of the asset would be removed by utility diversions for multi-utility networks. The effect is assessed as neutral rather than slight due to the small proportion of the overall asset that would be	Aural and visual impact of construction works within and immediately adjacent.	Archaeological excavation and recording	Negligible	Neutral	The operational alignment would adversely changed the historic valley setting of the asset.	None	Minor	Slight adverse	N	Y	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				physically removed.											
477	MEX6521	West Tilbury - Gun Hill, Cropmarks east of Turnpike Lane	Medium	A very small area at the northern edge of the asset would be impacted upon by multi-utility diversions and the utility working area.	None	Archaeological excavation and recording	Negligible	Neutral	None	None	No change	Neutral	N	N	N
479	MEX6530	North of Holford Farm	Medium	A very small area at the northern edge of the asset would be impacted upon by multi-utility diversions and the utility working area.	None	Archaeological excavation and recording	Negligible	Neutral	None	None	No change	Neutral	N	N	N
482	MEX6539	Orsett	Medium	Within the utility logistic hub and utility diversions, causing a physical impact to the northern part of the asset.	Aural and visual impact of construction works within and immediately adjacent.	Archaeological excavation and recording	Moderate	Moderate adverse	The operational alignment would be in a false cutting so would not be visible from all of the asset but would be clearly audible.	None	Minor	Slight adverse	N	Y	N
484	MEX6549	Mucking, East Tilbury	Medium	It is unclear whether any remains are present, and the construction activity would only affect a very small area of the recorded route of the road.	Construction would not affect the relationship between this asset and the associated ones that contribute to its significance	None	Negligible	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
487	MEX6556	Mill House	Low	A very small area of the historic farmstead grounds will be physically impacted upon by	None	Archaeological excavation and recording	Negligible	Neutral	None	None	No change	Neutral	N	N	N

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				widening of Muckingford Road/Holford Road junction and utility working areas.											
493	MEX6596	Linford	Medium	Recorded features have been removed but there is potential for associated remains in close proximity that could be impacted by utility diversion works.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	Archaeological excavation and recording	Minor	Slight adverse	None	None	No change	Neutral	N	Y	N
496	MEX6603	A multi-period site with settlement and salt-making industry with activity from the Neolithic to the Early Medieval Period, with subsequent Medieval agricultural activity and an undated unurned cremation	High	Asset (496) would be physically impacted upon by the mains works area, utility working areas for multi-utility networks, gas network TFGP1, the main alignment and earthworks, and landscape mitigation LE6.2 Banks and Ditches. The asset would not be completely removed although the area with the greatest density of archaeological remains would be removed. This would result after mitigation (AMS-OWSI No. 4) in a	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	Archaeological excavation and recording	Moderate	Moderate adverse	The aural and visual impact of the completed Project that would introduce intrusive features into the setting and impact the relationship with associated features in the vicinity and the wider landscape. The adjacent main alignment including Tilbury Viaduct and Tilbury link junction would greatly curtail the spatial and visual relationship between this promontory salt-working site and the	None	Minor	Moderate adverse	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				moderate magnitude impact and moderate adverse effect, which is assessed as significant. The effect is assessed as moderate rather than large as a sizeable area of the archaeological site will not be directly physically impacted upon.					West Tilbury Marshes with which it was formerly historically associated. This would result in minor impact and a moderate adverse effect which is significant. The effect is assessed to be moderate rather than slight due to the large scale of change to the setting of the asset.						
496	MEX6603	A multi-period site with settlement and salt-making industry with activity from the Neolithic to the Early Medieval Period, with subsequent Medieval agricultural activity and an undated unurned cremation	High	Asset (496) would be physically impacted upon by the mains works area, utility working areas for multi-utility networks, gas network TFGP1, the main alignment and earthworks, and landscape mitigation LE6.2 Banks and Ditches. The asset would not be completely removed although the area with the greatest density of archaeological remains would be removed. This	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	Archaeological excavation and recording	Moderate	Moderate adverse	The aural and visual impact of the completed Project that would introduce intrusive features into the setting and impact the relationship with associated features in the vicinity and the wider landscape. The adjacent main alignment including Tilbury Viaduct and Tilbury link junction would greatly curtail the spatial and visual relationship between this	None	Minor	Moderate adverse	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				would result after mitigation (AMS-OWSI No. 4) in a moderate magnitude impact and moderate adverse effect, which is assessed as significant. The effect is assessed as moderate rather than large as a sizeable area of the archaeological site will not be directly physically impacted upon.					promontory salt-working site and the West Tilbury Marshes with which it was formerly historically associated. This would result in minor impact and a moderate adverse effect which is significant. The effect is assessed to be moderate rather than slight due to the large scale of change to the setting of the asset.						
497	MEX6607	East of West Tilbury	Low	Partially within the working area for the utility diversions and construction access, causing a physical impact to a small part of the asset.	Aural and visual impact of construction works immediately adjacent.	None	Negligible	Slight adverse	Aural and visual impact of the completed Project would introduce intrusive features into the setting and impact the relationship with associated features.	None	Minor	Slight adverse	N	N	N
498	MEX6609	East Tilbury - 'Soldier's Graves'	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
499	MEX6627	Tilbury - Wick House	Negligible	None. No longer extant	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
502	MEX6632	West side of East Tilbury Marshes	Low	This asset would be impacted by northern tunnel entrance	None	None	Negligible	Slight adverse	None	None	No change	Neutral	Y	N	N

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				compound. Low potential for buried remains as asset has been impacted by landfill.											
507	MEX6731	Orsett - Orsett Cock	Low	None. Find spot, previously removed	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
508	MEX6735	Orsett - Orsett Cock	Medium	Recorded features have been removed and cannot experience a physical impact.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Minor	Temporary Slight adverse	None, following completion of the utility diversion works the construction phase impact through change to setting would be reversed.	None	No change	Neutral	N/A	N/A	N/A
509	MEX6743	Orsett - Orsett Cock	Medium	Recorded features have been removed and cannot experience a physical impact.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Minor	Temporary Slight adverse	None, following completion of the utility diversion works the construction phase impact through change to setting would be reversed.	None	No change	Neutral	N/A	N/A	N/A
510	MEX6774	Orsett - Orsett Cock	Medium	Recorded features have been removed and cannot experience a physical impact.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Minor	Temporary Slight adverse	None, following completion of the utility diversion works the construction phase impact through change to setting would be reversed.	None	No change	Neutral	N/A	N/A	N/A
511	MEX6775	Orsett - Orsett Cock	Medium	Recorded features have been removed and cannot	Construction activity would impede the understanding of the relationship	None	Minor	Temporary Slight adverse	None, following completion of the utility diversion works the construction phase impact	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				experience a physical impact.	between this asset and contemporary features nearby.				through change to setting would be reversed.						
512	MEX6784	Orsett - Orsett Cock	Medium	Recorded features have been removed and cannot experience a physical impact.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Minor	Temporary Slight adverse	None, following completion of the utility diversion works the construction phase impact through change to setting would be reversed.	None	No change	Neutral	N/A	N/A	N/A
513	MEX6787	Orsett - Orsett Cock	Low	Recorded features have been removed and cannot experience a physical impact.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Minor	Slight adverse	None, following completion of the utility diversion works the construction phase impact through change to setting would be reversed.	None	No change	Neutral	N/A	N/A	N/A
514	MEX6790	South Ockendon Old Hall	High	None, the ecological mitigation would not break ground or impact the upstanding structures	None, major construction activity would be located over 600m from the asset and would cause no change to setting.	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
517	MEX6824	Mound South of South Ockendon Hall	Low	None, the access to the ecological mitigation would not break ground	None, major construction activity would be located over 600m from the asset and would cause no change to setting.	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A

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520	MEX6914	Orsett-Collingwood Farm	Low	A small area of archaeological remains would experience a physical impact from nitrogen deposition (Ndep) compensation planting as asset partially located within Buckingham Hill Ndep compensation site.	Archaeological remains would experience a physical impact from tree planting	Archaeological excavation and recording	Negligible	Neutral	None	Ndep compensation planting	No change	Neutral	N	N	Y
521	060092/02/00	Ockendon Road, North Ockendon	Negligible	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
536	060462/00/00	Beredens Lane, Cranham	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
541	060901/00/00	Warley St Near Great Warley	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
553	MLO109162	Ockendon Road / North Ockendon Road, [Stubbers Adventure Centre], Havering, RM14 2TY [remnant of country estate grounds]	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A

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558	062025/00/00	Maybank Ave	Negligible	None, findspot	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
582	MLO100577	Moor Lane, Queens Gardens, Cranham [cropmarks]	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
584	MLO100583	Folkes Lane (west of cropmark)	Medium	None	None	None required	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
585	MLO100584	Folkes Lane (east of) [cropmark]	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
586	MLO100586	Moor Lane, Queens Gardens, Cranham [cropmark]	Low	The majority of the asset is located within the Mains Works Construction area and would be removed.	None	Archaeological excavation and recording	Permanent moderate	Permanent slight	None	None	No change	Neutral	N	N	N
594	MLO100818	Medieval agricultural and settlement-periphery activity	Low	The asset would be completely removed during the construction of the main alignment and the establishment of the M25 Compound	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
595	MLO100819, MLO100820, MLO100821	Cropmarks of a rectilinear enclosure, pits and ringditches	Medium	The medium-value non-designated cropmarks of a rectilinear enclosure, pits and ringditches (595) to the south of North Ockendon within the Order Limits would be completely	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

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				removed during the establishment of the M25 Compound.											
598	MLO100822, MLO100823	Cropmarks of a trackway of possible Medieval to Post-Medieval date	Low	This asset would be totally removed by the establishment of the M25 Compound.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
604	MLO137	Ockendon Road, [Manor Farm], North Ockendon, Havering [Late Bronze Age to Roman occupation site]	Medium	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
605	MLO139	Ockendon Road, North Ockendon, Havering [possible prehistoric cropmarks]	Low	This asset would be totally removed by the establishment of the M25 Compound.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
611	MLO58272	Dispersed Iron Age to Roman pits and ditches	Low	The asset would be completely removed during the construction of the main alignment and the establishment of the M25 Compound	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
613	MLO71925	Fen Lane, North Ockendon, Havering [Old Road]	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
631	413474	Roman vase, East Tilbury.	Negligible	None, find spot	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A

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633	413477	St Marys Hospital and Chapel	Medium	Unclear whether any remains of this asset survive. If present they would be impacted by creation of an ecological mitigation area.	Some change due to construction activity, but would not alter relationship with East Tilbury.	Archaeological excavation and recording	Minor	Slight adverse	None	None	No change	Neutral	Y	N	Y
635	413480	Iron Age pottery	Negligible	None, findspot	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
637	413483	Possible Neolithic burial	Low	Creation of the ecological mitigation area may impact these remains.	Increase in industrial activity within the setting, causing small impact to significance.	Archaeological excavation and recording	Minor	Slight adverse	None	None	No change	Neutral	Y	N	Y
638	413484	Neolithic arrowhead.	Low	None, FINDSPOT	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
643	413494	Three Red hills found along with Roman pottery.	Medium	The asset would be completely removed during the establishment of the Northern Tunnel Entrance Compound.	Increase in industrial activity within the setting, causing small impact to significance.	None	Moderate	Moderate adverse	Operational alignment would cause a change to setting, primarily through increase in noise and would affect relationships with contemporary sites in the area.	None	Minor	Slight adverse	Y	N	N
644	413495	Roman lamp.	Negligible	None, findspot	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
645	413496	Whetstone of possible Bronze Age date	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
652	413522	ST. CHADS WELL	Low	Recorded features have been removed and cannot	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A

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				experience a physical impact.											
682	414139	The remains of a Romano British cremation and inhumation cemetery.	Medium	Only eastern and southern edge of recorded features within Order Limits, unlikely there will be any physical impact.	Increase in industrial activity within the setting, causing small impact to significance.	None	Negligible	Slight adverse	Operational alignment would cause a change to setting, primarily through increase in noise but would not greatly alter relationships with contemporary sites in the area.	None	Negligible	Slight adverse	N	N	N
685	414156	Roman glass bottle neck.	Low	None, findspot	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
686	414159	A Mesolithic flint blade was found.	Low	None, findspot	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
690	502033	Low Street Station	Low	Potential for archaeological remains in this location that would be impacted by utility diversion works, main works construction area and creation of Station Road compound.	None, would not alter relationship with railway.	Archaeological excavation and recording	Moderate	Slight adverse	None	None	No change	Neutral	N	N	N
712	965531	Medieval and Post-Medieval buildings excavated at Beredens Manor, Uppingham.	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
714	1043713	Feature	Low	It is unclear whether any remains are	Construction would not affect the relationship	None	Negligible	Neutral	None	None	No change	Neutral	N	N	N

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				present, and the construction activity would only affect a very small area of the recorded route of the road.	between this asset and the associated ones that contribute to its significance										
715	1043721	Feature	Low	Small proportion of the recorded route of the asset is within the Application Site, but if archaeological remains are present, they would experience an impact from the main alignment construction and from multi-utilities groundworks west of SM13.	None	Archaeological excavation and recording	Minor	Slight adverse	Operational alignment would cause a change to setting, primarily through increase in noise but would not greatly alter relationships with contemporary sites in the area.	None	Negligible	Neutral	N	N	N
716	1043728	Feature	Low	It is unclear whether any remains are present, and the construction activity would only affect a very small area of the recorded route of the road.	Construction would not affect the relationship between this asset and the associated ones that contribute to its significance	None	Negligible	Neutral	None	None	No change	Neutral	N	N	N
717	1043729	Feature	Low	It is unclear whether any remains are present. Multi-utility network diversions, the construction of the main alignment and widening of the Muckingford Road would	Construction would not affect the relationship between this asset and the associated assets that contribute to its significance.	Archaeological excavation and recording	Minor	Neutral	None	None	No change	Neutral	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				affect a small area of the overall recorded route of the road.											
723	1142655	A broken handaxe found to the north of the church at Marsh Level, East Tilbury	Negligible	None, findspot	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
724	1142664	A Palaeolithic handaxe found on the surface of the ground at South Ockendon	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
741	1416228	Remains of a Second World War or later radar mast near Coalhouse Fort. Precise location not known.	Low	Creation of the ecological mitigation area may impact these remains.	Increase in industrial activity within the setting, causing small impact to significance.	Archaeological excavation and recording	Minor	Slight adverse	None	None	No change	Neutral	N	N	Y
761	1549291	East Tilbury	Medium	Part of northern tunnel entrance compound, utility diversion works and ecological mitigation areas would be located within this asset but the settlements would not experience any physical impact.	A variety of construction works would be located in the setting, this would affect the rural character but not impact the relationship between East Tilbury village and the Bata factory garden village.	None	Minor	Temporary Slight adverse	The operational alignment would be located to the west of both elements of the setting and would not affect their relationship. The increase in noise would cause a change in the rural setting. The ecological mitigation areas	None	Negligible	Slight adverse	N/A	N/A	N/A

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									would cause no change.						
1751	ELO2786	Pike Lane flint (some bunt) and pottery finds.	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
1789	AP mapping new	Cropmarks of a trackway which is probably a continuation of the Iron Age track/funnel associated the enclosure to the south-east (Site 22). There are also a large group of small pits of an unknown date	Low	Utility diversion works would impact part of this asset.	The relationship with associated features would be impacted during construction with some features removed and the connections with others severed.	Archaeological excavation and recording	Moderate	Slight adverse	The relationship with associated features would be impacted, although not as severely as during construction.	None	Minor	Slight adverse	N	Y	N
1790	AP mapping new	Cropmarks of former field boundaries forming a field system, these features are visible on the 1st edition OS mapping of the 1880s but may have earlier origins	Low	Construction of main alignment and Ockendon Road compound would affect the asset.	Construction of the main alignment would cause increased visual and aural impact to current setting, although M25 is already present.	Archaeological excavation and recording	Minor	Slight adverse	The main alignment would cause increased visual and aural impact to current setting, although M25 is already present.	None	Negligible	Slight adverse	N	N	N
1794	AP mapping new	An elongated enclosure that crosses the marsh, possibly associated with WWII activity in the area. Not visible on later photographs	Low	This asset would be impacted by northern tunnel entrance compound. Low potential for buried remains as asset has likely been removed.	None	None	Negligible	Slight adverse	None	None	No change	Neutral	Y	N	N

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1795	AP mapping new	Earthworks consisting of ditches on either side of central tracks visible for over 1.5 km. Four of these driveways are visible running in a north-south direction across the former salt marsh.	Low	Would be impacted by northern tunnel entrance compound and Station Road compound but features likely to have already been truncated by landfill activity.	None	None	Negligible	Slight adverse	None	None	No change	Neutral	Y	N	N
1797	AP mapping new	A possible earthwork enclosure that uses creeks on the salt marsh. The site is visible with shallow water filled ditches five days after the 1953 flood. Could be a salt making site. Site now covered by landfill site.	Low	This asset would be impacted by northern tunnel entrance compound. Low potential for buried remains as asset has been impacted by landfill.	None	None	Negligible	Slight adverse	None	None	No change	Neutral	Y	N	N
1798	AP mapping new	Cropmarks of a former field boundary visible on the 1st edition OS mapping of the 1880s. No sign of the potential red hills identified from geophysics.	Low	Creation of the ecological mitigation area may impact some parts of these remains.	This activity would cause a change to the current tranquil rural setting.	Archaeological excavation and recording	Minor	Slight adverse	None	None	No change	Neutral	N	N	Y

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
1799	AP mapping new	Earthworks of a small field or drainage system visible on aerial photographs from the 1940. The ditches were visible as earthworks, but have since been destroyed by the construction of a pond and drainage system.	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
1800	AP mapping new	Earthworks of a series of short field boundaries of a probable post-medieval date that have subsequently been levelled.	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
1802	AP mapping and LTC ATT	The site of partial circular cropmark, found not to be present during trial trenching.	Negligible	This location would be heavily impacted upon during construction of the main alignment and landscaping (LE2.2 Woodland Planting with Non-Native Species)	N/A due to physical removal during construction	None required	Negligible	Neutral	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
1803	OS mapping	Site of Castle Farm	Low	None - asset is located within woodland	None - asset is located within woodland	None	No change	Neutral	None - asset is located within woodland	None	No change	Neutral	N/A	N/A	N/A
1804	AP mapping new	Cropmarks of a possible ring ditch were	Low	Within the working area for the main	None	Archaeological excavation and recording	Moderate	Slight adverse	None	None	No change	Neutral	Y	N	N

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		visible on a single aerial photograph, however the mark is not thought to be archaeological in origin (possible agricultural mark) and was therefore not mapped.		alignment, therefore the asset will be removed.											
1805	AP mapping new	Cropmarks of former field boundaries of a possible late medieval date and two rectangular enclosures.	Low	Construction of main alignment would remove the asset.	Construction of the main alignment would cause visual and aural impact in current tranquil rural setting.	Archaeological excavation and recording	Minor	Slight adverse	The main alignment would cause visual and aural impact in current tranquil rural setting.	None	Negligible	Slight adverse	Y	N	N
1808	Thurrock Local History Society 2019 / LTC interpretation of multiple data sources	Seaborough Hall was a medieval manor house that was also used in the post-medieval period. It was demolished in the early 20th century and all that remains is a wall adjacent to Brentwood Road	Low	Utility diversion works would affect any surviving remains, but the asset is on the edge of the Order Limits so may be beyond physical impact.	Aural and visual impact of construction activity from compounds and utilities in close proximity to the asset, would introduce intrusive features into the setting and impact the relationship with associated features.	Archaeological excavation and recording	Minor	Slight adverse	Aural and visual impact of the completed Project, specifically introduce intrusive features into the setting and impact the relationship with associated features.	The Project would be located within a false cutting to reduce visibility.	Minor	Neutral	N	Y	N
1810	North Ockendon tithe map	Green Lane shown on the c.1841 tithe map of North Ockendon	Low	M25 compound would impact these remains.	Construction activity would impede the understanding of the relationship between this asset and	Archaeological excavation and recording	Minor	Slight adverse	The operational alignment would cause a small change in the setting through the addition of further road infrastructure	None	Negligible	Slight adverse	Y	N	N

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					contemporary features nearby.				adjacent to the existing railway and M25.						
1811	Estate map of the North Ockendon Hall Farm 1775 D/DBe P4	Brick Kiln Field shown on map of the North Ockendon Hall Farm estate dating to 1775	Low	M25 compound would impact these remains.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	Archaeological excavation and recording	Minor	Slight adverse	The operational alignment would cause a small change in the setting through the addition of further road infrastructure adjacent to the existing railway and M25.	None	Negligible	Slight adverse	Y	N	N
1823	Orsett tithe map 1840 and later 19th century OS maps	Five Chimney Cottages. The 1840 Orsett tithe map (D/CT 264/1a) and the OS map of 1873 show several buildings at Five Chimneys which were replaced by the mid-20th century with one long building	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
1824	Orsett tithe map 1840 and later 19th century OS maps	Potash Cottages. These cottages are shown on the 1840 tithe map and the OS map of 1873 and were also demolished by the mid-20th century although there	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A

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		appear to have been cottages south of the A1013 which were also called Potash Cottages													
1831	Site walkover	Very shallow linear depression c. 65m east of SM1, possible archaeological feature but could be route of pipe/service.	Negligible	The southern half of the feature within the Order Limits would be removed by the main alignment and landscaping mitigation LE1.3 and LE6.2	None	Archaeological excavation and recording	Minor	Slight adverse	Presence of main alignment to south	None required	Minor	Neutral	N	N	N
1832	Site walkover	A pair of circular stone sunken features.	Low	These features would be removed during landscape mitigation LE6.2	N/A due to physical removal	Archaeological excavation and recording	Moderate	Slight adverse	N/A due to physical removal	None required	No change	Neutral	Y	N	Y
1833	Site walkover	Drainage from Coalhouse Fort (SM14) moat, direction of flow (from fort) SW, N, W and S. Precise route of watercourse along northern section unclear. Info provided by Coalhouse Ranger 04.07.2018.	Negligible	The feature would be partially removed during establishment of landscape mitigation LE6.2 and LE6.4.	None	GPS survey of location	Moderate	Neutral	N/A due to physical removal	None required	No change	Neutral	N	N	Y
1859	Site walkover	Possible spot dated fragmented Roman pot	Negligible	None	None	None	No change	Neutral	None	None required	No change	Neutral	N/A	N/A	N/A

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		find in ploughed field.													
1864	Site walkover	Site of former farmstead of Botney	Low	Asset would be removed during groundworks for flood alleviation measures	N/A due to physical removal	Archaeological excavation and recording	Moderate	Slight adverse	None	None required	No change	Neutral	Y	N	Y
1867	Site walkover	Uneven ground with possible former field boundary banks. Possible former paddocks now replaced. Banks form rough rectangular shape with possible internal squares. Small trees in field may have associations as remaining extant features if boundaries.	Low	Asset would be impacted by proposed utilities	N/A due to physical removal	Archaeological excavation and recording	Moderate	Slight adverse	N/A due to physical removal	None required	No change	Neutral	Y	Y	N
2024	MEX1032840	Warley Franks Manor	Medium	The Order Limits covers a very small area on the northern side of the asset, no physical impact.	Construction activity would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Minor	Slight adverse	The operational alignment would cause a small change in the setting through the addition of further road infrastructure adjacent to the existing M25.	None	Negligible	Slight adverse	N	N	N
2057	MEX1049923	Site of Hobletts Farm, Orsett	Low	Utility working area for multi-utility networks	None	Archaeological excavation and recording	Permanent negligible	Permanent neutral	None	None required	No change	Neutral	N	Y	N

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		Fen (potential below-ground archaeological remains, for extant farmhouse see 4164)		may impact upon potential below-ground remains of former outbuildings.											
2060	MEX1049926	Thriffs and Abrahams Farm, Orsett Fen	Low	Recorded features outside construction works area, no impact.	Construction of the main alignment would cause visual and aural impact in current tranquil rural setting.	None	Minor	Slight adverse	The main alignment would cause visual and aural impact in current tranquil rural setting.	None	Negligible	Slight adverse	N	N	N
2061	MEX1049927	Chantry Farm, Ockendon	Low	None	Change to rural setting during construction, but would not affect all associated rural land	None	Temporary minor	Temporary slight adverse	None	None	No change	Neutral	N	N	N
2062	MEX1049928	Botney Farm, South Ockendon	Low	Recorded features have been removed but there is potential for some remains to survive.	Aural and visual impact of construction works within and immediately adjacent.	Archaeological excavation and recording	Minor	Slight adverse	The asset would have been completely removed during construction and could not experience an impact during operation.	None	No change	Neutral	N/A	N/A	N/A
2078	MEX17984	Cropmarks S of Hill House, Baker Street	High	Within the working area for utility diversions, causing a physical impact to a small area of the eastern part of the asset. The effect is assessed as moderate rather than large as a large proportion of the archaeological	Aural and visual impact of utility construction works within and immediately adjacent.	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Moderate adverse	The utilities would be buried and would not create any visual intrusion during operation. The operational A122 would not be clearly visible but is likely to be audible.	Landscape earthworks and planting would reduce visibility.	Minor	Slight adverse			

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				site will not be directly physically impacted upon.											
2080	MEX18168	Stanford le Hope	Low	Small area of impact caused by utility diversion works.	Small change from existing setting, but does not impact relationships with associated features.	None	Negligible	Neutral	None	None	No change	Neutral	N	Y	N
2083	MEX18182	Grays A13 junction	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
2087	MEX18211	Stifford Clays	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
2088	MEX18214	Stifford Clays	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
2089	MEX18215	Stifford Clays	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
2104	MEX31800	Spigot Mortar Site (destroyed), 24 Brentwood Road, Chadwell	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
2116	MEX39955	Cropmarks S of Saffron Garden	Low	Small area of impact caused by utility diversion works.	Small change from existing setting, but does not impact relationships with associated features.	None	Negligible	Neutral	None	None	No change	Neutral	N	Y	N
2134	MEX6198	Chadwell St Mary	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
2135	MEX6201	Purleby Pit, Chadwell St Mary	Negligible	None, findspot	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
2144	MEX6404	St Chads Well, Hobhill Farm, Chadwell St Mary	Low	Recorded features outside Order Limits	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A

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3553	LTC ATT WSI E trenches 131, 134, 135, 136, 139	Bronze Age to Iron Age enclosed settlement	Medium	This asset would be completely removed by utility working areas for multi-utility networks and OHL diversions and the construction of the main alignment and associated earthworks.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3554	LTC ATT WSI E trenches 69, 87, 88	Bronze Age or Iron Age pit and undated ditches	Low	The asset would be completely removed during construction of the main alignment.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3559	LTC ATT WSI E trench 26	Medieval quarry pits containing pottery	Low	The asset would be completely removed by utility working areas for multi-utility networks and OHL diversions	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	Y	N
3565	LTC ATT WSI A trenches 28, 29, 30, 38, 39, 40	Pit, posthole and ditch containing probable Late Bronze Age pottery, undated features nearby may also date to this period	Low	The asset would be completely removed by construction of the main alignment.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3567	LTC ATT WSI C trench 18	Late Neolithic to Early Bronze Age pit or ditch terminus.	Medium	The asset would be completely removed during the construction of the main alignment.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	Y	N	N

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3568	LTC ATT WSI C trench 42	Isolated ditch dated to the Late Bronze Age to early Iron Age	Low	Potential to be removed by utilities and construction working area, should the ditch continue into the Order Limits.	Slight change in setting and removal of potential associated remains located within Order Limits. Open space will remain within area outside of Order Limits and around Heath Place.	Archaeological excavation and recording. Preservation in situ of remains located outside Order Limits, where asset was identified.	Minor	Slight adverse	Slight change due to change in agricultural setting to the south, however asset will benefit from buffer and space omitted from Order Limits, to maintain some agricultural land.	None	Minor	Slight adverse	N	N	N
3570	LTC ATT WSI C trenches 78, 79	Ditches of probable Post Medieval boundaries	Low	The asset would be completely removed by construction of the main alignment.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3572	Lower Thames Crossing Archaeological Trial Trenching	Bronze Age features	Medium	The asset would be completely removed during the construction of the main alignment and associated earthworks.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction.	N/A due to physical removal during construction.	N/A due to physical removal during construction.	N/A due to physical removal during construction.	Y	N	N
3574	LTC ATT WSI D trenches 123, 124, 125	Middle Iron Age occupation	Medium	The southern part of the asset would be removed by the Brentwood Road Construction Compound and utility diversion works.	Aural and visual impact of construction works within and immediately adjacent.	Archaeological excavation and recording	Minor	Permanent Slight Adverse	Adverse change to the setting of the asset due to the presence of the main alignment and removal of associated archaeological remains	None	Minor	Slight adverse	N	N	N
3575	Lower Thames Crossing 2019 Archaeological evaluation of Land Parcel 4	Continuous roughly linear feature containing much burnt material, may represent a	Medium	The asset would be removed during utility works.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Moderate adverse	N/A due to physical removal	None required	No change	Neutral	Y	Y	N

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		boundary marker													
3576	Lower Thames Crossing 2019 Archaeological evaluation of Land Parcel 4	Two linear ditches which match an alignment of two perpendicular linear cropmarks	Low	The asset would be partly removed during construction of the main alignment and utility works.	N/A due to physical impact	Archaeological excavation and recording	Minor	Slight adverse	Asset will be permanently bisected by the main alignment.	None possible	Moderate	Slight	Y	N	N
3577	Lower Thames Crossing 2019 Archaeological evaluation of Land Parcel 4	Remains of brick walls and a possible beam slot relating to the now demolished Seaborough Hall	Low	The asset would be removed during construction of the Brentwood Road link and landscape planting LE2.1	N/A due to physical impact	Archaeological excavation and recording	Moderate	Slight adverse	N/A due to physical removal	None required	No change	Neutral	Y	N	N
3588	Lower Thames Crossing Archaeological Trial Trenching	Undated Trackway	Low	The asset would be completely removed due to its location within the utilities working area and groundworks for associated utility works.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction.	N/A due to physical removal during construction.	N/A due to physical removal during construction.	N/A due to physical removal during construction.	Y	N	N
3589	Lower Thames Crossing Archaeological Trial Trenching	Potential Medieval site	Medium	Removal due to utilities working area and utility works.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Moderate adverse	N/A due to physical removal at construction.	None	No change	None	Y	Y	N
3591	LTC ATT WSI D trenches 37, 50, 62, WSI C trench 55	Late Bronze Age to Early Roman ditched trackway	Low	The majority of the asset would be removed by the Brentwood Road Construction Compound, main alignment works area and utility diversion works.	Aural and visual impact of construction works within and immediately adjacent.	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

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3592	LTC ATT WSI D trenches 10, 11, 16, 17, 18, 19, 25, 26, 27, 28, 37, 38, 39, 40, 49, 50, 51, 52, 60, 61, 62, 63, 71, 72, 73, 74, 82, 83	Neolithic and undated pits, ditches and a posthole	Medium	The asset would be totally removed by construction of the main alignment, the Brentwood Road Construction Compound and utility diversion works.	N/A due to physical removal during construction. The asset would be removed from the setting of SM6.	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3594	LTC ATT WSI D trenches 34, 35, 36, 46, 47, 48, 58, 59, 68, 69, 70, 80	Late Neolithic and undated pits and a ditch, including potential pit circle in Tr36	Medium	The asset would be totally removed by construction of the main alignment, the Brentwood Road Construction Compound and utility diversion works.	N/A due to physical removal during construction. The asset would be removed from the setting of SM6.	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3598	LTC ATT WSI E trenches 8, 9, 14, 15, 16, 17, 20, 21, 26, 27, 34, 35, 41, 47, 100, 102, 109, 111	Neolithic, Bronze Age, Iron Age and Undated settlement activity	Medium	The majority of the asset would be removed by utility working areas for multi-utility networks and OHL diversions and the construction of the main alignment and associated earthworks.	Construction works taking place within and adjacent to the asset	Archaeological excavation and recording	Moderate	Permanent moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N	N	N
3599	LTC ATT WSI E trench 64	Findspot of a Late Mesolithic backed flint bladelet redeposited in colluvium along with Bronze Age	Low	This asset would be completely removed by the mains works area and utility diversions for multi-utility networks.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

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		and Iron Age pottery													
3601	LTC ATT WSI E trenches 147, 155, 152, 153	Iron Age to Roman possible industrial activity	Medium	The majority of the asset would be removed by utility working areas for multi-utility networks and the construction of the route alignment	Construction works taking place within and adjacent to the asset	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	Presence of new road in the valley adjacent to the asset	None	Minor	Slight Adverse	N	N	N
3602	LTC ATT WSI E trenches 164, 165	Pit with flint-tempered late Bronze Age to Iron Age pottery, charcoal and charred wheat grain and an undated ditch	Low	The site of the asset would be completely removed by utility working areas for multi-utility networks	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	Y	N
3615	LTC ATT WSI L trenches 5, 6, 17, 21, 22, 23	Romano-British industrial or agricultural feature including short parallel ditches similar to that found within asset 247	Low	The asset would be completely removed as a result of utility working areas for multi-utility networks, establishment of the Stifford Clays Road Compound East and construction of the main alignment and earthworks.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Slight adverse	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	Y	N	N
3617	LTC ATT WSI L trenches 27, 28	Roman ditch and an undated ditch and pit	Low	The asset would be completely removed as a result of the mains works area and utility working areas for multiple utility networks	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Slight adverse	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
3619	LTC ATT WSI E trenches 83, 84, 90, 91, 94, 107, 112, 113, 115	Late Neolithic to Bronze Age funerary and possible ritual activity	Medium	The majority of the asset would be removed by utility working areas for multi-utility networks and OHL diversions and the construction of the main alignment and associated earthworks.	Construction works taking place within and adjacent to the asset	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	Presence of new road in the valley adjacent to the asset	None	Minor	Slight Adverse	N	N	N
3623	LTC ATT WSI I trenches 106, 120, 121, 123, 129, 137, 139, 140, 142, 146, 147, 148, 149, 150, 151	A series of heavily truncated ditches and small number of pits and postholes probably representing Prehistoric field systems and settlement-periphery activity	Low	The vast majority of the asset would be removed by utility working areas for multi-utility works and OHL works and the construction of the upgraded A13 junction. The effect is considered to be slight rather than neutral due to the scale of increase of road infrastructure.	Construction work taking place within and adjacent to the asset	Archaeological excavation and recording	Moderate	Permanent slight adverse	None	None	No change	Neutral	N	N	N
3624	LTC ATT WSI M trench 78	A ringditch with a Bronze Age or Early Iron Age pottery vessel within the ditch, West of Nevilles Farm	Medium	The asset is located within the mains works area and as a result would be completely removed.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
3625	LTC ATT WSI M	Late Medieval to Post-Medieval field system	Low	The asset would be completely removed as a result of utility working areas for multi-utility networks,	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				establishment of Long Lane Compound A, and construction of the main alignment and earthworks.											
3627	Lower Thames Crossing Archaeological Trial Trenching	Concentration of Prehistoric activity	Medium	Removal due to utilities working area	N/A due to physical removal	Archaeological excavation and recording	Moderate	Moderate adverse	N/A due to physical removal at construction.	None	No change	None	Y	Y	N
3668	LTC ATT WSI I trench 222	Assemblage of redeposited Early Neolithic flint and Bronze Age pottery	Low	Removal due to utilities diversion/working area and works associated with the re-routing of Muckingford Road.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal at construction.	None	No change	None	Y	Y	N
3669	LTC WSI I trenches 199, 200, 205, 205, 211, 225, 240	Area of dispersed undated, Early Neolithic and Bronze Age pits and ditches, south of Muckingford Road	Low	A large proportion of the asset will be removed by utility working areas and diversion works for multi-utility networks (MUT6 and MU28), Muckingford Road Utility Hub and OHL restringing works.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Slight adverse	Adverse change to its setting due to the presence of the main alignment and removal of associated archaeological remains	None	Moderate	Permanent slight adverse	N	Y	N
3670	LTC WSI I trenches 103, 107, 109, 110	Rectilinear enclosure of possible Early Medieval date south of Muckingford Road	Medium	This asset would be totally removed by the utility working area for restringing OHL and multi-utility networks and construction of the main alignment and earthworks	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent moderate adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				leading to Tilbury Viaduct.											
3671	LTC WSI I trench 109	Round barrow and possible associated flat cemetery south of Muckingford Road	Medium	This asset would be totally removed by the utility working area for restringing OHL and multi-utility networks and construction of the main alignment and earthworks leading to Tilbury Viaduct.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent moderate adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
3672	Lower Thames Crossing Archaeological Trial Trenching	Isolated and tentatively dated Roman ditch	Low	Removal due to working area for utilities.	N/A due to physical removal	Archaeological excavation and recording	Minor	Slight adverse	N/A due to physical removal at construction.	None	No change	None	Y	Y	N
3673	Lower Thames Crossing Archaeological Trial Trenching	Medieval pit and undated ditch	Low	The asset will be completely removed by Flood Alleviation Measures: Flood Compensation Area	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Slight adverse	N/A due to physical removal during construction.	None	No change	None	Y	N	N
3674	Lower Thames Crossing Archaeological Trial Trenching	Early Post-Medieval pits, ditches and possible quarry pits backfilled with waste material	Low	The asset will be completely removed by Flood Alleviation Measures: Flood Compensation Area	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal at construction.	None	No change	None	Y	N	N
3675	LTC ATT WSI I trenches 120, 121, 122, 123	Middle to Late Bronze Age occupation site with pits, ditches, pottery and fired hearth clay	Medium	This asset would be totally removed by the utility working area for restringing OHL and multi-utility networks and construction of the main alignment and	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent moderate adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				earthworks leading to Tilbury Viaduct.											
3676	LTC ATT WSI I trenches 116, 118, 115, 116, 119, 120, 121, 122	Dispersed Middle Bronze Age and undated pits and ditches	Low	This asset would be totally removed by the utility working area for restringing OHL and multi-utility networks and construction of the main alignment and earthworks leading to Tilbury Viaduct.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
3677	Lower Thames Crossing Archaeological Trial Trenching	Area of Bronze Age settlement activity	Medium	The asset will be completely removed during construction of the main route alignment	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Moderate adverse	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	Y	N	N
3678	Lower Thames Crossing Archaeological Trial Trenching	Ditch of late Prehistoric date	Low	The asset would be completely removed during the construction of the main alignment.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction.	N/A due to physical removal during construction.	N/A due to physical removal during construction.	N/A due to physical removal during construction.	Y	N	N
3679	Lower Thames Crossing Archaeological Trial Trenching	Pit of late Prehistoric date	Low	The asset would be completely removed as it is within the footprint of the utility working area and associated utility diversion works.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction.	N/A due to physical removal during construction.	N/A due to physical removal during construction.	N/A due to physical removal during construction.	Y	N	N
3680	LTC ATT	Bronze Age perpendicular ditches and pottery	Low	The asset would be completely removed during the construction of the M25 compound	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
3682	LTC ATT WSI F trench 72	Late Bronze Age or Early Iron Age possible occupation or industrial activity	Medium	The asset would be completely removed by the mains works area and the construction of the main alignment.	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3683	LTC ATT	Post-Medieval ditch and undated pit	Low	The asset would be completely removed during the construction of the M25 compound and the main alignment	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3685	LTC ATT	Roman and undated pits and ditches	Low	The asset would be completely removed during the construction of the main alignment	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3687	LTC ATT	Roman ditches	Low	The asset would be completely removed during the construction of the main alignment	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3688	LTC ATT	Ditches with 11th to 12th-century pottery and unstratified Roman pottery	Low	The asset would be completely removed during the construction of the M25 compound	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3689	LTC ATT	Medieval Enclosure	Low	The asset would be completely removed by utility diversions for multi-utility networks and construction of the main alignment.	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
3691	LTC ATT) Undated ring ditch and ditch which were truncated by ploughing	Low	The asset would be completely removed during the construction of the main alignment	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3696	LTC ATT WSI N Trenches 91, 99, 128, 130, 131, 132, 133, 135, 136	Prehistoric area of activity comprising pits and ditches	Low	Within the working area for utility diversions, causing a physical impact to a small area of the southern part of the asset.	Aural and visual impact of construction works within and immediately adjacent.	Archaeological excavation and recording	Moderate	Permanent Slight adverse	The utilities would be buried and would not create any visual intrusion during operation. The operational A122 would not be clearly visible but is likely to be audible.	None due to existing road traffic	No Change	No Change	N	Y	N
3699	LTC ATT WSI N Trenches 54, 63, 124, 127, 140	Late post-medieval field boundaries	Low	Within the working area for utility diversions, causing a physical impact to a small area of the southern part of the asset.	Aural and visual impact of construction works within and immediately adjacent.	Archaeological excavation and recording	Moderate	Permanent Slight adverse	The utilities would be buried and would not create any visual intrusion during operation. The operational A122 would not be clearly visible but is likely to be audible.		No Change	No Change	N	Y	N
3703	Lower Thames Crossing Archaeological Trial Trenching	Findspot of Mesolithic or Early Neolithic flints found residually within an undated ditch	Low	Removal due to main route alignment	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	Y	N	N
3704	LTC ATT WSI I trenches 233, 237, 238	Two undated ditches and pit or tree throw containing sherds of Late Bronze Age or	Low	Part of this asset would be removed by the utility working area and multi-utility works	Construction activity within the asset and in the vicinity	Archaeological excavation and recording	Minor	Permanent slight adverse	Adverse change to its setting due to the presence of the main alignment and	None	Moderate	Permanent slight adverse	N	Y	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
		Iron Age pottery		MUT6. The effect is considered to be minor rather than neutral due to the proportion of the asset that will be removed.					removal of associated archaeological remains						
3712	LTC ATT WSI H trenches 106, 112, 117, 118	Possible Roman agricultural activity with residual Middle Bronze Age to Iron Age potsherd and unstratified Early to Middle Neolithic potsherd	Low	The asset is located within the mains works area and as a result would be completely removed by this and also the main alignment and earthworks.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
3713	LTC ATT WSI H trenches 58, 66	Middle Bronze Age and undated possible ritual and/or domestic activity	Medium	The asset would be completely removed by utility working areas for multi-utility works and primarily by the earthworks associated with the main alignment.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Moderate adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
3721	LTC ATT WSI H trenches 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	Medieval and Post-Medieval settlement periphery activity - pits and ditches with pottery of both periods and butchered animal bones	Low	The asset would be completely by removed utility working areas for OHL, establishment of the Ockendon Road Compound and establishment of LE8.3 Woodland Mitigation Planting	N/A due to physical removal	Archaeological excavation and recording	Minor	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
3722	LTC ATT WSI H trenches 12, 13, 15, 16, 17, 19, 21, 23 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 37, 39, 40, 44, 114, 127, 128	Undated, Neolithic, Bronze Age, Iron Age, Roman and Early Medieval activity including ditches, pits, an undated pyre material deposition in a tree throw and Early Medieval pottery in a tree throw. Possible ritual activity.	Medium	The asset would be completely by removed utility working areas for OHL and multi-utility networks, establishment of the Ockendon Road Compound, construction of the main alignment and earthworks and establishment of LE8.3 Woodland Mitigation Planting	N/A due to physical removal	Archaeological excavation and recording	Moderate	Moderate adverse	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	Y	N	N
3723	Lower Thames Crossing Archaeological Trial Trenching	Spread of Neolithic pottery including pit.	Medium	Removal due to location within the main route alignment for junction with A13.	N/A due to physical removal	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Moderate adverse	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	Y		
3724	LTC ATT WSI G trench 17	Pit containing Late Bronze Age or Early Iron Age Pottery	Low	The asset would be removed by utility working area and construction of the main alignment.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	Y	N	N
3726	Lower Thames Crossing Archaeological Trial Trenching	Features dating to the late Bronze Age to Iron Age	Medium	Removal due to location within the main route alignment for junction with A13.	N/A due to physical removal	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Moderate adverse	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	Y		
3727	LTC ATT WSI G trench 176	Ditch containing Middle Bronze Age to Iron Age pottery	Low	A small proportion of this asset would be removed by enhancement of an NMU route	Construction activity within the asset and in the vicinity	Archaeological excavation and recording	Minor	Permanent slight adverse	Adverse change to its setting due to the presence of the main alignment and	None	Minor	Permanent slight adverse	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				between Heath Place and the A1013.					removal of associated archaeological remains						
3729	LTC ATT WSI G/C trenches 3, 4, 5, 6, 8, 9, 11, 13, 14, 18, 19, 20, 24, 25, 26, 27, 28, 29, 30, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 56, 57, 58, 59, 60, 61, 134, 135, 136, 137, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150	Enclosed Roman settlement, with possible Iron Age origins in north east of site, trackway to south, cremation in centre. Undated cremations in the north of the site may be Roman or later prehistoric.	Medium	A large proportion of this asset would be removed by construction works for the main alignment and utility diversion works.	Aural and visual impact of construction works within and immediately adjacent and loss of associated archaeological features of the same date.	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Moderate Adverse	The majority of the asset would have been removed but the remaining features would be affected by the presence of new road in the valley adjacent to the asset	None	Minor	Permanent slight adverse	N	N	N
3732	LTC ATT WSI G trenches 31, 32, 33, 34, 35	Ditch of probable Roman enclosure	Medium	This asset would be totally removed due to location within utilities working area	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent moderate adverse	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	Y	Y	N
3733	Lower Thames Crossing Archaeological Trial Trenching	Concentration of activity predominately of Prehistoric date but with some Anglo-Saxon to Medieval.	Medium	Removal due to location within the main route alignment for junction with A13.	N/A due to physical removal	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Moderate adverse	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	Y		
3734	Lower Thames Crossing Archaeological Trial Trenching	Pit containing 1kg of 13th to 14th century pottery.	Low	The asset would be completely removed during the construction of the main alignment.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
3735	LTC ATT WSI G trenches 8, 9, 10, 11, 12, 13, 14, 15, 22	Ditches corresponding with cropmarks of probable later prehistoric or Roman enclosures/field systems, no dating recovered	Medium	The southern half of this asset would be removed by construction of the main alignment and utility diversion works.	Construction activity within the asset and in the vicinity	Archaeological excavation and recording	Minor	Permanent slight adverse	Adverse change to its setting due to the presence of the main alignment and removal of associated archaeological remains	None	Minor	Permanent slight adverse	N	N	N
3758	Lower Thames Crossing Archaeological Trial Trenching	Undated ditch feature	Low	Removal due to utilities working area	N/A due to physical removal	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Slight adverse	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	Y		
3759	Lower Thames Crossing Archaeological Trial Trenching	Medieval to Early Medieval pit.	Low	Removal due to location within Warley Street compound	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Slight adverse	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	N/A due to physical removal at construction.	Y		
3760	Lower Thames Crossing Archaeological Trial Trenching	Undated ditch feature	Low	Removal due to utilities working area	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Slight adverse	N/A due to physical removal at construction.	None	No change	None	Y		
3762	LTC ATT WSI G trenches 5, 6, 7	Post Medieval ditches possibly related to a former building	Low	Approximately half of this asset would be removed by utility diversion works and construction of the main alignment.	Construction activity within the asset and in the vicinity	Archaeological excavation and recording	Minor	Permanent slight adverse	Small change to setting with A13 slip road located closer to asset than currently.	None	Negligible	Neutral	N	N	N
3765	LTC ATT WSI G trench 31	Ditch of probable medieval enclosure	Low	Removal due to utilities diversion/working area.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Slight adverse	N/A due to physical removal at construction.	None	No change	None	Y	Y	N
3820	LTC ATT WSI G trenches 228, 229, 230,	Earlier prehistoric flint scatters	Medium	This asset would be mostly removed by	N/A due to physical removal	Archaeological Excavation and Recording	Moderate	Permanent Moderate adverse	N/A due to physical	N/A due to physical	N/A due to physical	N/A due to physical	N	Y	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
	231, 235, 236, 237, 242, 243, 244, 245, 246, 247, 248			construction of utility diversion works.		(REAC Ref. CH001; AMS-OWSI No. 4)			removal at construction.	removal at construction.	removal at construction.	removal at construction.			
3829	LTC ATT WSI G trenches 283, 284, 285	Later Medieval enclosures including settlement and industrial activity	Low	Removal due to utilities working area	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Slight adverse	N/A due to physical removal at construction.	None	No change	None	Y	Y	N
3832	LTC ATT WSI H trenches 199 to 220	Early Bronze Age to Early Iron Age occupation and craftworking	Medium	Part of the asset would be removed by the mains works area and construction of an overbridge across the main alignment and associated earthworks. A large proportion of the asset (the western and northern parts) would remain and would be preserved by protective fencing erected during the construction phase in order to protect the buried remains of the asset from accidental damage	Works taking place within and adjacent to the asset	Archaeological excavation and recording; protective fencing during construction	Minor	Permanent slight adverse	Presence of main alignment in close proximity	Retention of existing field boundary vegetation, LE2.2 Woodland Edge planting	Moderate	Permanent moderate adverse	N	N	N
3833	LTC ATT WSI P, trenches 409	Pit containing Middle Bronze Age pottery	Low	This asset would be totally removed due to its location straddling the main works construction area and a flood	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				compensation area.											
3835	LTC ATT WSI P, trenches 487, 488, 493	Later Prehistoric occupation site, domestic and funerary activity	Medium	This asset would be totally removed by the main route alignment and due to its location inside a utility working area.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent moderate adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3836	LTC ATT WSI H trenches 89, 96, 97, 98, 100, 101, 130, 131, 132, 133, 134, 135, 136, 137, 138	Bronze Age to Iron Age settlement and ritual activity bisected by railway	Medium	The asset would be completely removed by utility working areas and multi-utility works, a utilities access route, the mains works area and Ockendon Road Compound and LE8.3 Woodland Mitigation Planting.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Moderate adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3837	LTC ATT WSI H trenches 161, 163, 166, 183, 184	Prehistoric occupation site	Low	The identified remains would be completely removed by utility working areas and multi-utility network diversions, the mains works area and construction of the main alignment and associated earthworks.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3840	LTC ATT WSI H trenches 212, 215, 216, 27, 218, 219, 220	Site of Middle to Late Roman activity (200-400AD)	Low	The asset would be completely removed as a result of the mains works area, construction the main	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Slight adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				alignment, overbridge and associated earthworks.											
3841	LTC ATT WSI P, trenches 452, 454, 455	Late Bronze Age/Iron Age/Roman occupation site	Medium	This asset would be totally removed due to location within utilities working area	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent moderate adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	Y	N
3845	LTC ATT WSI P, trenches 519, 521, 526	Possible later Prehistoric cultivation ditches	Low	Only the southern part of this asset lies within the Order Limits. The asset would be impacted by a utility works area and landscaping but would not be completely removed.	Construction activity within the asset and in the vicinity	Archaeological excavation and recording	Minor	Permanent slight adverse	Adverse change to its setting due to the presence of the main alignment and removal of associated archaeological remains	None	Moderate	Permanent slight adverse	N	N	N
3846	LTC ATT WSI H trenches 150, 151, 153, 155, 156, 157, 158, 159, 176, 180	Medieval and undated ditches with evidence for nearby arable farming	Low	This asset would be completely removed by the utility working area and multi-utility network diversions, a utility access route and construction of the main alignment and associated earthworks.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
3847	LTC ATT WSI P, trenches 306, 311	Remains of possible structure and Late Prehistoric/Roman/Medieval activity	Low	This asset would be totally removed by Medebridge construction compound (CA13).	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
3848	LTC ATT WSI H trenches 212, 213, 214, 215, 216, 219, 220, 221, 22. WSI F trenches 68, 77, 86	Early Medieval to Post-Medieval activity including Tudor kiln and pond	Medium	The asset would be completely removed as a result of the mains works area, construction of the M25 compound, the main alignment, overbridge and associated earthworks.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Moderate adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3857	LTC ATT	Mid Bronze - Mid Iron Age possible pit/enclosure	Low	The asset would be completely removed during the construction of the main alignment	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3865	LTC ATT	Roman and Early Medieval Ditches	Low	The asset would be completely removed during the construction of the main alignment, associated earthworks and landscaping (LE2.11 Woodland with Non-Native Species)	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3866	LTC ATT	Roman ditch	Low	The asset would be completely removed during the construction of the main alignment and activities within the mains works area	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3870	LTC ATT WSI F trenches 294, 297, 298, 304	Early Medieval enclosure ditches	Medium	The asset would potentially be completely removed by utility working areas for	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref.	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				a Utility Water Compound Connection and multi-utility networks and activities in the Temporary Possession of Land which covers the majority of the asset.		CH001; AMS-OWSI No. 4)									
3874	LTC ATT WSI P, trench 445	Late Bronze Age/Early Iron Age activity	Low	This asset would be totally removed due to location within utilities working area	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	Y	N
3876	LTC ATT	Late Medieval to Early Post-Medieval debris spread with 15th-16th-century brick fragments	Low	The asset would be completely removed during the construction of the M25 compound and the main alignment	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3878	LTC ATT WSI P, trench 136	Location of Mesolithic worked flint recovered from infill of periglacial feature	Low	This asset would be totally removed by construction of the main alignment A13 Junction	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
3879	LTC ATT WSI P, trench 181	Location of Mesolithic worked flint recovered from infill of Late Iron Age/Roman cultivation ditch	Low	This asset would be totally removed by construction of the main alignment A13 Junction and establishment of Environmental Design LE6 wetland habitat	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
3883	LTC ATT WSI P, trenches 253, 254, 255	Post-Medieval agricultural activity	Negligible	This asset would be totally removed by establishment of Mardyke construction compound (CA11), utilities, and construction works	N/A due to physical removal	None	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
3886	LTC ATT WSI O trench 62	Ditches Late Bronze Age - Early Iron Age possible related to trackway	Low	This asset would be totally removed by utilities work at this location	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	Y	N
3887	LTC ATT WSI O trenches 19, 24, 28	Area of possible Late Bronze Age - Early Iron Age activity two pits containing pottery but with intrusive CBM	Low	This asset would be totally removed due to location within Main Works Construction Area.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
3891	LTC ATT WSI O trench 72	Possible Roman field/enclosure system	Low	This asset would be totally removed by utilities work at this location	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	Y	N
3892	LTC ATT WSI O trenches 6, 9, 14	Possible Roman field/enclosure system	Low	This asset would be totally removed by utilities work at this location	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	Y	N
3897	LTC ATT WSI P, trenches 217, 218, 219, 230	Late Iron Age/Roman agricultural site	Low	This asset would be totally removed by construction of the main alignment A13 Junction, utilities and Environmental	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				Design LE6 wetland habitat											
3898	LTC ATT WSI P, trenches 239, 233, 234, 235, 230, 231	Post-Medieval field boundary and possible holloway	Negligible	This asset would be totally removed by construction of the main alignment A13 Junction and utilities	N/A due to physical removal	None	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
3899	LTC ATT WSI P, trenches 203, 163, 179	Linear features including Post-Medieval field boundaries	Negligible	This asset would be totally removed by construction of the main alignment A13 Junction and establishment of Environmental Design LE6 wetland habitat	N/A due to physical removal	None	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
3902	LTC ATT WSI P, trenches 374, 375, 376, 379, 382	Possible Medieval farmstead	Medium	This asset would be totally removed by the main route alignment and due to its location inside a utilities work area.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent moderate adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
3903	LTC ATT WSI Q trench 107	A late Upper Palaeolithic long blade was recorded in Trench 107 along with several other unusually large blades which may also date from this period	Medium	The location of the findspot would be completely removed by utility working areas (for OHL diversions), construction of the main alignment and the mains works area.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
3904	LTC ATT WSI Q trench 139	Findspot of a late Upper Palaeolithic long blade	Medium	The location of the findspot would be completely removed by utility working areas (for OHL diversions), construction of the main alignment and the mains works area.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3905	LTC ATT WSI Q trenches 82, 88, 89, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 107, 108, 109	A very substantial assemblage of Mesolithic flint from buried soils, later pottery or other finds also present	Medium	The majority of the asset would be removed by utility working areas for OHL diversions, establishment of utilities offline access routes, watercourse diversion plan local earthworks, and the mains works area and construction of the main alignment.	Construction works taking place within and adjacent to the asset	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	Construction of the Project would not remove the ability to appreciate the topographical context of the asset	None required	No change	Neutral	N	N	N
3906	LTC ATT WSI Q trench 113	A small scatter of struck flints of Mesolithic character on a buried land surface	Medium	The asset would be completely removed by the construction of the main alignment and associated mains works area.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3907	LTC ATT WSI Q trenches 137, 138, 139, 141, 142	Tree throw holes and pits containing Mesolithic, Neolithic and Early Bronze Age flint and Neolithic and	Medium	The asset would be completely removed by utility working areas (for OHL diversions), construction of the main	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
		later prehistoric pottery		alignment and the mains works area.											
3908	LTC ATT WSI Q trenches 171, 176, 229, 230	Findspots of Mesolithic flints	Medium	The asset would be completely removed by utility working areas for multi-utility network diversions and by landscaping (LE6.11 Water Bodies - Standing Water).	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3911	LTC ATT WSI Q trench 196	Find spot of Early Neolithic leaf shaped arrowhead	Low	The location of the findspot would be completely removed by utility working areas (multi-utility networks and OHL diversions), construction of the main alignment and the mains works area.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3914	LTC ATT WSI Q trenches 159, 161	Pits containing later Neolithic worked flint and middle Bronze Age pottery	Medium	The asset would be completely removed by utility working areas associated with OHL diversions	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	Y	N
3916	LTC ATT WSI Q trenches 40, 41, 42, 49	Bronze Age and Undated salt-making and other industrial activities	Medium	The asset would be completely removed by utility working areas, the mains works area and construction of the main alignment.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
3917	LTC ATT WSI Q trench 17	Bronze Age or Iron Age pit	Low	The asset would be completely removed by the mains works area, construction of the main alignment and landscaping (LE2.1 Native Woodland planting)	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Sight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3918	LTC ATT WSI Q trenches 151, 174, 175, 176, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 233, 234, 235, 237, 238, 239, 240, 241, 242, 243	Early or Middle Iron Age settlement activity, including some undated features that are likely to be related	Medium	The asset would be completely removed by utility working areas (multi-utility networks and OHL diversions), construction of the main alignment and the mains works area.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3920	LTC ATT WSI Q trenches 180, 181, 186, 190, 151, 191, 195, 196, 235, 238, 237, 239, 240, 242	Ditches of Roman date potentially forming enclosures	Medium	The asset would be completely removed by utility working areas (multi-utility networks and OHL diversions), construction of the main alignment and the mains works area.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3921	LTC ATT WSI Q trenches 61, 67, 68, 69, 75, 76, 77, 78	Heavily truncated Roman enclosure and outlying Prehistoric	Low	More than half of the asset would be removed by the mains works area, construction of the main alignment, a main offline	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
		pits and ditches		construction access route and establishment of an NMU route. Subsequently, landscaping would be established - LE6.41 Marsh and Wet Grassland - Coastal Grazing Marsh. Given the poor condition of the asset, long-term preservation in situ of the remaining part is not assessed to be viable, therefore the entire asset would be archaeological excavated and preserved by record.											
3922	LTC ATT WSI Q trenches 3, 5, 8, 10, 11	Low-intensity multi-period activity including Undated pits and ditches, a pit with Early Medieval pottery, pit with Roman pottery and possible Bronze Age or Iron Age craftworking and Post-Medieval track with Medieval pottery in the fill	Low	The asset would be completely removed by the mains works area, construction of the main alignment, utility working areas for multi-utility network diversions and landscaping (LE2.2 Woodland Edge NDEP mitigation)	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Sight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
3923	LTC ATT WSI Q trench 48	Three perpendicular roadside ditches containing Early Medieval to Post-Medieval pottery and roof tiles	Low	Part of the asset would be removed by utility working areas and utility diversions for multi-utility networks. The effect after mitigation is assessed as neutral rather than minor due to the scale of change to the asset.	Construction activities taking place in the vicinity of the asset	Archaeological excavation and recording	Minor	Neutral	The valley and roadside setting of the asset would still be appreciable despite the presence of the operational Project.	None required	No change	Neutral	N	N	Y
3924	LTC ATT WSI Q trench 101, 92, 93, 94, 90, 102, 82	Later medieval activity comprising a large ditch and multiple pits containing 11th-13th century pottery	Low	The majority of the asset would be removed by utility working areas for OHL diversions, establishment of utilities offline access routes, watercourse diversion plan local earthworks, and the mains works area and construction of the main alignment.	Construction works taking place within and adjacent to the asset	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	Presence of the operational Project would alter the rural setting of the asset. The effect is assessed as slight due to the scale of change.	None	Minor	Slight adverse	N	N	N
3925	LTC ATT WSI Q trenches 229, 230, 234, 238	Bone-lined drains	Low	The asset would be completely removed by utility working areas for multi-utility network diversions and by landscaping (LE6.11 Water Bodies - Standing Water).	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
3926	LTC ATT WSI Q trenches 175, 176	Poorly preserved crouched inhumation burial associated with small amount of Neolithic/late prehistoric worked flint and pottery	Medium	The asset would be completely removed by the mains works area, construction of the main alignment, and by landscaping (LE6.11 Water Bodies - Standing Water).	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3936	LTC ATT WSI P, trench 6	Late Bronze Age unurned cremation (possible cemetery)	Medium	This asset would be totally removed by a flood compensation area	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent moderate adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
3940	LTC ATT WSI P, trench 14	Iron Age timber structure possible footbridge	Medium	This asset would be totally removed by Environmental Design LE6 wetland habitat (LE6.4, LE8.5) and a flood compensation area	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent moderate adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	Y
3949	LTC ATT WSI P, trenches 487, 488, 492	Possible Roman cultivation system	Low	This asset would be totally removed by the main route alignment and due to its location inside the main works construction area.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
3952	LTC ATT WSI P, trench 281	Mesolithic / Neolithic flint assemblage	Medium	A large part of this asset would be removed due to location within main works construction area although some archaeological	None	Archaeological excavation and recording	Minor	Permanent slight adverse	Adverse change to its setting due to the presence of the main alignment (Mardyke Viaduct)	None	Moderate	Permanent Moderate adverse	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				deposits may survive											
3957	LTC ATT WSI Q trenches 27, 28, 31, 32	Undated ditches and ditch terminus or pit, Prehistoric buried soil horizons and occasional struck flint (no defined scatters)	Low	The asset would be completely removed by landscape mitigation (LE2.7 Scattered Trees)	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	Y
3959	LTC ATT WSI Q trenches 126, 127	Tree throw containing later prehistoric flint and pit containing charcoal	Medium	The asset would be completely removed by extensive utility working areas.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	Y	N
4018		Pit to north-east of Hangman's Wood, by road to Orsett - "implements" obtained from around seven feet of gravel/sand	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
4172	1865 OS mapping	Site of well	Negligible	Asset would be truncated during groundworks to establish northern tunnel entrance compound and creation of coastal grazing marsh	None	Archaeological excavation and recording	Moderate	Neutral	None	None	No change	Neutral	N	N	N
4176	1950 OS mapping	Tilbury Power Station branch railway lines	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
4177	1863 OS mapping	Sea wall	Low	Below-ground remains of the asset would be truncated during groundworks to establish northern tunnel entrance compound.	N/A due to physical impact	Archaeological excavation and recording	Moderate	Slight adverse	None	None	No change	Neutral	N	N	N
4193	1865 OS mapping	Gravel pit	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
4194	1865 OS mapping	Site of cisterns, well and engine house associated with railway	Low	Assets would be removed during groundworks to establish northern tunnel entrance compound. Assets are located adjacent to proposed route of Tilbury Viaduct.	N/A due to physical impact	Archaeological excavation and recording	Moderate	Slight adverse	None	None	No change	Neutral	Y	N	N
4195	1865 OS mapping	Infilled gravel pit at Gravel Pit Farm	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	Y	N	N
4196	1865 OS mapping	Infilled gravel pit at Gravel Pit Farm	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	Y	N	N
4197	1865 OS mapping	Infilled gravel pit at Gravel Pit Farm	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	Y	N	N
4198	1921 OS mapping	Site of railway sidings and structures at Gravel Pit Farm	Negligible	Assets would be removed during groundworks to establish northern tunnel entrance compound. Assets are located adjacent to proposed route of Tilbury Viaduct.	N/A due to physical impact	Archaeological excavation and recording	Moderate	Neutral	None	None	No change	Neutral	Y	N	N
4199	1921 OS mapping	Site of gravel pit	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
4203	1865 OS mapping	Site of infilled pond	Negligible	Asset likely to be truncated during gas utility diversion works	None	Archaeological excavation and recording	Moderate	Neutral	None	None	No change	Neutral	Y	N	Y
4204	1865 OS mapping	Site of infilled pond	Negligible	Asset likely to be truncated during gas utility diversion works and then landscaping	None	Archaeological excavation and recording	Moderate	Slight adverse	None	None	No change	Neutral	N	N	N
4205	1865 OS mapping	Site of chalk pits	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N	N	Y
4206	1864 OS mapping	Site of infilled pond	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	Y	N	Y
4207	1867 OS mapping	Site of gravel pit	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N	N	N
4208	OS mapping	Site of gravel pit	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N	N	N
4620	LTC ATT WSI R, trench 3	Two flakes of struck flint and one piece of burnt flint	Low	The site will be totally removed during construction of the Station Road Compound (CA5A)	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
4621	LTC ATT WSI R, trench 18	Findspot of redeposited piece of broken blade-like flake from a bullhead flint in good condition, found within later deposits	Low	The site will be totally removed during construction of the Station Road Compound (CA5A)	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
4622	LTC ATT WSI R, trenches 62, 66, 69	Series of parallel unmapped ditches containing a fragment of peg tile (1480 - 1800) and a	Low	The site will be totally removed during construction of the Northern Tunnel Entrance Compound (CA5)	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
		brick (1450 - 1700 but generally Tudor)													
4623	LTC ATT WSI R, trench 101	A flint surface or track beneath a buried soil deposit of possible Early Iron Age date	Low	The site would be totally removed during construction of the main alignment	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
4624	LTC ATT WSI I trenches 87, 98	Undated parallel north-south ditches (potentially a trackway) and a potentially related undated ditch to north	Low	This asset would be completely removed during multi-utility network works and construction of the main alignment	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
4625	LTC ATT WSI I trenches 17, 20	Part of a possible Bronze Age field system	Low	This asset would be completely removed during multi-utility network works, utility working area and construction of the main alignment	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
4626	LTC ATT WSI P, trenches 86, 90, 20, 72, 44, 37	Early Prehistoric to Late Prehistoric activity	High	This asset would be totally removed by main alignment, landscaping, and due to its location inside a flood compensation area. The effected is assessed as moderate	N/A due to physical removal	Archaeological excavation and recording	Major	Permanent large adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
4627	LTC ATT WSI H	Residual findspot of a Mesolithic microlith in a Prehistoric to Roman ditch	Low	The site of the asset would be completely removed as a result of the mains works area and construction of the main alignment, drainage pond and associated drainage works.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
4759	LTC ATT WSI N Trenches 10,18,21,22,25	Late post-medieval field boundaries	Low	Within the working area for utility diversions, causing a physical impact to a small area of the southern part of the asset.	Aural and visual impact of construction works within and immediately adjacent.	Archaeological excavation and recording	Moderate	Permanent Slight adverse	The utilities would be buried and would not create any visual intrusion during operation. The operational A122 would not be clearly visible but is likely to be audible.		No Change	No Change	N	Y	N
4761	LTC Aerial Mapping Survey	Cropmarks of a small partial rectilinear feature	Low	This asset would be totally removed during the establishment of the M25 Compound.	N/A due to physical removal.	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
4762	LTC ATT	Two undated pits containing charcoal and burnt flint	Low	The asset would be completely removed during the construction of earthworks associated with the main alignment.	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
4763	LTC ATT WSI F trenches 162, 163	Pair of circular enclosures, likely Bronze Age or Iron Age although	Medium	The asset would be completely removed by the mains works area and the construction of	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
		technically undated		the main alignment.											
4764	LTC ATT WSI D trenches 54, 42, 30, 31, 22, 15, 130	Discontinuous holloway/track way	Low	The asset would be totally removed by construction of the main alignment, the Brentwood Road Construction Compound and utility diversion works.	N/A due to physical removal during construction. The asset would be removed from the setting of SM6.	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
4765	LTC ATT WSI G trenches 195, 198, 200, 202	Post Medieval ditches	Low	Within the working area for utility diversions, causing a physical removal to most of the known asset. But it does survive beyond the OL.	None	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N	Y	N
4766	LTC ATT WSI G trenches 212, 214, 215, 216, 217	Ditches and quarry of probable Post Medieval date	Low	Within the working area for utility diversions, causing a physical removal to most of the known asset. But it does survive beyond the OL.	None	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N	Y	N
4767	LTC ATT WSI E trenches 18, 22, 23, 24, 29, 36	Dispersed pits, ditches and gullies, some likely Modern but some potentially of Prehistoric date, no dating evidence. Likely settlement-	Low	This asset would be completely removed by utility working areas for multi-utility networks and OHL diversions and the construction of the main alignment and associated earthworks.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
		periphery activity													
4768	LTC ATT WSI E trenches 56, 117, 118, 119, 120	Middle or Late Bronze Age dispersed pits, ditches and a posthole	Low	A small part of the asset would be removed by a utility working area and the creation of a new junction on High House Lane	Construction works taking place within and adjacent to the asset	Archaeological excavation and recording	Negligible	Neutral	Presence of new road in the valley adjacent to the asset	None	Minor	Slight Adverse	N	N	N
4769	LTC ATT WSI E trenches 76, 77, 78	Pits, ditch terminus and tree throws	Low	The asset would be completely removed by utility working areas for multi-utility networks and OHL diversions and the construction of the main alignment and associated earthworks.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
4770	LTC ATT WSI E trench 155	Findspot of Late Mesolithic rod microlith, residual within a later ditch	Low	The site of the asset would be completely removed by utility working areas for multi-utility networks	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	Y	N
4771	LTC ATT WSI Q trenches 140, 163, 164, 166, 167	Several Undated and Prehistoric features including a pond, ditches forming a field system or enclosure and a pit	Low	The asset would be completely removed by the construction of the main alignment.	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
4772	LTC ATT WSI Q trenches 202, 207, 208, 213, 218, 223	Medieval perpendicular ditches and a pit	Low	The asset would be completely removed by utility working areas for OHL diversions,	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref.	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect	Completely Removed?	Utility impact only?	Landscape impact only?
				establishment of an offline mains works construction access route, the mains works area, and construction of the main alignment.		CH001; AMS-OWSI No. 4)				during construction	during construction	during construction			
4773	LTC ATT WSI Q trench 216	Ditch terminus	Low	The asset would be removed by utility working areas for multi-network utility and OHL diversions, the mains works area and construction of the main alignment.	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
4774	LTC ATT WSI Q trench 226	Pit containing CBM fragment	Low	The asset would be removed by utility working areas for multi-network utility and OHL diversions, the mains works area and construction of the main alignment.	N/A due to physical removal during construction	Archaeological Excavation and Recording (REAC Ref. CH001; AMS-OWSI No. 4)	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

Table 1.7 Non-designated Archaeology outside the Order Limits assessment table: North of the River Thames

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
8	MEX1031055	Cropmarks	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
10	MEX1031234	East of the Decoy	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
14	MEX1032105	Land east of Sabina Road, Chadwell St. Mary	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
17	MEX1032122	East or West Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
19	MEX1032217	Orsett Causewayed Enclosure	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
20	MEX1032218	Grey Goose Farm, Thurrock	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
23	MEX1032255	5 The Goslings, Orsett	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
27	MEX1032322	William Edwards School	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
28	MEX1032446	William Edwards School	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
33	MEX1032743	William Edwards School	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
35	MEX1032823	WWI landing ground at Horndon on the Hill	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
36	MEX1032827	WWI landing ground at North Ockendon	Low	None	None, Project would not affect long range views.	None	No change	Neutral	None	None	No change	Neutral
40	MEX1032843	Great Warley Historic settlement	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
41	MEX1032844	Rectory, Great Warley (site of)	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
44	MEX1032994	Bata Estate - Factory and Model Settlement	Part of East Tilbury Conservation Area (CA6)	See CA6	See CA6	See CA6	See CA6	See CA6	See CA6	See CA6	See CA6	See CA6
45	MEX1033028	Orsett Union Workhouse	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
52	MEX1034095	Land to the North of Riverside Station, Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
53	MEX1034114	Heraldic Horse Mount	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
54	MEX1034115	Gold Ring and Iron Age Stater	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
63	MEX1036414	HCF: Horndon - Tilbury (Coalhouse Fort) Gas Pipeline.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
65	MEX1036416	HCF: Horndon - Tilbury (Coalhouse Fort) Gas Pipeline.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
69	MEX1036422	HCF: Horndon - Tilbury (Coalhouse Fort) Gas Pipeline.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
70	MEX1036479	Grangewaters, South Ockendon	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
73	MEX1036566	Findspot on the Epping-Horndon Gas Pipeline	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
74	MEX1036567	Findspot on the Epping-Horndon Gas Pipeline	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
75	MEX1036569	Findspot on the Epping-Horndon Gas Pipeline	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
88	MEX1037278	Brickworks at North Ockendon	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
93	MEX1037738	Biosolids Dryer at Tilbury sewage works	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
101	MEX1038727	Warley Hill, Warley Road, Havering	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
106	MEX1039718	Tilbury Power Station Archaeological evaluation and monitoring report	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
111	MEX1040412	Tilbury Pond Wildlife Site, Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
112	MEX1040423	Mill of unknown type at Bulphan	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
115	MEX1040564	South Ockendon Congregational Chapel and associated cemetery	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
120	MEX1041055	Junction of Blue Anchor Land and Muckingford Road, West Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
122	MEX1041229	Observation Post (destroyed), Blankets Farm, Bulphan	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
124	MEX1041234	WWII HAA Gun Site 'TN14 Orsett', NW of Orsett, Thurrock	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
126	MEX1041236	Allan-Williams Turret (destroyed), Chapel Field, Orsett	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
137	MEX1041252	Six Air Raid Shelters (destroyed), between railway and Tilbury Fort	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
140	MEX1041498	A Portable Antiquities Scheme findspot of unknown date.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
143	MEX1042100	East Tilbury Marsh	Part of SM14	None	None	None	No change	Neutral	None	None	No change	Neutral
146	MEX1042207	Grey Goose Farm Cottage, Orsett, Essex	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
147	MEX1042208	Heath Place, Hornsby Lane, Orsett, Grays, Essex	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
149	MEX1043327	A Portable Antiquities Scheme findspot of unknown date.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
150	MEX1043328	A Portable Antiquities Scheme findspot of unknown date.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
151	MEX1043341	A Portable Antiquities Scheme findspot of unknown date.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
152	MEX1043347	A Portable Antiquities Scheme findspot of unknown date.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
153	MEX1043348	A Portable Antiquities Scheme findspot of unknown date.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
154	MEX1044018	A Portable Antiquities Scheme findspot of Medieval date.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
155	MEX1044080	A Portable Antiquities Scheme findspot of Medieval date.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
163	MEX1049310	Lambourne House, North Road, South Ockendon	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
176	MEX17492	North Ockendon	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
177	MEX17493	Baldwin's Farm	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
180	MEX17510	Little Belhus Farm Pit	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
183	MEX17560	Near Belhus Woods Country Park	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
185	MEX17603	East of South Ockendon	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
198	MEX17696	South Ockendon Hall - 'The Mount'	Low	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
199	MEX17697	South Ockendon Hall - 'The Mount'	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
200	MEX17698	South Ockendon - Great Mollands Lane	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
201	MEX17701	South Ockendon - Great Mollands Lane	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
208	MEX17774	Orsett-Causewayed Enclosure	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
209	MEX17775	Orsett	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
214	MEX17786	South Ockendon	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
215	MEX17792	Stifford Clays-Primrose Island	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
216	MEX17804	Stifford Clays-Primrose Island	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
217	MEX17812	Stifford Clays-Primrose Island	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
218	MEX17818	Stifford Clays-Primrose Island	Medium	None	Construction activity would affect relationship between this asset and associated ones nearby	None	Negligible	Slight adverse	None	None	No change	Neutral
220	MEX17900	Orsett-Barrington's Farm, Loft's Farm	Medium	None	Construction activity would affect relationship between this asset and associated ones nearby	None	Negligible	Slight adverse	None, following completion of the utility diversion works the construction phase impact through change to setting would be reversed.	None	No change	Neutral
223	MEX17940	Stifford Clays	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
230	MEX17973	Blankets	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
234	MEX18007	Holme Farm, Bulphan Fen	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
244	MEX18050	Near William Edwards School	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
256	MEX18121	Orsett-Baker Street Pit	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
261	MEX18157	East of Baker Street	Low	None	Construction activity would affect relationship between this asset	None	Negligible	Slight adverse	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
264	MEX18174	South of South Ockendon Hall	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
265	MEX18185	North of South Ockendon Hall	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
266	MEX18190	South Ockendon Windmill	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
268	MEX18205	West of Mill House	Low	None	Construction activity would affect relationship between this asset and associated ones nearby	None	Negligible	Slight adverse	None	None	No change	Neutral
269	MEX18208	Orsett-High Road, Village Lock-up or Cage	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
277	MEX28558	Orsett Causewayed Enclosure	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
278	MEX28562	Orsett Causewayed Enclosure	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
279	MEX28563	Orsett Causewayed Enclosure	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
280	MEX28712	Field West of St Catherine's Church, Thurrock	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
281	MEX28713	Field West of St Catherine's Church, Thurrock	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
282	MEX28714	Field West of St Catherine's Church, Thurrock	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
285	MEX28721	East Tilbury - Quarry and Field east of St Catherine's Church	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
286	MEX28725	St Catherine's Church Cemetery, East Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
298	MEX31791	WWII HAA Gun Site "TN15 Chadwell", Thurrock	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
308	MEX31805	Road Barrier (destroyed), Nr Level Crossing, Fort Road, West Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
309	MEX31806	Turret (destroyed), Allotments, Fort Road	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
310	MEX31807	Road Barrier (destroyed), Cooper's Lane, West Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
311	MEX31809	Road Barrier (destroyed), Rectory Road, West Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
315	MEX31813	Spigot Mortar Pit, corner of field, St. James Church, West Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
316	MEX31814	Spigot Mortar Pit, Church Road, West Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
317	MEX31815	Spigot Mortar Site (destroyed), Manor Farm, West Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
322	MEX31821	Site of Alan-Williams Steel Turret, Love Lane/Princess Margaret Road	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
329	MEX38154	Mucking: Mesolithic	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
340	MEX39591	The Paddock, Orsett	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
341	MEX39618	Emmanuel Church, Chadwell St. Mary	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
345	MEX39663	Cropmarks N of Linford Road	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
351	MEX39688	Cropmarks to SE of Old House Wood	Low	Recorded features outside Application Site	None	None	No change	Neutral	None	None	No change	Neutral
353	MEX39806	Cropmarks in grounds of South Ockendon Hospital	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
354	MEX39809	Cropmarks S of William Edwards Comprehensive School	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
362	MEX39864	Cropmark S of Freeman's Shaw	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
367	MEX41073	Hobbs Hole, Codham Hall Estate, Great Warley	Low	Recorded features have been	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
				removed and cannot experience a physical impact.								
368	MEX41456	Sandy Lane, Chadwell St Mary	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
369	MEX41474	West Tilbury -Gun Hill	Medium	No physical impact.	None	None	No change	Neutral	None	None	No change	Neutral
370	MEX42068	South Ockendon Hospital, South Road	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
376	MEX43028	Horndon to Barking Gas Pipeline - Site 2	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
377	MEX43030	Horndon to Barking Gas Pipeline - Site 2	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
378	MEX43034	Horndon to Barking Gas Pipeline - Site 3	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
381	MEX43040	Horndon to Barking Gas Pipeline - Site 6	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
383	MEX43043	Horndon to Barking Gas Pipeline - Site 7	Low	None	Construction activity would affect relationship between this asset and associated ones nearby	None	Negligible	Slight adverse	None	None	No change	Neutral
387	MEX5919	East Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
388	MEX5920	East Tilbury	Negligible	None	Small change during construction of ecological mitigation area	None	Negligible	Neutral	None	None	No change	Neutral
392	MEX5948	St Mary's Hospital, East Tilbury	Medium	None	Small change during construction of ecological mitigation area	None	Negligible	Neutral	None	None	No change	Neutral
393	MEX6006	East Tilbury	Low	None	Small change during construction of ecological mitigation area	None	Negligible	Neutral	None	None	No change	Neutral
394	MEX6010	East Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
395	MEX6015	Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
397	MEX6022	Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
399	MEX6028	East Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
405	MEX6090	East Tilbury Foreshore	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
406	MEX6091	East Tilbury Foreshore	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
408	MEX6093	East Tilbury Marshes	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
409	MEX6094	East Tilbury	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
411	MEX6098	West Tilbury - Condoover's Pit	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
416	MEX6192	Orsett - Orsett Heath, Greyhound Lane	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
423	MEX6214	Orsett - Orsett Heath, Pit west of Greyhound Lane	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
433	MEX6254	West Tilbury - Foreshore	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
434	MEX6255	West Tilbury	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
437	MEX6264	East Tilbury - East Tilbury Place	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
438	MEX6272	East Tilbury - Near Picon's Pit	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
439	MEX6275	Church of St Margaret, now St Katherine, East Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
440	MEX6279	East Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
454	MEX6401	High House Lane, Chadwell St Mary	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
456	MEX6409	East of West Tilbury	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
464	MEX6455	West Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
466	MEX6469	Find from Tilbury Fort, West Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
468	MEX6475	West Tilbury - Gun Hill	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
471	MEX6489	West Tilbury - Gun Hill	Medium	The asset of the recorded cropmarks does not extent into the OLs, no physical impact.	Utility works would cause small change to the setting but would not affect significance.	None	No change	Neutral	None	None	No change	Neutral
472	MEX6505	West Tilbury - Gun Hill	Medium	The Application Site covers a very small area on the eastern side	Utility works would cause small change to the setting but would not affect significance.	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
				of the recorded cropmarks, no physical impact.								
473	MEX6510	West Tilbury - Gun Hill	Medium	The Application Site covers a very small area on the eastern side of the recorded cropmarks, no physical impact.	Utility works would cause small change to the setting but would not affect significance.	None	No change	Neutral	None	None	No change	Neutral
474	MEX6513	West Tilbury - Gun Hill	Medium	The Application Site covers a very small area on the eastern side of the recorded cropmarks, no physical impact.	Utility works would cause small change to the setting but would not affect significance.	None	No change	Neutral	None	None	No change	Neutral
475	MEX6518	West Tilbury - Gun Hill	Low	The Application Site covers a very small area on the eastern side of the recorded cropmarks, no physical impact.	Utility works would cause small change to the setting but would not affect significance.	None	No change	Neutral	None	None	No change	Neutral
476	MEX6520	West Tilbury - Gun Hill	Low	The Application Site covers a very small area on the eastern side of the recorded cropmarks, no physical impact.	Utility works would cause small change to the setting but would not affect significance.	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
480	MEX6533	West of High House	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
481	MEX6535	Linford	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
483	MEX6544	Orsett - (see 1801 for cropmarks)	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
485	MEX6551	Chadwell St Mary	Low	Recorded features outside Application Site	None	None	No change	Neutral	None	None	No change	Neutral
486	MEX6555	Chadwell St Mary	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
488	MEX6558	East Tilbury - Ferris Aggregate Gravel Pit	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
489	MEX6567	West Tilbury Marsh	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
491	MEX6583	Orsett Heath	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
492	MEX6587	Orsett - Heath Farm	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
495	MEX6600	East Tilbury	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
500	MEX6629	Tilbury	Medium	Recorded features outside Application Site	Earthworks to the south of the North Portal would cause further land raising but the setting has already been greatly altered by current landfill.	None	Negligible	Slight adverse	Earthworks to the south of the North Portal would cause further land raising but the setting has already been greatly altered by current landfill.	None	Negligible	Slight adverse
504	MEX6644	Orsett	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
505	MEX6648	Orsett	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
506	MEX6657	Orsett	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
515	MEX6818	South Ockendon Hall-Mound South of	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
516	MEX6823	South Ockendon Hall-Mound South of	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
518	MEX6835	South Ockendon Hall-Mound South of	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
519	MEX6858	Bulphan-Downes Farm or Spinny Farm	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
523	060363/00/00	Fen Lane, North Ockendon	Low	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
528	060454/03/00	Ockendon Road, North Ockendon, Havering [Post-Medieval ice house]	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
537	060462/01/00	Beredens Lane, Cranham	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
538	060462/02/00	Beredens Lane, Cranham	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
539	060464/03/00	Beredens Lane, Cranham	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
545	061034/00/00	Beredens Lane, Cranham	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
546	061037/00/00	Folkes Lane Cranham	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
547	061038/00/00	Pike Lane, Cranham	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
550	061044/00/00	Folkes Lane, Cranham	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
554	061053/00/00	Clay Tye Road, Great Warley	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
555	061057/00/00	St Marys Lane, Great Warley	Low	None	Visual and aural impact of construction would affect rural aspect of setting but would not affect the associated features with which it has a relationship.	None	Negligible	Slight adverse	None	None	No change	Neutral
556	061071/00/00	Fen Lane, North Ockendon	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
560	062181/00/00	2 Hall Farm North Ockendon	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
561	062262/00/00	Ladyville Lodge	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
564	062742/00/00	Ockendon Road, Hall Farm	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
566	062834/00/00	Church La	Medium	None	Visual and aural impact of construction would affect rural aspect of setting but would not affect the associated features with which it has a relationship.	None	Negligible	Slight adverse	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
567	062844/00/00	Broadfields Farm	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
568	062845/00/00	Broadfields Farm	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
569	062846/00/00	Broadfields Farm	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
570	062847/00/00	Broadfields Farm	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
571	062848/00/00	Broadfields Farm	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
572	062849/00/00	Broadfields Farm	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
576	211323/02/001	Church Lane, North Ockendon	Low	None	Visual and aural impact of construction would affect rural aspect of setting but would not affect the associated features with which it has a relationship.	None	Negligible	Slight adverse	None	None	No change	Neutral
578	211410/02/00	St Marys Lane, Upminster	Low	None	Visual and aural impact of construction would affect rural aspect of setting but would not affect the associated features with which it has a relationship.	None	Negligible	Slight adverse	None	None	No change	Neutral
592	MLO100816	Pike Lane, Upminster, Havering [Possible prehistoric linear cropmark]	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
593	MLO100817	Pike Lane, Upminster, Havering [Possible prehistoric ditched enclosure]	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
603	MLO104564	Nags Head Lane/Warley Road [Tylers Common] Havering [Common land]	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
608	MLO144	Fen Lane, North Ockendon, Havering [undated cropmarks]	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
610	MLO54550	Church Lane, North Ockendon, Havering [probable Post-Medieval moat]	Medium	None	Visual and aural impact of construction would affect rural aspect of setting but	None	Negligible	Slight adverse	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
					would not affect the associated features with which it has a relationship.							
612	MLO5871	Fen Lane, North Ockendon, Havering [Post-Medieval post mill]	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
614	MLO75999	Great Barn	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
617	MLO76902	Great Barn	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
618	MLO76903	Great Barn	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
619	MLO76918	Hall Farm, North Ockendon (including farmhouse 573 and well 620)	Medium	None	Visual and aural impact of construction would affect rural aspect of setting but would not affect the associated features with which it has a relationship.	None	Negligible	Slight adverse	None	None	No change	Neutral
624	MLO99045	Clay Tye Road, Pike Lane, [area between, undated ditches and possible pits]	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
630	413468	A Romano British pottery kiln at Condoovers Pit, Saxon and Medieval pottery and a circular cropmark.	Low	None	Visual and aural impact of construction would affect rural aspect of setting but would not completely alter it.	None	Negligible	Slight adverse	None	None	No change	Neutral
634	413478	`U' earthwork.	Low	None	Minor changes during construction activity but would not affect value	None	No change	Neutral	None	None	No change	Neutral
636	413481	`U' enclosure.	Low	None	Minor changes during construction activity but would not affect value	None	No change	Neutral	None	None	No change	Neutral
639	413486	Iron Age and Roman pottery associated with areas of burnt material and ditches recorded on the foreshore.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
640	413488	Palaeolithic implements including one handaxe, 11 retouched flakes and six flakes, Tilbury and West Tilbury.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
642	413490	Roman burials with bronze and iron bracelets, West Tilbury.	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
646	413497	Four Acheulian hand axes and flakes possibly Palaeolithic, Gun Hill. Possible Mesolithic flint flakes, a leaf-shaped arrowhead and scrapers.	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
647	413503	Palaeolithic flakes found in gravel pit.	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
648	413504	A Roman pedestal urn, Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
659	413573	`U' buckle.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
662	413590	Anglo-Saxon bronze bowl.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
681	414133	Pottery of possible Roman date	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
683	414144	Iron Age pots; `U' spur.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
684	414148	Documented site of a Romano-British double ditched enclosure.	Low	None	Construction activity would affect relationship between this asset and associated ones nearby	None	Negligible	Slight adverse	None	None	No change	Neutral
687	414162	The faint cropmarks of a circular enclosure, circa 70 metres in diameter.	Medium	None	Construction activity would affect relationship between this asset and associated ones nearby	None	Negligible	Slight adverse	None	None	No change	Neutral
689	498133	Windmill documented on the Orsett tithe Map of 1758.	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
691	502039	Ockendon Station	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
700	621829	Roman briquetage	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
710	965453	Iron Age and Roman enclosed settlement consisting of two	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
		rectangular enclosures and two small ditched enclosures										
711	965468	Medieval and Post-Medieval house and dovecote, Stubbers, North Ockendon.	Low	None	Negligible adverse through increase of construction activity along Ockendon Road however, immediately rural character maintained to east.	None	Negligible adverse	Neutral	None	None	No change	Neutral
725	1143781	A Palaeolithic handaxe, Piggs Pit, Chadwell Saint Mary, east of Sandy Lane	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
726	1143782	Palaeolithic implements including 115 handaxes, two roughouts and six flakes, Chadwell Saint Mary or Chadwell	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
729	1145511	Palaeolithic implements including four handaxes, one retouched flake and nine flakes, Orsett and Orsett Heath	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
740	1375151	The remains of a timber and concrete jetty, on the eastern bank of the River Thames and south-east of the village of East Tilbury.	Part of SM14	None	None	None	No change	Neutral	None	None	No change	Neutral
749	1478888	Ground Controlled Interception Station 40g	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1683	1143573	A 3 rd and 4 th century Roman building and a Medieval rectangular enclosure were excavated at Cherry Orchard Farm, Orsett, in 1964.	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
1710	MEX17760	Orsett	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1711	MEX17946	Orsett-North of Maltings Lane	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1712	MEX17963	Orsett-Orsett Hall-North Boundary	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
1713	MEX18042	Orsett-Cherry Orchard Farm	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1714	MEX18043	Orsett-Cherry Orchard Farm	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1715	MEX18044	Orsett-Cherry Orchard Farm	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1740	414146	Palaeolithic handaxes were found at Orsett no date or exact provenance of find is known.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1766	ELO1224	Rose Cottage Farm - two medieval rings registered as treasure.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1788	AP mapping new	Cropmarks of extensive former field boundaries forming a lost field system, many of these features are visible on the 1 st edition OS mapping of the 1880s	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1791	AP mapping new	Cropmarks of a probable field system, some are visible on 1 st edition OS mapping of the 1880s, but other boundaries that contribute to the field system are not visible. An incomplete rectangular enclosure, 54m by 36m of an unknown date and function	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1792	AP mapping new	Extensive former field boundaries forming a lost field system, these features are visible on the 1 st edition OS mapping of the 1880s	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1793	AP mapping new	Cropmark of a linear ditch with right angle at eastern end. This cropmark could represent an incomplete rectangular cropmark enclosure of unknown date and function.	Low	This location would be impacted by northern tunnel entrance compound. Low potential	None	None	Negligible	Slight adverse	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
				for buried remains as asset has likely been removed.								
1796	AP mapping new	Continuation on the north side of the railway of the earthworks consisting of a ditch on either side of a central track to form a driveway from the settlements on the ridge above the marsh (Site 58).	Low	None	Some change due to construction activity, but relationship with associated features south of railway has already been affected by severance and change due to landfill.	None required	No change	Neutral	None	None	No change	Neutral
1806	AP mapping new	Cropmarks of a possible incomplete circular enclosure of an unknown date. The cropmark is truncated by trees	Low	None	Visual and aural impact of construction would affect rural aspect of setting but would not completely alter it.	None	Negligible	Slight adverse	None	None	No change	Neutral
1807	AP mapping new	Cropmarks of a possible ring-ditch 32m in diameter. Located to the north of the Grey Goose Farm Scheduled Site.	Medium	None	Construction activity would affect relationship between this asset and associated ones nearby	None	Negligible	Slight adverse	None	None	No change	Neutral
1827	North Ockendon tithe map of 1841	House shown on the 1841 tithe map of North Ockendon but not on the OS map of 1872. Owned by Richard Benyon of Ockendon Hall. May explain cropmarks in this area as recorded by Place Services 2019 - site 30.	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1887	MEX1041253	ARP shelter / Guard post, Tilbury Fort	Part of SM13	None	None	None	No change	Neutral	None	None	No change	Neutral
1891	MEX31803	Spigot Mortar Base, NW Bastion, Tilbury	Part of SM13	None	None	None	No change	Neutral	None	None	No change	Neutral
1892	MEX31804	Spigot Mortar Base, SE Bastion, Tilbury Fort	Part of SM13	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
1893	MEX31822	Radar Tower, Coalhouse Point	Part of SM14	None	None	None	No change	Neutral	None	None	No change	Neutral
1894	MEX31824	Spigot Mortar Pedestals (2) at Coalhouse Fort	Part of SM14	None	None	None	No change	Neutral	None	None	No change	Neutral
1895	MEX31830	Tett Turret (destroyed), Coalhouse Fort	Part of SM14	None	None	None	No change	Neutral	None	None	No change	Neutral
1896	MEX31832	Minefield Control Tower at Coalhouse Fort	Part of SM14	None	None	None	No change	Neutral	None	None	No change	Neutral
1897	MEX31833	Concrete Building, Coalhouse Fort	Part of SM14	None	None	None	No change	Neutral	None	None	No change	Neutral
1898	MEX6347	East Tilbury - Coalhouse Fort	Part of SM14	None	None	None	No change	Neutral	None	None	No change	Neutral
1899	MEX6352	East Tilbury - Coalhouse Point, Site of 1540 blockhouse	Part of SM14	None	None	None	No change	Neutral	None	None	No change	Neutral
1900	MEX6355	East Tilbury - Coalhouse Fort, Quick Firing Battery	Part of SM14	None	None	None	No change	Neutral	None	None	No change	Neutral
1901	MEX6359	East Tilbury - Coalhouse Fort, Quick Firing Battery	Part of SM14	None	None	None	No change	Neutral	None	None	No change	Neutral
1902	MEX6361	East Tilbury - Coalhouse Fort	Part of SM14	None	None	None	No change	Neutral	None	None	No change	Neutral
1903	MEX6378	East Tilbury - Coalhouse Fort	Part of SM14	None	None	None	No change	Neutral	None	None	No change	Neutral
1912	MLO109076	Church Lane [St Cedd's Well] North Ockendon Havering [Spring and Shrine]	Medium	None	Visual and aural impact of construction would affect rural aspect of setting but would not affect the associated features with which it has a relationship.	None	Negligible	Slight adverse	None	None	No change	Neutral
2010	MLO109158	Church Lane, North Ockendon, [St Mary Magdalene's Churchyard, Havering, RM14 3QH [medieval churchyard]	High	None	Sited adjacent to the Order Limits east of the M25 and surrounded by the Order Limits in all directions, construction activity may cause temporary changes to the setting of this asset by	None	Minor	Slight adverse	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
2018	MEX1032042	Chadwell St Mary County Primary School	Low	Recorded features have been removed and cannot experience a physical impact.	None	None	No change	Neutral	None	None	No change	Neutral
2020	MEX1032172	WWII anti-aircraft ditches N of Little Thurrock Marshes	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
2049	MEX1041256	Military Camp (destroyed), junction with St. Chad's Road / Feenan Highway, Tilbury	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
2050	MEX1043326	A Portable Antiquities Scheme findspot of unknown date.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2058	MEX1049924	Fen Farm, Orsett Fen	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
2063	MEX1049929	Old Barn, Ockendon	Low	None	Change to rural setting during construction, but would not affect all associated rural land	None	Minor	Slight adverse	None	None	No change	Neutral
2064	MEX1049933	Heath Farm Cottages	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
2086	MEX18203	Near Great Palmer's Shaw	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
2091	MEX28709	Near Dame Elyns	Low	None	Construction activity would affect relationship between this asset and associated ones nearby.	None	Negligible	Slight adverse	None	None	No change	Neutral
2100	MEX31796	Spigot Mortar Site (destroyed), OS138 Grassland E of Chadwell	Part of 2049	None	None	None	No change	Neutral	None	None	No change	Neutral
2101	MEX31797	Tett Turret (destroyed), S of Chadwell St. Mary	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
2103	MEX31799	Spigot Mortar Site (destroyed), N of Cross Keys Inn, Chadwell	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2111	MEX39807	Cropmark S of Middle Farm	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
2112	MEX39824	Cropmarks W of Stifford Clays Farm House	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
2113	MEX39856	Cropmark N of Bonnygate Wood	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2120	MEX5916	Tilbury	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2129	MEX6047	Tilbury Fort, West Tilbury	Part of SM13	None	None	None	No change	Neutral	None	None	No change	Neutral
2137	MEX6206	Rectory, Chadwell St Mary	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2151	MEX6529	West Tilbury - Gun Hill	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3551	OS maps	Middle Farm. Shown on the first edition OS map of 1872. Demolished in the later 20 th century.	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
3697	ATT WSI N	Roman ditch and pit settlement activity	Medium	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
3698	ATT WSI N	Late Saxon and med activity	Medium	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
3700	ATT WSI N	Pond	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
3725	LTC ATT WSI G trenches 170, 169, 184	Ditch containing Late Bronze Age/iron Age pottery and piece of perforated fired clay slab/plate of late Bronze Age date	Low	No change	Construction of main alignment to south and A13 slip roads to north would introduce aural and visual intrusion.	None	Negligible	Temporary Slight adverse	The operational alignment would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Minor	Slight adverse
3731	LTC ATT WSI G trench 172	Ditches of possible boundary and trackway of possible Roman date	Low	No change	Construction of main alignment to south and A13 slip roads to north would introduce aural and visual intrusion.	None	Negligible	Temporary Slight Adverse	The operational alignment would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Minor	Slight adverse

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
3759	ATT WSI N	Medieval Pit	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
3760	ATT WSI N	Undated ditch	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
3766	LTC ATT WSI G trench 186	Ditch containing early Roman pottery	Low	No change	Construction of main alignment to south and A13 slip roads to north would introduce aural and visual intrusion.	None	Negligible	Temporary Slight adverse	The operational alignment would impede the understanding of the relationship between this asset and contemporary features nearby.	None	Minor	Slight adverse
3885	LTC ATT WSI O trenches 87, 88, 91, 92, 93, 96, 97, 98, 99, 101, 102, 103, 104	Multi-period site containing activity from Mesolithic, Neolithic, Late BA-Early IA, Late IA,- Roman, Mid-Late Roman, Saxon, Late Medieval	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
3895	LTC ATT WSI O trench 83	Post medieval ditch corresponded with a field boundary depicted on the 1888-1913 OS map	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4184	1863 OS mapping	Site of Tilbury Railway Station	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4409	Lower Thames Crossing – identified from Google aerial imagery	Wreck site on northern foreshore of Thames (West)	Medium	None	None	None required	No change	Neutral	None	None	No change	Neutral
4410	Lower Thames Crossing – identified from Google aerial imagery	Wreck site on northern foreshore of Thames (East)	Medium	None	None	None required	No change	Neutral	None	None	No change	Neutral
4593	MEX1034098	Croyton to Mucking, Mobil Power Cogeneration Gas Pipeline Project	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4615	MEX1035551	Road barrier (destroyed), Great Ropers Lane, Warley	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4616	MEX1035554	Road barrier (destroyed), Warley Lea, Warley	Low	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
4617	MEX1035556	Road barrier (destroyed), Pump Farm Warley Gap, Great Warley	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4618	MEX1042712	A Portable Antiquities Scheme findspot of Late Neolithic to Early Medieval date	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2090	MEX22240	Moated manorial site	Medium	None	Visual and aural impact of construction would affect rural aspect of setting but would not affect the associated features with which it has a relationship.	None	Temporary Negligible	Temporary Slight adverse	None	None	No change	Neutral

Table 1.8 Non-designated Archaeology outside the Order Limits assessment table: Within the River Thames

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
62	MEX1036402	Tilbury landing stage and passenger terminal	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
409	MEX6094	East Tilbury	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
501	MEX6630	Tilbury Foreshore	Negligible	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
670	413725	Alleged site of a deserted Medieval village at Denton.	Negligible	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
740	1375151	The remains of a timber and concrete jetty, on the eastern bank of the River Thames and south-east of the village of East Tilbury.	Part of SM14	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
745	1458810	1738 wreck of English cargo or fishing vessel	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
824	1587044	DRAGON	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
1354	TQ 67 NE 54	Triumph, Thames foreshore, by Shorne Marshes	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
1355	TQ 67 NE 57	Mary Ann	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
1356	TQ 67 NE 58	Cleopatra	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
1357	TQ 67 NE 60	Jane duff	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
1358	TQ 67 NE 61	Jane Filmer	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
1359	TQ 67 NE 63	Jessie	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
1360	TQ 67 NE 64	Autumn	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
1361	TQ 67 NE 65	Vectis	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
3303	TQ 67 SE 1021	Barrage balloon, with submerged mooring in Thames, by East Court Marshes, Gravesend	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
4215	TQ 67 NE 46	Stamped Roman Mortarium, Thames foreshore, by Higham Marshes	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
4247	MKE67212	Neolithic flint lithic implement	Negligible	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
4250	MKE67312	Roman ceramic vessel	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
4251	MKE67313	Roman pottery vessel	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
4252	MKE67314	Roman pottery vessel	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
4253	MKE67315	Roman sedimentary rock whetstone	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral
4260	MKE67467	ceramic vessel	Low	No change	No change	None	No change	Neutral	No change	None	No change	Neutral

Table 1.9 Registered parks and gardens assessment table

Project ID	List entry	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation impact	Operation mitigation	Operation impact2	Operation effect
RPG1	1000182	Cobham Hall	II*	High	During the construction phase, a cycleway would be constructed along the northern edge of RPG1 parallel to HS1 and the park boundary (partially along an existing PRow) (Application Document 6.2, Figure 6.6, Viewpoint S-(CH)02), which would result in the removal of small areas of trees and vegetation immediately to the south of HS1 and to the east and west of Brewers Road within RPG1. Multiple utility works would take place along Brewers Road and Halfpence Lane within RPG1 but would not cause removal of trees within the park. Other multi-purpose utility works would take place within the park south of the A2, east and west of Park Pale, and a Park Pale-A2 link would be	Long-term online main construction routes would be present along the A2 and M3. Construction activity would take place along the A2 and the Brewers Road overbridge would be replaced. The visual impact of construction activity along the A2 would be mitigated by the use of hoarding of a sensitive appearance, such as a plain and dark green style (REAC Ref CH001; AMS-OWSI No. 1, Application Document 6.3).	The impact of construction activity adjacent to Brewers Road would be mitigated by the use of hoarding of a sensitive appearance, such as plain and dark green (REAC Ref CH001; AMS-OWSI No. 1). Archaeological excavation and recording would also take place during groundworks within RPG1 to mitigate the physical impact to below-ground archaeological remains associated with RPG1, such as the park pale. Vegetation replanting west of Park Pale to restore the screening of the A2 (Linear Belt Shrubs and Trees LE2.4).	Minor	Permanent slight adverse	RPG1 would be impacted by the presence of the widened A2 and realigned Thong Lane and Brewers Road bridges over the A2, which border the northern edge of the park. The reduction in vegetation along the northern edge of the park with the loss of trees from the centre of the A2 corridor, and the increase in the size of the existing infrastructure corridor in this location would increase the visibility of modern infrastructure within and immediately adjacent to the Registered Park and Garden. According to the LVIA Chapter 7 Appendix 7.9, Table 3.3 (Application Document 6.3) there would be “a perceived change in the night-time environment” within the Local Landscape Character Area that includes Cobham Park “due to the change in street lighting (LED luminaires). Installed on lower columns, emitting reduced light spill and skyglow compared with the existing luminaires, the prominence of new lighting would be limited and perceived in the context of existing lighting. Additional light sources would be present at the Thong Lane green bridge south in the Higham Arable Farmland (sub area Thong) LLCA. However, this would be	Mitigation measures would include planting (LE2.1 Native Woodland) around the new LTC/A2 junction to reduce the visual impacts to Cobham Park and the construction of a green bridge for the Brewers Lane overbridge. The majority of the woodland along the northern edge of the park south of HS1 would be retained, which would maintain some visual screening.	Minor	Slight adverse

Project ID	List entry	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation impact	Operation mitigation	Operation impact2	Operation effect
					constructed, resulting in the removal of trees in these areas. The removal of trees would take place in a strip of land located between the A2 and HS1, already physically severed from the rest of the park.					seen in the context of existing lighting along the A2." By 2045, "the establishment of tree and shrub belt planting along the southern edge of the modified A2 corridor would to some extent help reduce the effects of new lighting on the night-time environment." Given that the existing A2 corridor is already lit, it is not assessed that the lighting associated with the Project would result in adverse impacts in heritage terms. The permanent alterations to the asset would be minimal and would occur within peripheral areas, such as the strip between the A2 and HS1 which has already been physically severed from the rest of the park. The vast majority of the park would not experience a physical impact and the peaceful, rural character would be largely preserved. While the presence of infrastructure to the north of the park would be increased, this is on the line of existing infrastructure. Furthermore, the creation of the green bridges would create a green link between the park and Shome Woods with which the asset is historically associated			

Table 1.10 Scheduled monuments assessment table

Project ID	List entry	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
SM1	1002134	Crop mark complex, Orsett	High	SM1 would be affected by construction activity associated with construction of the main alignment, multiple utility networks and OHL diversion works, utilities access routes, utility drainage compound connections, mains work construction access routes and the establishment of Stifford Clays Road compound West and Stifford Clays Road Utility Logistics Hub. The majority of the scheduled area is within the Order Limits and would be physically impacted by construction, which would remove the buried archaeological remains from this multi-period site. The cropmark complex would also experience change to its setting due to the visual and noise disturbance of construction activity within the scheduled area and in adjacent areas to the north and south. The permanent physical impact of construction activity would be mitigated by archaeological excavation and recording of the whole of the affected scheduled area (AMS-OWSI No. 4, see	The asset would be affected by construction activity associated with construction of the main alignment, multiple utility networks and OHL diversion works, utilities access routes, utility drainage compound connections, mains work construction access routes and the establishment of Stifford Clays Road compound West and Stifford Clays Road Utility Logistics Hub. The majority of the scheduled area is within the Order Limits and would be physically impacted by construction, which would remove the buried archaeological remains from this multi-period site. The cropmark complex would also experience change to its setting due to the visual and noise disturbance of construction activity within the scheduled area and in adjacent areas to the north and south. The permanent physical impact of construction activity would be mitigated by archaeological excavation and recording of the whole of the affected scheduled area (AMS-OWSI No. 4, see	Archaeological investigation and recording	Major	Large adverse	The remaining elements of the high-value scheduled Orsett cropmark complex (SM1) and the associated high-value non-designated archaeological asset (247) would experience permanent impacts of moderate adverse magnitude due to the change to their setting caused by the introduction of further large road infrastructure within the scheduled area, further physically separating the surviving elements of the scheduled monument and associated non-designated asset. This would result in permanent impacts of moderate magnitude and moderate adverse effects which are significant. The effect is assessed to be moderate rather than large as the removal of much of the archaeological remains would already have taken place during construction.	None	Moderate	Moderate adverse

Project ID	List entry	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
				Table 6.8 for details, see Section 6.5 for details). However, given the scale of impact to this nationally important high-value asset, even after mitigation, this would have a permanent impact of major adverse magnitude, resulting in a large adverse effect, which is assessed as significant and substantial harm to the designated asset	Table 6.8 for details, see Section 6.5 for details). However, given the scale of impact to this nationally important high-value asset, even after mitigation, this would have a permanent impact of major adverse magnitude, resulting in a large adverse effect, which is assessed as significant and substantial harm to the designated asset.							
SM2	1002155	Gatehouse and moat of South Ockendon Old Hall	High	The high value designated gatehouse and moat of South Ockendon Old Hall (SM2) is located within the Order Limits. The moat bridge and gatehouse are also designated as a Grade II listed building (LB65). The gatehouse and moat are located within the Order Limits, where the installation of bat boxes on existing trees would provide ecological mitigation. The proposals would cause no physical impact to the asset and would not change the setting of SM2/LB65. The major construction activity would be located at least 600m from the asset and beyond the elements of its setting that contribute to its value. Therefore, this high-value asset would experience no	None, major construction activity would be located over 600m from the asset and would cause no change to setting.	None	No change	Neutral	The high value designated gatehouse and moat of South Ockendon Old Hall (SM2), which is also Grade II listed (LB65), is located approximately 700m from the operational alignment. Its setting would not change as a result of the presence of the road, as the road would not be visible or audible from the asset, and therefore it would experience an impact of no change and a neutral effect, which is assessed as not significant.	None	No change	Neutral

Project ID	List entry	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
				change, resulting in a neutral effect, which is assessed as not significant.								
SM4	1002196	Bishop Bonner's Palace, Orsett	High	None	None	None	No change	Neutral	None	None	No change	Neutral
SM5	1002199	Earthworks near church, West Tilbury	High	None	A mains work construction secondary access routes would be situated along Coopers Shaw Road and Church Road c. 170m to the east of the asset. Utility works would take place across the open land immediately to the south-west of the asset, situated at the bottom of Hall Hill. The Northern Tunnel Entrance Compound would be located c. 650m south-east of the asset. These works would not alter its relationship with West Tilbury and the Church of St James nor or impede long-distance views across the former Tilbury Marshes. The visual disturbance to the semi-rural setting of the asset would result in a minor impact. The minor impact is assessed to result in a slight adverse effect rather than moderate effect due to the scale and nature of the impacts and the fact that the primary elements of the setting that contribute to the	Good Practice	Minor	Slight adverse	The operational alignment (at Tilbury Viaduct) would be located c. 920m east of the asset. Parts of the operational alignment further to the south-east are likely to be distantly visible from the asset, but this will not harm its value.	None	No change	Neutral

Project ID	List entry	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
					value of the asset will not be harmed.							
SM6	1009286	Causewayed enclosure and Anglo-Saxon cemetery 500m ENE of Heath Place	High	None	The high value designated causewayed enclosure and Anglo-Saxon cemetery 500m east-north-east of Heath Place (SM6) is located outside the Order Limits, but immediately to the north of the proposed Brentwood Road Compound and Brentwood Road Utility Hub, and c. 100m west of an online mains works construction access route. Utility diversion works for multi-utility networks would also take place c. 65m east of the asset. The main alignment and false cutting earthworks would be constructed from c. 275m to the south of the asset. These activities would introduce noise and visual intrusion into the setting of the asset, introducing intrusive features in views from the asset to the south, which contribute to its value. The good practice mitigation of appropriate screening of construction compounds, and dust and noise reduction measures, would reduce the impact but would not fully mitigate it due to the close proximity between the Brentwood Road	Good Practice, screening of construction compound	Temporary moderate	Temporary moderate adverse	The high-value designated causewayed enclosure and Anglo-Saxon cemetery 500m east-north-east of Heath Place (SM6) would be located upslope from the false cutting earthworks (c. 275m to the south) and the operational alignment (c. 325m to the south). The Project design has avoided the use of tall noise barriers at this location to reduce the visual impact to the asset. However, there would be clear views from the location of the asset towards the Project, although this would be located within a false cutting that would somewhat restrict views to the road and associated traffic. Traffic along the operational Project would be clearly audible from the asset, with a noise increase of 3db – 5db. The operational alignment would also be located along the base of the dry valley with which the asset is associated. As a result of the Project, some Prehistoric to Roman archaeological sites associated with the asset within the Order Limits would have been removed and replaced by the operational alignment. This change to the setting of the asset would have a permanent impact of moderate adverse magnitude and a moderate adverse effect, which is assessed as significant. The effect is assessed as moderate rather than large due to the scale of change	The Project would be located within a false cutting to reduce visibility.	Moderate	Moderate adverse

Project ID	List entry	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
					Compound and SM6. This is assessed to result in a moderate adverse impact and a moderate (rather than large) effect due to the scale and temporary nature of the changes to its setting.				to the overall setting and lack of physical impacts to the asset.			
SM7	1009287	Springfield style enclosure and Iron Age enclosures south of Hill House, Baker Street.	High	None	The high value Springfield' style enclosure and Iron Age enclosures south of Hill House, Baker Street (SM7) is located adjacent to the Order Limits. The working area for buried utility diversions would be located directly adjacent to the eastern end of the scheduled area. Consequently, the asset would be preserved in situ. The associated non-designated high value Bronze Age and Iron Age cropmark complex (2078) that surrounds the scheduled area would be physically impacted by the utility diversion (as assessed above). The loss of part of these associated archaeological remains would negatively affect the setting of the scheduled monument as they form part of the same wider area of activity and make a key contribution to its value. The loss of the majority of the Orsett cropmark complex (SM1) to the west	None	Permanent minor adverse	Permanent slight adverse	The utilities would be buried and would not create any visual intrusion during operation. The operational A122 would not be clearly visible and the noise would increase by only c. 1 decibel.	Landscape earthworks and planting would reduce visibility.	No change	Neutral

Project ID	List entry	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
					would also affect the setting of this asset by removing additional archaeological remains which are broadly contemporary with elements of SM7. Other Late Prehistoric archaeological remains would survive unharmed within the setting of this asset, such as 261 and 268. Overall, the removal of some associated archaeological remains of 2078 and SM1 would have a permanent impact of minor adverse magnitude on this high-value asset, resulting in a slight adverse effect after mitigation, which is not significant. A slight rather than a moderate adverse effect is considered appropriate due to the limited area of associated remains which would be disturbed and the fact that the core concentrations of settlement activity would not be harmed.							
SM8	1011011	Bowl barrow in Ashenbank Wood south of Cobham Park reservoir	High	None	None	None	No change	Neutral	The long-term operational noise change would not be discernably different from existing noise levels. The existing A2 in the vicinity and the Brewers Road overbridge are already lit (see Figure 7.18, Application Document 6.3) although the Thong Lane Green Bridge would create a new light source. However, given the existing	None	No change	Neutral

Project ID	List entry	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
									setting of the asset c. 300m south of the A2, the minor change to night-time setting is not assessed to cause harm to the value of the asset.			
SM9	1012185	Second World War anti-aircraft battery at Bowaters Farm	High	None	The asset would be located approximately 165m east of the Northern Tunnel Entrance compound, utilities diversion works, and immediately to the west of an area of the Order Limits in which works would be carried out to establish ecological mitigation areas. These activities would introduce noise and visual impacts to the setting of the asset. Although the overgrown nature of the asset means that direct views would be limited (Application Document 6.2, Figure 6.6, Viewpoint N-(CH)08 and N-06), construction activity is likely to be clearly audible. This would alter the setting of the asset but would not change its most important characteristics	Screening of construction compounds, Good Practice	Minor	Temporary Slight Adverse	The asset would be located approximately 450m east of the operational alignment and would have no clear views towards it (Application Document 6.2, Figure 6.6, Viewpoint N-(CH)08 and N-06). Views in this direction are not a key aspect of its setting. Traffic on operational main alignment would be audible (a moderate adverse change in noise terms of 5db to 10db) and this would constitute an adverse change in its setting. The ecological mitigation area to the east would comprise open mosaic habitat and would not impede views in this direction or alter the relationship between the anti-aircraft battery and contemporary defenses at Coalhouse Fort (SM14). The effect is considered to be slight rather than moderate due to the nature and scale of change to the setting of the asset.	None	Minor adverse	Slight adverse

Project ID	List entry	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
SM10	1012964	Romano-British villa and 19 th century reservoir in Cobham Park	High	None	Introduction of additional traffic, light and noise associated with construction.	None	Negligible	Temporary Slight adverse	The long-term operational noise change would not be discernably different from existing noise levels. Operation of the Project would not result in a discernible change within the setting, beyond the establishment of an NMU route c. 80m to the north of the asset, at the northern edge of Cobham Park and the redesign of the existing Halfpence Lane/Thong Lane roundabout in the north-western part of the park. The existing A2 in the vicinity and the Brewers Road overbridge are already lit (see Figure 7.18, Application Document 6.3) and therefore the night-time setting is not likely to be discernably changed.	None	No change	Neutral
SM11	1013880	East Tilbury Battery	High	None	The establishment of ecological mitigation LE8.1 Open Mosaic Habitat immediately south, east and north of the asset would not result in adverse impacts.	None	No change	Neutral	The asset would be located approximately 1.2m to the east of the operational alignment and would be screened from it by built form immediately to the west along Princess Margaret Road. There would be no change to noise levels around the asset. The presence of ecological mitigation LE8.1 Open Mosaic Habitat immediately south, east and north of the asset would not result in adverse impacts.	None	No change	Neutral
SM12	1019106	Roman barrow 260m north-east of South Ockendon Hall	High	None	None, major construction activity would be located c. 470m to the north of the asset and would cause no change to elements of its setting that contribute to its value.	None	No change	Neutral	The operational Project would cause an increase in noise at this location (5db to 10db a moderate adverse change in noise terms), causing a small change to the setting of the asset which would have a negligible impact on its overall value. The main	None	Negligible	Slight adverse

Project ID	List entry	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
									alignment would not spatially separate the asset from the sites of the potentially associated former barrows located along the slight ridgeline to the south of the asset.			
SM13	1021092	Tilbury Fort	Very High	None	There would be an aural and visual impact from construction traffic on Fort road within the Order Limits and mains works area c. 230m to north of the asset, and a similar impact from the road immediately north of Fort Road which would be used as a long-term online mains works construction access route.	Good Practice	Negligible	Temporary Slight adverse	The asset is located c. 19km west of the proposed North Tunnel Portal, although this would be obscured by pylons and structures at the Tilbury Sewage Treatment Works (Application Document 6.2, Figure 6.6, Viewpoint N-01 and N-(CH)01-06) and screened by landscape earthworks. The remaining open landscape view from the fort to West Tilbury would not be obstructed by the Project, the closest element of which would be located approximately 865m east of West Tilbury. The landscape earthworks proposed to the south of the North Portal would increase the height of the land in this area. This land has already been raised by landfill, obscuring views between Tilbury Fort (SM13) and Coalhouse Fort (SM14) to the east. The landscape earthworks would increase this height by approximately 8.5m from the current height at their maximum (and by approximately 4.5m from the permitted height of the current landfill operation) but would create no further change to the setting of Tilbury Fort. The operation of the Project would result in no change.	None	No change	Neutral
SM14	1013943	Coalhouse Fort battery	Very High	None	The land within the Order Limits	Good Practice	Negligible	Temporary slight adverse	There would be no change to noise levels around the	None	No change	Neutral

Project ID	List entry	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
		and artillery defences			immediately to the west of the asset would be used as a light vehicle access route, which will not involve excavation of a fixed trackway (although vehicle matting may be placed). Groundworks will take place in the fields immediately west and north of the asset to establish ecological mitigation areas. Construction of the tunnel portal would take place c. 1.3km west of the asset and associated earthworks and new landforms of Tilbury Fields would be constructed (within the southern tunnel entrance compound) c. 1.1km west of the asset. Overall, the noise, lighting and visual intrusion caused by construction activities would result in a minor magnitude of impact. The effect is assessed as moderate rather than large due to the character of the impacts, the distance of much of the construction activity and their temporary nature.				asset. The main alignment and tunnel portal c. 1.3km to the west of the asset would be screened from view by earthworks. The Tilbury Fields landscape earthworks would be slightly visible from the upper parts of the fortifications, as glimpsed views through trees beyond the raised ground of East Tilbury landfill against a backdrop of Tilbury substation and Tilbury Port (Application Document 6.2, Figure 6.6, Viewpoint N-(CH)09). Ecological mitigation areas would be present immediately west of the asset: LE6.41 Marsh and Wet Grassland - Coastal Grazing Marsh; LE6.12 Water Bodies and Associated Plants - Shallow Scrape; and LE6.2 Banks and Ditches and also to the north of the asset: LE8.6 Translocated Acid Grassland. The ecological mitigation landscaping would maintain the current open areas which contribute to the value of the asset. The main alignment and earthworks would not harm the relationship between the asset and associated defense features or major topographical features such as the surrounded reclaimed marshes, the River Thames and the southern bank.			
SM15	1003403	Cliffe Fort	High	None	None	None	No change	Neutral	None	None	No change	Neutral
SM16	1005120	Gravesend blockhouse	High	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	List entry	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
SM17	1013658	New Tavern Fort, Gravesend, including Milton Chantry	High	None	Order Limits is located c. 1.05km east and 1.34km north-east of the asset. A short-term online main construction route will pass through the Conservation Area along Canal Road/Ordnance Road. 'Short-term – Online – Main' routes are generally used for initial access, primarily for site setup works. Once the appropriate offline accesses are created, the short-term routes would not be used for HGV construction traffic other than for very specific works (see Outline Construction Traffic Management Plan, Application Document 7.14). There will be an aural and visual impact from the construction traffic this route.	None	Negligible	Temporary Slight adverse	None	None	No change	Neutral
SM21	1004226	Roman enclosure SE of Vagniaca	High	None	Impact caused to semi-rural setting by construction traffic on adjacent existing A2 dual carriageway, which will be utilised as a long-term online main construction access route.	None	Negligible	Temporary Slight adverse	None. Application Site is located c. 200m to the north across the existing A2 and A2260. Operational elements in this part of the Application Site will comprise new below-ground multi-utility services. The noise levels in the vicinity of the asset will not be increased by the Project.	None	No change	Neutral

Project ID	List entry	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
SM22	1005140	Springhead Roman site	High	None	Impact caused to semi-rural setting by construction traffic on adjacent existing A2 dual carriageway, which will be utilised as a long-term online main construction access route.	None	Negligible	Temporary Slight adverse	None. Application Site is located c. 160m to east across the existing A2 and A2260. Operational elements in this part of the Application Site will comprise new below-ground multi-utility services. The noise levels in the vicinity of the asset will not be increased by the Project.	None required	No change	Neutral
SM23	1010710	Deserted medieval manorial settlement of Cossington	High	None	None	None	No change	Neutral	The land within the Order Limits does not contribute to the value of the asset and its value will not be harmed by the operation of the Project. The noise levels in the vicinity of the asset will not be increased by the Project.	None	No change	Neutral

Table 1.11 Historic landscape character assessment table: South of the River Thames

Historic landscape category	Value	Historic Landscape Types (HLTs) impacted	Construction / Operation Impact	Operation mitigation	Magnitude of impact	Significance of effect	Significance
Reclaimed land	Medium	HLT ref. Q: other reclaimed land (20 th century), HLT ref. V: small rectilinear enclosures (medieval to post-medieval)	Impacts on the historic landscape from construction and operation have been considered cumulatively: small rectilinear enclosures (HLT ref. V) on reclaimed marshland located above the operational tunnel alignment will be impacted by a new section of drainage between Lower Higham Road and the River Thames. Creation of wet grassland habitat adjacent to the Thames and Medway Canal will alter the intended agricultural function of this historic landscape	Creation of wet grassland habitat would restore some of this historic landscape's past marshland character.	Negligible	Slight adverse	Not significant
Farming landscape	Low	HLT ref. A: fields predominantly bounded by tracks, roads and other rights of way, HLT ref. H: 19th century prairie fields with extensive boundary loss, HLT ref. M: small regular fields with straight boundaries (parliamentary type enclosures formed by 19th and 20th century enclosure)	Impacts on the historic landscape from construction and operation have been considered cumulatively: The construction of the main alignment, earthworks, landscaping and utility diversions will remove parts of this historic landscape and permanently change its layout and character. Woodland planting will alter an area of small regular enclosures with straight boundaries (HLT ref. M) located north of the A2 and north-west of M2 junction 1. Nitrogen deposition (Ndep) compensation planting would permanently alter the agricultural landscape within Ndep sites at Burnham, Henhurst, Court Wood, and Fen Wood.	Reinstatement of majority of 19th prairie fields (HLT ref. H) following construction works. Ndep compensation tree planting would impact the agricultural landscape at Burnham, Henhurst, Court Wood, and Fen Wood sites.	Moderate	Slight adverse	Not significant
Woodland	Medium	HLT ref. B: 19th century coppices, HLT ref. F: pre-19th century woodland, HLT ref. I: pre-19th coppices	Impacts on the historic landscape from construction and operation have been considered cumulatively: Pre-1810 woodland (HLT ref. F) at Claylane Wood will be impacted by the Project, and the main alignment, earthworks, and cycleways will be present during operation. 19th century plantations (HLT ref. C) incorporating parts of Ashenbank, Shorne, and Brewers Woods will be impacted by landscaping, utility diversions and earthworks. 19th century coppices (HLT ref. B) in Brewers Wood, and pre-19th century coppices (HLT ref. I) in Shorne Woods will be impacted by landscaping and earthworks.	Vegetation will be largely retained along woodland edges of Brewers Wood and Shorne Woods.	Minor	Slight adverse	Not Significant

Table 1.12 Listed buildings assessment table: South of the River Thames

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
LB1	1040014	Chapel of St Katherine	II	High	None	Construction activity will be largely screened from view by intervening topography, vegetation and buildings. Potential distant glimpsed views from the asset will not harm its value.	None	No change	Neutral	The land within the Order Limits does not contribute to the value of the asset.	None	No change	Neutral
LB100	1341493	44, Chalk Road	II	High	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the land within the Order Limits.	None	No change	Neutral
LB101	1341498	Corner Cottage	II	High	None	The setting of this asset is primarily formed by the surrounding modern residential development and the asset is sited c. 110m to the north of the existing route of the A2/M2. Construction activity is likely to cause temporary minor changes to its setting by introducing additional noise, lighting and potentially partial glimpses of construction machinery along the route of the A2 and for utility works and establishment of an NMU route c. 60m south of the asset, from the rear upper stories of some of the buildings. This would cause a temporary negligible adverse impact to this high value asset, resulting in a slight adverse significance of effect.	None	Negligible	Slight adverse	The setting of this asset is primarily formed by its location on Hever Court Road and nearby historic buildings, situated close to the existing route of the A2/M2. In terms of long-term operational noise, there would be a negligible/no change compared to existing noise levels. The asset is located in a medium brightness urban area and the Project would not have an impact on its value due to lighting. The operational phase would increase the size of the A2 but this would not be discernible from the asset and consequently they would experience an impact of no change and neutral effect.	None	No change	Neutral
LB103	1346411	Green Farm House	II	High	None	The setting does not extend to the land within Order Limits.	None	No change	Neutral	The setting does not extend to the land within the Order Limits.	None	No change	Neutral
LB105	1346416	Parish Boundary Stone	II	Medium	None	Located within the Order Limits, adjacent to the route of a PRoW that would be upgraded to an NMU route by the Project. These works would not move or otherwise physically impact the asset and the asset would be protected by fencing. The asset has previously been moved from its original location for the construction of HS1, and consequently its precise location makes little contribution to its value.	Temporary fencing	Negligible	Slight adverse	The long-term operational noise change would not be discernably different from existing noise levels. The operation of the Project would have no adverse effects on the value of the asset.	None	No change	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
LB106	1350862	Church of St Margaret, Ifield	II	High	None	Construction activity is likely to cause small temporary changes to the setting of this asset by introducing additional noise, lighting, and visible construction machinery along the new route of the A2. This would cause a negligible adverse impact to this high value asset, resulting in a slight adverse significance of effect.	None	Negligible	Temporary slight adverse	Establishment of Ancient Woodland Mitigation Planting LE8.2 c. 160m north-east of the asset would not be out of character in this landscape, which 19th century mapping shows once previously contained more woodland and orchard than today. The woodland would be established adjacent to existing trees along Church Road and the majority of the open field around the asset will be retained. The long-term operational noise change would not be discernably different from existing noise levels. The existing A2 in the vicinity of the asset is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) therefore the night-time setting is not likely to be discernably changed. There would be no change and a neutral effect.	None	No change	Neutral
LB12	1081086	Court Cottage, Garden Cottage	II	High	None	The setting does not extend to the construction activity.	None	No change	Neutral	Establishment of Ancient Woodland Mitigation Planting LE8.2 c. 560m north-east of the asset would not harm the value of the asset. The long-term operational noise change would not be discernably different from existing noise levels. While night-time lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)), therefore the change would not be of a scale which would harm the value of the asset.	None	No change	Neutral
LB122	1095053	Cobham Hall (Including Kitchen and Stable Court)	I	High	None	This asset is located within the bounds of RPG1 c. 640m south of the Order Limits. The construction activity would temporarily introduce additional noise, lighting and visible	None	Negligible	Temporary Slight adverse	Although the asset's setting is formed by the RPG1, it also already includes the existing A2 dual carriageway, and the operation of the Project would not result in a discernible	None	No change	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
						construction machinery to the setting of this asset.				change within the setting, beyond the establishment of a cycleway c. 640m to the north at the northern edge of Cobham Park, and the redesign of the existing Halfpence Lane/Thong Lane roundabout in the north-western part of the park. This would not have an impact on the asset. The existing A2 to the north of the asset and the Brewers Road overbridge are already lit (see Figure 7.18, Application Document 6.3) and therefore the night-time setting is not likely to be discernably changed.			
LB123	1095054	The Temple, Cobham Hall	II	High	None	This asset is located within the bounds of RPG1 c. 640m south of the Order Limits. However, it is well screened by intervening park woodland and the construction activity will not cause any impacts.	None	No change	Neutral	Although the asset's setting is formed by RPG1, it also already includes the existing A2 dual carriageway, and the operation of the Project would not result in a discernible change within the setting, beyond the establishment of a cycleway c. 640m to the north at the northern edge of Cobham Park, and the redesign of the existing Halfpence Lane/Thong Lane roundabout in the north-western part of the park. This would not have an impact on the asset. The existing A2 in the vicinity and the Brewers Road overbridge are already lit (see Figure 7.18, Application Document 6.3) and therefore the night-time setting is not likely to be discernably changed.	None	No change	Neutral
LB124	1095060	Jeskyns Court	II	High	None	Works to a pylon c. 630m north of the asset and Ancient Woodland Mitigation Planting LE8.2 c. 820m north of the asset will not cause any harm to its value.	None	No change	Neutral	In terms of long-term operational noise, there would be a minor adverse change N17(increase of 3 - 4.9db) compared to existing noise levels (55 - 60db) which would not harm the value of the asset. The land within the Order Limits, and the operational alignment c. 1.1km to the north of the asset, do not contribute	None	No change	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
										to its value. The addition and removal of vegetation on Winstead Hill and west of Henhurst Hill would not harm the asset. While distant lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) and the change would not be of a scale which would harm the value of the asset.			
LB125	1095061	Jeskyns Court Granary	II	High	None	Works to a pylon c. 630m north of the asset and Ancient Woodland Mitigation Planting LE8.2 c. 820m north of the asset will not cause any harm to its value.	None	No change	Neutral	In terms of long-term operational noise, there would be a minor adverse change N17(increase of 3 - 4.9db) compared to existing noise levels (55 - 60db) which would not harm the value of the asset. The land within the Order Limits, and the operational alignment c. 1.1km to the north of the asset, do not contribute to its value. The addition and removal of vegetation on Winstead Hill and west of Henhurst Hill would not harm the asset. While distant lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) and the change would not be of a scale which would harm the value of the asset.	None	No change	Neutral
LB126	1096336	Crutches Gate Cottage and Farmhouse	II	High	None	The asset is sited c. 180m to the north-east of the existing route of the A2/M2 and c. 65m north of a slip road. Construction activity is likely to cause temporary minor changes to its setting by introducing additional noise, lighting and potentially partial glimpses of construction machinery along the route of the A2 and for utility works and a long-term online main construction access route along	None	Negligible	Temporary Slight adverse	The long-term operational noise change would not be discernably different from existing noise levels. The existing A2/M2 in the vicinity are already lit (see Figure 7.18, Application Document 6.3) and therefore the night-time setting is not likely to be discernably changed. Although partly surrounded by residential development the asset derives some value from its setting, primarily from its location on	None	No change	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
						the slip road. This would cause a temporary negligible adverse impact to this asset.				Old Watling Street nearby former farm buildings of Crutches Farm and the surviving open landscape to the north and north-west. Although the land within the Order Limits form part of its setting (as the A2/M2 and roadside planting) it does not contribute to the value of the asset. The operational phase would increase the size of the A2/M2 but this would not adversely impact upon the value of the asset.			
LB175	1350861	The Aviary, Cobham Hall	II	High	None	This asset is located within the bounds of RPG1 c. 640m south of the Order Limits. However, it is well screened by intervening park woodland and the construction activity will not cause any impacts.	None	No change	Neutral	Although the asset's setting is formed by RPG1, it also already includes the existing A2 dual carriageway, and the operation of the Project would not result in a discernible change within the setting, beyond the establishment of a cycleway c. 640m to the north at the northern edge of Cobham Park, and the redesign of the existing Halfpence Lane/Thong Lane roundabout in the north-western part of the park. This would not have an impact on the asset. The existing A2 in the vicinity and the Brewers Road overbridge are already lit (see Figure 7.18, Application Document 6.3) and therefore the night-time setting is not likely to be discernably changed.	None	No change	Neutral
LB176	1350898	The Dairy, Cobham Hall	II*	High	None	This asset is located within the bounds of RPG1 c. 940m south and c. 735m east of the Order Limits. However, it is well screened by intervening park woodland and the Grade I Listed Cobham Hall and the construction activity will not cause any impacts.	None	No change	Neutral	Although the asset's setting is formed by RPG1, it also already includes the existing A2 dual carriageway, and the operation of the Project would not result in a discernible change within the setting, beyond the establishment of a cycleway c. 940m to the north at the northern edge of Cobham Park, and the redesign of the existing Halfpence Lane/Thong Lane roundabout in the north-western part of the park. This would not have an	None	No change	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
										impact on the asset. The existing A2 in the vicinity and the Brewers Road overbridge are already lit (see Figure 7.18, Application Document 6.3) and therefore the night-time setting is not likely to be discernably changed.			
LB18	1083896	St Katherine's House	II	High	None	Construction activity will be largely screened from view by intervening topography, vegetation and buildings. Potential distant glimpsed views from the asset will not harm its value.	None	No change	Neutral	The land within the Order Limits does not contribute to the value of the asset.	None	No change	Neutral
LB180	1373832	Knights Place Farmhouse	II	High	None	The setting does not extend to the land within the Order Limits apart from existing roads and buffer planting. Construction activities will not cause any impacts to this asset.	None	No change	Neutral	The setting does not extend to the Order Limits (apart from existing roads and buffer planting). The existing A2/M2 in the vicinity are already lit (see Figure 7.18, Application Document 6.3) and therefore the night-time setting is not likely to be discernably changed. Noise levels will not discernably change above existing levels. Operation of the Project will not cause any impacts to this asset.	None	No change	Neutral
LB183	1049086	Owletts' Cottage	II	High	None	Potential distant glimpses of construction activity will not harm the value of the asset.	None	No change	Neutral	Potential seasonal distant glimpses of the operational alignment will not harm the value of the asset. There will be no change to noise levels in the vicinity of the asset. While distant lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) and the change would not be of a scale which would harm the value of the asset.	None	No change	Neutral
LB184	1049097	Owletts	II*	High	None	Potential distant glimpses of construction activity will not harm the value of the asset.	None	No change	Neutral	Potential seasonal distant glimpses of the operational alignment will not harm the value of the asset. There will be	None	No change	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
										no change to noise levels in the vicinity of the asset. While distant lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) and the change would not be of a scale which would harm the value of the asset.			
LB185	1049126	Cottage belonging to The Leather Bottle Inn	II	High	None	The setting does not extend to the land within Order Limits.	None	No change	Neutral	The visual and associative setting does not extend to the land within the Order Limits. There will be no change to noise levels in the vicinity of the asset. While distant lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) and the change would not be of a scale which would harm the value of the asset.	None	No change	Neutral
LB186	1076965	36 And 38, The Street	II	High	None	The setting does not extend to the land within Order Limits.	None	No change	Neutral	The setting does not extend to the land within the Order Limits.	None	No change	Neutral
LB187	1076989	26-30, The Street	II	High	None	The setting does not extend to the land within Order Limits.	None	No change	Neutral	The visual and associative setting does not extend to the land within the Order Limits. There will be no change to noise levels in the vicinity of the asset. While distant lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) and the change would not be of a scale which would harm the value of the asset.	None	No change	Neutral
LB189	1095055	The Mausoleum, Cobham Hall	I	High	None	The setting does not extend to the land within Order Limits.	None	No change	Neutral	The setting does not extend to the land within the Order Limits. The existing A2 to the north of the asset and the Brewers Road overbridge are already lit	None	No change	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
										(see Figure 7.18, Application Document 6.3) and therefore the night-time setting is not likely to be discernably changed.			
LB19	1083897	Green Farm Granary	II	High	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the land within the Order Limits.	None	No change	Neutral
LB190	1095057	Rose Cottage	II	High	None	Utilities diversion within the present-day road alignment of Halfpence Lane would create a temporary disruption in the setting of this asset. This would only have a negligible impact on this high value asset resulting in a slight adverse effect.	None	Negligible	Slight adverse	The visual and associative setting does not extend to the land within the Order Limits. There will be no change to noise levels in the vicinity of the asset. While distant lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) and the change would not be of a scale which would harm the value of the asset.	None	No change	Neutral
LB198	1096319	The Ship Inn	II	High	None	The setting does not extend to the land within Order Limits.	None	No change	Neutral	The visual and associative setting does not extend to the land within the Order Limits. There will be no change to noise levels in the vicinity of the asset. While distant lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) and the change would not be of a scale which would harm the value of the asset.	None	No change	Neutral
LB199	1096320	Forge Cottages	II	High	None	The setting does not extend to the land within Order Limits.	None	No change	Neutral	The visual and associative setting does not extend to the land within the Order Limits. There will be no change to noise levels in the vicinity of the asset. While distant lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3))	None	No change	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
										and the change would not be of a scale which would harm the value of the asset.			
LB200	1096321	The Village School	II	High	None	The setting does not extend to the Order Limits.	None	No change	Neutral	The visual and associative setting does not extend to the land within the Order Limits. There will be no change to noise levels in the vicinity of the asset. While distant lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) and the change would not be of a scale which would harm the value of the asset.	None	No change	Neutral
LB201	1096322	Crockers Place	II	High	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the land within the Order Limits. There will be no change to noise levels in the vicinity of the asset. While distant lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) and the change would not be of a scale which would harm the value of the asset.	None	No change	Neutral
LB202	1096323	Meadow Cottages	II	High	None	The setting does not extend to the land within Order Limits.	None	No change	Neutral	The visual and associative setting does not extend to the land within the Order Limits. There will be no change to noise levels in the vicinity of the asset. While distant lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) and the change would not be of a scale which would harm the value of the asset.	None	No change	Neutral
LB218	1350208	Ifield Court	II*	High	None	The setting does not extend to the construction activity.	None	No change	Neutral	Establishment of Ancient Woodland Mitigation Planting	106	No change	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
										LE8.2 c. 610m north-east of the asset would not harm the value of the asset. The long-term operational noise change would not be discernably different from existing noise levels. While night-time lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) the change would not be of a scale which would harm the value of the asset.			
LB219	1350223	The Village Pump	II	High	None	The setting does not extend to the land within Order Limits.	None	No change	Neutral	The setting does not extend to the Order Limits. There will be no change to noise levels in the vicinity of the asset. While distant lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) and the change would not be of a scale which would harm the value of the asset.	None	No change	Neutral
LB22	1083901	White Horse Cottage	II	High	None	The asset is located approximately 150m east of the Order Limits and 65m west of the Order Limits, which surround Thong Conservation Area. Construction activity for the main alignment to the west of the asset, including major earthworks and structures, would temporarily introduce additional noise, lighting and visible construction machinery to the setting of this asset, and this would have a moderate magnitude temporary impact.	Good practice	Moderate	Temporary moderate adverse	The operation of the Project would change the setting of the high-value Grade II listed White Horse Cottage (LB22), with the main alignment visible in the formerly open agricultural land to the west. While there would be no change to existing noise levels, the low brightness night-time setting of the asset (see baseline assessment for CA10) would see increased light as a result of the Project which would slightly harm its rural character.	None	Moderate	Moderate adverse
LB220	1350224	Owletts' Well House	II	High	None	The setting does not extend to the land within Order Limits.	None	No change	Neutral	The visual and associative setting does not extend to the land within the Order Limits. There will be no change to noise levels in the vicinity of the	None	No change	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
										asset. While distant lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) and the change would not be of a scale which would harm the value of the asset.			
LB223	1350260	Mill Farmhouse	II	High	None	The setting does not extend to the land within Order Limits.	None	No change	Neutral	The visual and associative setting does not extend to the land within the Order Limits There will be no change to noise levels in the vicinity of the asset. While distant lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) and the change would not be of a scale which would harm the value of the asset.	None	No change	Neutral
LB224	1350261	Forge Cottages	II	High	None	Construction activities to create drainage services will take place c. 130m north of the asset and the A226 Gravesend Road Compound will be established c. 300m east of the asset. The land within the Order Limits does not contribute to the value of the asset and modern residences are present between the asset and the construction activities. Construction of the Project is not assessed to cause any impacts to the value of the asset.	None	No change	Neutral	The setting does not extend to the Operational Alignment and associated landscaping. There will be no change to noise levels in the vicinity of the asset. While distant lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) and the change would not be of a scale which would harm the value of the asset.	None	No change	Neutral
LB225	1350262	The Leather Bottle Inn	II	High	None	The setting does not extend to the land within Order Limits.	None	No change	Neutral	The visual and associative setting does not extend to the land within the Order Limits The visual and associative setting does not extend to the Order Limits. There will be no change to noise levels in the vicinity of the asset. While distant lighting will increase due to the widening of the A2 corridor, this	None	No change	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
										will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) and the change would not be of a scale which would harm the value of the asset.			
LB227	1373849	Meadow House	II*	High	None	The setting does not extend to the land within Order Limits.	None	No change	Neutral	The visual and associative setting does not extend to the land within the Order Limits There will be no change to noise levels in the vicinity of the asset. While distant lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) and the change would not be of a scale which would harm the value of the asset.	None	No change	Neutral
LB230	1435143	Cobham War Memorial	II	High	None	Utilities diversion within the present-day road alignment of Halfpence Lane would create a temporary disruption in the setting of this asset. This would only have a negligible impact on this high value asset resulting in a slight adverse effect.	None	Negligible	Temporary Slight adverse	No change	None	No change	Neutral
LB24	1089019	Readers	II	High	None	The Order Limits historically formed part of the rural landscape to the north and east of the asset. However, the building does not have a surviving functional link with the surrounding landscape and the spatial relationship has been greatly reduced by the surrounding 20th-century residences. The setting of Readers is now largely suburban in character. While glimpses of the landscape to the north (including the Order Limits) are possible from Readers, between the houses on the northern side of the Lower Higham Road, these	None	No change	Neutral	The Project will not be visible from the asset and there will be no changes to noise or lighting levels.	None	No change	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
						glimpsed views do not contribute to the value of the asset. Glimpsed views of construction activity will not harm the value of this asset.							
LB241	1049037	Gadshill Place	I	High	None	The asset is sited adjacent to the A226 (Gravesend Road) which would be used as a long-term main online construction access route. The additional construction traffic would negatively impact upon the asset as a result of the additional noise and vehicle movements. This would have a minor impact on this high value asset resulting in a temporary slight adverse effect.	None	Minor	Temporary Slight adverse	No change	None	No change	Neutral
LB25	1089020	Filborough Farmhouse	II	High	None	This asset is sited c. 975m to the north of the South Portal and c. 90m east of A226 Gravesend Road compound. The high value Grade II listed Filborough Farmhouse (LB25), and the Grade II listed Granary at Little Filborough Farm (LB30) and the Barn to North West of Filborough Farmhouse (LB99) are predicted to experience a temporary change to their setting (Application Document 6.2, Figure 6.6, Viewpoint S-(CH)06). The works for the ground preparation tunnel would include tall construction machinery that would be visible from these assets and intrusive in the otherwise gently undulating surrounding landscape, an area with which they have a historical connection as adjacent farmland. Due to the presence of tall construction machinery the good practice mitigation measure to screen construction compounds would not be effective in this location. This would result in a moderate magnitude temporary impact	Good practice	Moderate	Temporary moderate adverse	This asset is located c. 975m to the north of the South Portal. While the new landform at Chalk Park would be visible, this would not harm the value of the asset. There would be no change to noise levels around the asset and the lighting change to the night-time environment is not likely to be discernable.	None	None	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
						and a moderate adverse effect, which is assessed as significant. This is assessed to be moderate adverse, rather than large, due to the temporary nature of the construction activities and because the relationship between the three buildings, which is a key component of their setting that contributes to their value, would not be affected.							
LB263	1096327	Sir John Falstaff Public House	II	High	None	The asset is sited adjacent to the A226 (Gravesend Road) which would be used as a long-term main online construction access route. The additional construction traffic would negatively impact upon the asset as a result of the additional noise and vehicle movements. This would have a minor impact on this high value asset resulting in a temporary slight adverse effect.	None	Minor	Temporary slight adverse	No change	None	No change	Neutral
LB27	1089044	Church of St Mary	II*	High	None	Current peaceful rural surroundings that contribute to their value would be affected by an increase in noise but there would be little change to their visual surroundings both because of the distance to the construction activity and because their settings are largely enclosed by vegetation. In addition, the A226 would remain operational and therefore the Church of St Mary (LB27) would not be functionally separated from the community it serves to the west of the Order Limits. This would result in a minor impact to these high value assets and a slight adverse effect. This is assessed as slight, rather than moderate, adverse as the change to setting would cause only a small temporary change to the	None	Minor	Temporary Slight adverse	This asset is located over 500m to the north-east of the South Portal. The main alignment is unlikely to be visible, although the new landform in Chalk Park will be visible. The Project would not result in a discernable increase in traffic noise. At night, the increased lighting would not be directly visible but may increase the background lighting perceptible in the area (against the backdrop of existing light spill from Gravesend). Overall, this would be a slight change to the value of the asset, which would have a minor impact resulting in a slight adverse effect.	None	Minor	Slight adverse

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
						appreciation of the value of the assets.							
LB28	1089045	East Court Farmhouse	II	High	None	A226 Gravesend Road compound would be located c. 280m to the north-west. Current peaceful rural surroundings that contribute to their value would be affected by an increase in noise but there would be little change to their visual surroundings both because of the distance to the construction activity and because their settings are largely enclosed by vegetation and a slight topographical rise to the west. This would result in a minor magnitude temporary impact and a slight adverse effect, which is assessed as not significant. This is assessed as slight, rather than moderate, adverse as the change to setting would cause only a small temporary change to the appreciation of the value of the asset.	None	Minor	Temporary slight adverse	This asset is located c. 875m to the north of the South Portal. While the new landform at Chalk Park would be visible, this would not harm the value of the asset. There would be no change to noise levels around the asset and the lighting change to the night-time environment is not likely to be discernable.	None	No change	Neutral
LB29	1089051	The George Inn	II	High	None	The setting of this asset is primarily formed by the surrounding modern residential development and the asset is sited c. 110m to the north of the existing route of the A2/M2. Construction activity is likely to cause temporary minor changes to its setting by introducing additional noise, lighting and potentially partial glimpses of construction machinery along the route of the A2 and for utility works and establishment of an NMU route c. 60m south of the asset, from the rear upper stories of some of the buildings. This would cause a temporary negligible adverse impact to this high value asset, resulting in a slight adverse significance of effect.	None	Negligible	Temporary slight adverse	The setting of this asset is primarily formed by its location on Hever Court Road and nearby historic buildings, situated close to the existing route of the A2/M2. In terms of long-term operational noise, there would be a negligible/no change compared to existing noise levels. The asset is located in a medium brightness urban area and the Project would not have an impact on its value due to lighting. The operational phase would increase the size of the A2 but this would not be discernible from the asset and consequently they would experience an impact of no change and neutral effect.	None	No change	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
LB3	1054798	Chapel Farmhouse	II	High	None	The setting of this asset is primarily formed by the surrounding modern residential development and the asset is sited c. 110m to the north of the existing route of the A2/M2. Construction activity is likely to cause temporary minor changes to its setting by introducing additional noise, lighting and potentially partial glimpses of construction machinery along the route of the A2 and for utility works and establishment of an NMU route c. 60m south of the asset, from the rear upper stories of some of the buildings. This would cause a temporary negligible adverse impact to this high value asset, resulting in a slight adverse significance of effect.	None	Negligible	Temporary Slight adverse	The setting of this asset is primarily formed by its location on Hever Court Road and nearby historic buildings, situated close to the existing route of the A2/M2. In terms of long-term operational noise, there would be a negligible/no change compared to existing noise levels. The asset is located in a medium brightness urban area and the Project would not have an impact on its value due to lighting. The operational phase would increase the size of the A2 but this would not be discernible from the asset and consequently they would experience an impact of no change and neutral effect.	None	No change	Neutral
LB30	1089062	Granary at Little Filborough Farm	II	High	None	This asset is sited c.1km to the north of the South Portal, and c. 80m east of A226 Gravesend Road compound. The high value Grade II* listed Filborough Farmhouse (LB25), and the Grade II listed Granary at Little Filborough Farm (LB30) and the Barn to North West of Filborough Farmhouse (LB99) are predicted to experience a temporary change to their setting (Application Document 6.2, Figure 6.6, Viewpoint S-(CH)06). The works for the ground preparation tunnel would include tall construction machinery that would be visible from these assets and intrusive in the otherwise gently undulating surrounding landscape, an area with which they have a historical connection as adjacent farmland. Due to the presence of tall construction machinery the good practice mitigation measure to screen construction	Good practice	Moderate	Temporary moderate adverse	This asset is located c. 1km to the north of the South Portal. While the new landform at Chalk Park would be visible, this would not harm the value of the asset. There would be no change to noise levels around the asset and the lighting change to the night-time environment is not likely to be discernable.	None	None	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
						compounds would not be effective in this location. This would result in a moderate magnitude temporary impact and a moderate adverse effect, which is assessed as significant. This is assessed to be moderate adverse, rather than large, due to the temporary nature of the construction activities and because the relationship between the three buildings, which is a key component of their setting that contributes to their value, would not be affected.							
LB31	1096324	The Mount	II	High	None	This asset is located within the bounds of RPG1 c. 115m south of the Order Limits and is separated from it by woodland. The construction activity would temporarily introduce additional noise, lighting and visible construction machinery to the setting of this asset, but this would only have a negligible impact on this high value asset resulting in a slight adverse effect.	None	Negligible	Temporary Slight adverse	The long-term operational noise change would not be discernably different from existing noise levels. The existing A2 in the vicinity and the Brewers Road overbridge are already lit (see Figure 7.18, Application Document 6.3) although the Thong Lane Green Bridge would create a new light source. However, given the existing setting of the asset c. 300m south of the A2, the minor change to night-time setting is not assessed to cause harm to the value of the asset. Although the asset's setting is formed by RPG1, it also already includes the existing A2 dual carriageway, and the operation of the Project would not result in a discernible change within the setting, beyond the establishment of a cycleway on the PRoW c. 125m north of the asset at the northern edge of Cobham Park and the redesign of the existing Halfpence Lane/Thong Lane roundabout in the north-western part of the park. This would not have an impact on	None	No change	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
										LB31, and so the Project would therefore have a neutral effect.			
LB312	1356588	Dovecote at Lodge Farm	II	High	None	The part of the Order Limits extending along Halfpence Lane is located c. 550m west of the asset and main alignment area is located c. 1.1km to the north. While Halfpence Lane is located within the setting of the asset it does not contribute to its value. Multi-utility network works taking place within Halfpence Lane will not cause any impacts to the asset.	None	No change	Neutral	The operational alignment would be located c. 1.1km to the north. It does not form part of the setting of the asset and the Project would not cause any impacts to it. There will be no change to noise levels in the vicinity of the asset. While distant lighting will increase due to the widening of the A2 corridor, this will be in an area which is already lit (see Appendix 7.9 (Application Document 6.2) and Figure 7.18 (Application Document 6.3)) and the change would not be of a scale which would harm the value of the asset.	None	No change	Neutral
LB321	1393973	Barrelled Lock Chamber, Sea Walls, Swing Bridge, Locks and Canal Basin	II	High	None	The setting does not extend to the Order Limits although a short-term main construction access route will be present immediately to the south of the asset along the existing Canal Road. The temporary additional traffic is not considered to result in harm to the asset, which is located within an urban area and in use as a harbour.	None	No change	Neutral	The setting does not extend to the land within the Order Limits.	None	No change	Neutral
LB327	1246068	The Obelisk	II	High	None	The setting does not extend to the land within Order Limits.	None	No change	Neutral	The setting does not extend to the land within the Order Limits.	None	No change	Neutral
LB328	1054085	Tudor Cottage	II	High	None	The setting does not extend to the land within Order Limits.	None	No change	Neutral	The setting does not extend to the land within the Order Limits.	None	No change	Neutral
LB4	1054827	Orchard House	II	High	None	The setting of this asset is primarily formed by the surrounding modern residential development and the asset is sited c. 110m to the north of the existing route of the A2/M2. Construction activity is likely to cause temporary minor changes to its setting by introducing additional noise, lighting and potentially partial glimpses of construction machinery along the route of the A2 and for utility works and	None	Negligible	Temporary slight adverse	The setting of this asset is primarily formed by its location on Hever Court Road and nearby historic buildings, situated close to the existing route of the A2/M2. In terms of long-term operational noise, there would be a negligible/no change compared to existing noise levels. The asset is located in a medium brightness urban area and the Project would not have an impact on its value due to lighting. The	None	No change	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
						establishment of an NMU route c. 60m south of the asset, from the rear upper stories of some of the buildings. This would cause a temporary negligible adverse impact to this high value asset, resulting in a slight adverse significance of effect.				operational phase would increase the size of the A2 but this would not be discernible from the asset and consequently they would experience an impact of no change and neutral effect.			
LB78	1252853	Baynards Cottage	II	High	None	LB78 is predicted to experience a temporary change to its setting. During construction, Utility Logistics Hub ULH13 would be established around 100m to the west and Ancient Woodland Mitigation Planting LE8.2 would subsequently take place to the west, south and east of the asset. This would result in a moderate magnitude temporary impact and a moderate adverse effect, which is assessed as significant.	Good practice.	Moderate	Temporary moderate adverse	The operation of the Project would not result in a change in noise levels in the vicinity of the asset. There may be a slight increase in lighting of the night-time environment due to the presence of lights along the main alignment leading to the southern tunnel portal. However, the lights would be located in a cutting c. 1km north-west of the asset and the light would be in the context of existing light spill from Gravesend. Ancient Woodland Mitigation Planting (LE8.2) would be established in the field immediately to the east and south of the asset, which is currently in use as arable farmland. This would effectively extend Shorne Woods northward adjacent to the asset. There would be an area of open grassland established as a buffer between the woodland planting and the property boundary of the asset. The connection of the asset with the arable landscape would remain to the north, visible from the principal elevation. However, the open arable land to the south would be replaced by woodland. This erosion of the open agricultural landscape would result in a minor magnitude impact.	Establishment of grassland buffer between the asset and the woodland planting.	Minor	Slight adverse
LB79	1262054	The Engine House, Cobham Hall	II	High	None	This asset is located within the bounds of RPG1 c. 130m south of the Order Limits and is separated from it by intervening	None	Negligible	Temporary Slight adverse	Although the asset's setting is formed by RPG1, it also already includes the existing A2 dual carriageway, and the	None	No change	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
						vegetation. The construction activity would temporarily introduce additional noise, lighting and visible construction machinery to the setting of this asset.				operation of the Project would not result in a discernible change within the setting, beyond the establishment of a cycleway c. 130m north at the northern edge of Cobham Park and the redesign of the existing Halfpence Lane/ Thong Lane roundabout in the north-western part of the park. The long-term operational noise change would not be discernably different from existing noise levels. The existing A2 in the vicinity and the Brewers Road overbridge are already lit (see Figure 7.18, Application Document 6.3) and therefore the night-time setting is not likely to be discernably changed. The Project would not have an impact on this asset.			
LB99	1341481	Barn to North West of Filborough Farmhouse	II	High	None	This asset is sited c. 975m to the north of the South Portal and c. 60m east of A226 Gravesend Road compound. The high value Grade II* listed Filborough Farmhouse (LB25), and the Grade II listed Granary at Little Filborough Farm (LB30) and the Barn to North West of Filborough Farmhouse (LB99) are predicted to experience a temporary change to their setting (Application Document 6.2, Figure 6.6, Viewpoint S-(CH)06). The works for the ground preparation tunnel would include tall construction machinery that would be visible from these assets and intrusive in the otherwise gently undulating surrounding landscape, an area with which they have a historical connection as adjacent farmland. Due to the presence of tall construction machinery, the good practice mitigation measure to screen construction compounds would not be	Good practice	Moderate	Temporary moderate adverse	This asset is located c. 975m to the north of the South Portal. While the new landform at Chalk Park would be visible, this would not harm the value of the asset. There would be no change to noise levels around the asset and the lighting change to the night-time environment is not likely to be discernable.	None	None	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
						effective in this location. This would result in a moderate magnitude temporary impact and a moderate adverse effect, which is assessed as significant. This is assessed to be moderate adverse, rather than large, due to the temporary nature of the construction activities and because the relationship between the three buildings, which is a key component of their setting that contributes to their value, would not be affected.							
LB333	1070548	29 and 31 Mackenders Lane	II	High	None	This asset is located within the residential area of Eccles, 730m south of the Order Limits. Its setting does not extend to the Order Limits.	None	No change	Neutral	This asset is located within the residential area of Eccles, 730m south of the Order Limits. Its setting does not extend to the Order Limits.	None	No change	Neutral
LB334	1070552	Hale Close	II	High	None	Hale Close is located within a discrete plot of land, slightly set back from the southern edge of Pilgrims Way. Its setting is influenced by its defined plot of land (relics of which survive from the illustrated 1869 OS map) and the rural character to the south of the building. The setting contributes in part to the significance of the building. Impacts to the asset will principally come from construction traffic along Pilgrims Way increasing noise. Mitigation would be in the form of good practice for construction.	Good practice	Minor	Temporary slight adverse	The asset is located 500m southeast of the Order Limits at the western Blue Bell Hill Site. Intervening properties on the northern side of Pilgrims Way and woodland prevent any visibility between the Order Limits and the asset; consequently the Order Limits do not contribute to the significance of the asset.	None	No change	Neutral
LB335	1070553	Little Culand, Farmhouse	II	High	None	Little Culand Farmhouse is located on the southern edge of Pilgrims Way, 190m south of the Order Limits. The setting of the farmhouse is principally informed by its location within the farmyard of Little Culand Farmstead (4744) and the buildings forming the farmstead. However, the original layout and character of the farmstead has changed since the 1960s,	Good practice	Minor	Temporary slight adverse	The asset does not hold any visibility to the Order Limits. This is due to the topography of Pilgrim's Way with the farmhouse located on a downslope; as well as surrounding vegetation creating an enclosed plot of land for the farmhouse.	None	No change	Neutral

Project ID	Source reference	Name	Grade	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
						with the original farmbuildings (such as the timber barn of asset 4640) being replaced by large sheet metal sheds. Consequently, the setting plays a limited part to the significance of the asset. Impact to setting during construction would occur from an increase in noise along Pilgrim Way from construction traffic.							
LB336	1099229	Robin Hood Public House	II	High		The asset is located 970m north west of the Order Limits. The public house is surrounded by woodland, producing an isolated setting off Common Road and preventing any visibility. Its setting does not extend to the Order Limits.	None	No change	Neutral	The asset is located 970m north west of the Order Limits. The public house is surrounded by woodland, producing an isolated setting off Common Road and preventing any visibility. Its setting does not extend to the Order Limits.	None	No change	Neutral
LB337	1363110	The Red Bull Public House	II	High	None	This asset is located within the residential area of Eccles, 780m south of the Order Limits. Its setting does not extend to the Order Limits.	None	No change	Neutral	This asset is located within the residential area of Eccles, 780m south of the Order Limits. Its setting does not extend to the Order Limits.	None	No change	Neutral

Table 1.13 Non-designated built heritage assessment table: South of the River Thames

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
1119	MKE84313	Jeskyns Court (Jeskins Court)	Medium	None	Works to a pylon c. 630m north of the asset and Ancient Woodland Mitigation Planting LE8.2 c. 820m north of the asset will not cause any harm to its value.	None	No change	Neutral	In terms of long-term operational noise, there would be a minor adverse change compared to existing noise levels (3 - 4.9db) which would not harm the value of the asset. The land within the Order Limits, and the operational alignment c. 1.1km to the north of the asset, do not contribute to its value. The addition and removal of vegetation on Winstead Hill and west of Henhurst Hill would not harm the asset.	None	No change	Neutral
1120	MKE84314	Dabbs Place Farm (Dabs Place)	Low	None	Works to a pylon c. 620m north of the asset and Ancient Woodland Mitigation Planting LE8.2 c. 800m north of the asset will not cause any harm to its value.	None	No change	Neutral	The setting does not extend to the operational alignment 1.1km to the north. The addition and removal of vegetation on Winstead Hill and west of Henhurst Hill would not harm the asset. In terms of long-term operational noise, there would be a negligible/no change compared to existing noise levels.	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
1126	MKE84358	Farmstead at Battle Street	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
1132	MKE84364	Thong Farmstead	Medium	None	Sited in close proximity to the Order Limits, construction activity along the main alignment c. 200m to the south-west, and OHL line removal immediately to the east, would temporarily introduce additional noise, lighting and visible construction activity and machinery to the setting of this asset.	None	Moderate	Temporary moderate adverse	The operation of a new motorway and large junction to the west and south-west of the asset would erode the rural setting to the west. However, this is not as prominent as its rural setting to the east which would be preserved. The relationship between the asset and Thong itself will not be altered.	Planting of the main alignment earthworks with Species-Rich Grassland LE1.3 to maintain a degree of the former openness.	Minor	Slight adverse
1133	MKE84365	Cheneys Farm	Medium	None	Sited in close proximity to the Order Limits, construction activity along the main alignment c. 270m to the south-west, and gas utility works c. 100m to the south, would temporarily introduce additional noise, lighting and visible construction activity and machinery to the	None	Moderate	Temporary moderate adverse	The operation of a new motorway and large junction to the north-west, west and south of the asset would greatly erode the rural setting which contributes to its value. However, the relationship between the asset and Thong itself will not be altered.	Planting of the main alignment earthworks with Species-Rich Grassland LE1.3 to maintain a degree of the former openness.	Moderate	Moderate adverse

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
					setting of this asset.							
1134	MKE84366	White Horse Cottage Farmstead	Medium	None	Associated with White Horse Cottage (LB22) this historic farmstead would be sited c. 200m east of the main alignment earthworks, and as such construction activity and gas utility works would temporarily introduce additional noise, lighting and visible construction activities and machinery to the setting of this asset.	Good practice	Moderate	Temporary moderate adverse	The operation of a new motorway and large junction to the north-west, west and south of the asset would greatly erode the rural setting which contributes to its value. However, the relationship between the asset, White Horse Cottage (LB22) and Thong itself will not be altered.	Planting of the main alignment earthworks with Species-Rich Grassland LE1.3 to maintain a degree of the former openness.	Moderate	Moderate adverse
1136	MKE84451	Park Pale Farm	Low	None	The setting of the asset no longer contributes to its value. Works would be along the existing infrastructure corridor of the A2. Setting has been altered by development of industrial park on site and therefore setting does not contribute to value.	None	No change	Neutral	Setting has been altered by development of industrial park on site and therefore setting does not contribute to value.	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
1139	MKE84454	Ifield Farm (Ifield Place)	Medium	None	Construction activity would be visible to the north-west and utility diversions would impact some of the associated farmland, leading to a small change to the wider agricultural setting. Ancient Woodland Mitigation Planting LE8.2 would take place in the arable field c. 50m south-west of the asset. These activities would introduce additional light, noise and dust into the rural setting of the asset,	None	Minor	Temporary Slight adverse	The landscaping around the operational alignment would be distantly visible c. 800m and more to the west of the asset. Ancient Woodland have replaced the arable land c. 50m south-west of the asset which would have a minor impact on this historic farmstead as a result of the change of use of agricultural land.	None	Minor	Slight adverse
1140	MKE84455	Outfarm in Upper Ifield	Medium	None	The Shorne Ifield Road Utility Hub would be located c. 140m west of the farmstead. Woodland planting as ecological mitigation would occur in the field to the south of the asset across the Shorne Ifield Lane,, which is currently in use as arable farmland. The temporary introduction of introduce	None	Minor	Temporary Slight adverse	Ancient Woodland Mitigation Planting LE8.2 as ecological mitigation would occur in the field to the south of the asset and c. 350m, areas currently in use as arable farmland. The loss of part of the surrounding arable landscape which contributes to the value of the asset through its illustrative historical value	None	Minor	Slight adverse

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
					additional noise, light and sound into the setting of the asset which would harm its rural setting.				as a former farmstead and to its aesthetic value would result in a minor adverse impact.			
1142	MKE84457	Smith Street Farm (Smiths Farm)	Medium	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
1143	MKE84458	Court Lodge Farm	Low	None	Sited adjacent to the A226 (Gravesend Road) which would be used as a Long Term - Online - Main construction access route. This would temporarily introduce additional traffic to the setting of this asset, and this would have a minor impact on this asset. The impact is assessed as slight rather than neutral due to the proximity of the asset to the A226.	None	Minor	Temporary Slight adverse	The land within the Order Limits does not contribute to the value of the asset.	None	No change	Neutral
1146	MKE84461	East Court Farm	Medium	None	Current peaceful rural surroundings that contribute to their value would be affected by an increase in noise but there would be little change to their	None	Minor	Temporary Slight adverse	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
					visual surroundings both because of the distance to the construction activity and because their settings are largely enclosed by vegetation.							
1147	MKE84463	Filborough Farm	Medium	None	Associated with LB25 and LB99, this historic farmyard is sited to the north of the South Portal and close to A226 Gravesend Road compound. The construction activity would temporarily change the current peaceful rural setting and would cause a moderate impact to this medium value asset, resulting in a moderate adverse effect.	Good practice	Moderate	Temporary Moderate adverse	None	None	No change	Neutral
1152	MKE88664	Farmstead south-west of Crutches Farm	Low	None	The asset is sited c. 140m to the north-east of the existing route of the A2/M2 and c. 30m north of a slip road. Construction activity is likely to cause temporary minor changes to its setting by introducing additional noise, lighting and potentially partial	Good Practice	Negligible	Neutral	Although partly surrounded by residential development the asset derives some value from its setting, primarily from its location on Old Watling Street nearby Grade II listed Crutches Gate Cottage and Farmhouse and the surviving open landscape to the north and north-west.	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
					glimpses of construction machinery along the route of the A2 and for utility works and a long-term online main construction access route along the slip road. This would cause a temporary negligible adverse impact to this asset.				Although the land within the Order Limits form part of its setting (as the A2/M2 and roadside planting) it does not contribute to the value of the asset. The operational phase would increase the size of the A2/M2 but this would not adversely impact upon the setting of the asset.			
1154	MKE88855	Hillside Farm	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment.	None	No change	Neutral
1282	TQ 57 SE 277	North Kent Railway	Low	None	The small change to setting due to presence of Milton compound adjacent would not alter the value of the railway.	None	No change	None	The operational alignment and permanent landscaping elements are not in areas that contribute to the value of the asset.	None	No change	Neutral
1304	TQ 66 NE 206	Gardener's Cottage, Cobham Hall	Medium	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
1310	TQ 66 NE 223	18th century icehouse, Cobham Hall	Medium	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
1311	TQ 66 NE 224	Shorne Woods Country Park	Medium	Gas and multi-purpose utility works will take place along the southern edge of the asset parallel to A2. Construction of the main alignment enlargement of the A2 and adjacent landscape mitigation within the southern edge of the asset. This would result in a permanent minor adverse impact.	Construction of the Project would introduce additional light, noise and dust into the setting of the asset. This would result in a temporary minor adverse impact.	Good practice	Minor	Permanent slight adverse	The long-term operational noise change would not be discernibly different from existing noise levels across much of Shorne Woods. The southern edge and the south-western area of the woods will see minor and moderate beneficial changes to noise levels. Enlargement of the road infrastructure to the south and south-west of the asset and slight reduction in the amount of trees along the southern border of the asset. The asset is already separated from Cobham Park (RPG1) by extensive road infrastructure and this increase is considered to result in a minor impact overall.	None	Minor	Slight adverse

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
1352	TQ 66 NE 96	Lady Darnley's Garden	Medium	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
1410	TQ 67 SE 1160	East Court Farm Second World War road block buoys, Church Lane, Chalk	Low	None	The land within the Order Limits does not contribute to the value of the asset.	None	No change	Neutral	The land within the Order Limits does not contribute to the value of the asset.	None	No change	Neutral
1422	TQ 67 SE 1185	Milton 19th/20th century rifle range, Eastcourt Marshes, Gravesend	Low	None	Milton compound will be established within the southern part of the asset. Although the former historic structures are located outside of this area, there is potential for a physical impact on structures or features which are unrecorded and associated with 19th or 20th-century use of the firing range.	Archaeological Excavation and Recording	Minor	Permanent slight adverse	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
1424	TQ 67 SE 1193	Shorne Hill Second World War spigot mortar emplacement, Shorne	Low	None	Construction activity visible in views to west would compromise the intelligibility of the former Gravesend Airfield and its surrounding landscape, which forms an important	None	Moderate	Temporary slight adverse	The main alignment cutting, Chalk Park earthworks and associated landscaping such as attenuation ponds visible in views to west would compromise the intelligibility of the former	None	Moderate	Slight adverse

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
					element of the setting of the asset that contributes to its value.				Gravesend Airfield and its surrounding Chalk plateau landscape, which forms an important element of the setting of the asset that contributes to its value.			
1435	TQ 67 SE 1214	Polperro' Second World War, anti-aircraft headquarters, Rochester Road, Chalk	Low	None	Sited in vicinity of the Order Limits, construction activity along the new route of the A122 would temporarily introduce additional noise, lighting and visible construction activity and machinery to the setting of this asset, resulting in negligible adverse impact.	None	Negligible	Temporary slight adverse	The operation of the A122 is assessed to constitute a negligible impact on this low value asset.	None	Negligible	Neutral
1449	TQ 67 SE 20	Thames and Medway Canal	Medium	A ground protection shaft tunnel will be excavated within the base of the canal.	None	The condition of the canal will be restored following completion of construction	Moderate	Temporary Moderate adverse	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
1455	TQ 67 SE 214	Spigot mortar emplacement, Shorne	Low	None	Construction activity visible in views to west would compromise the intelligibility of the former Gravesend Airfield and its surrounding landscape,	None	Moderate	Temporary slight adverse	The main alignment cutting, Chalk Park earthworks and associated landscaping such as attenuation ponds visible in views to west would compromise the	None	Moderate	Slight adverse

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
					which forms an important element of the setting of the asset that contributes to its value.				intelligibility of the former Gravesend Airfield and its surrounding Chalk plateau landscape, which forms an important element of the setting of the asset that contributes to its value.			
1561	TQ 67 SE 367	WW1 Homes for Heroes scheme houses, Thong Lane, Shorne, Gravesham	Low	The eastern edge of the associated garden plot would be removed for the realignment of Thong Lane. This effect is assessed to be slight rather than neutral due to the permanent reduction in the size of the original garden plot.	Construction activity along the Project route, comprising earthworks for the cutting of the road and utility diversions, and this would temporarily introduce additional noise, lighting and visible construction activity and machinery to the asset's setting.	Good practice	Temporary Moderate, permanent minor	Slight adverse, permanent slight adverse	Setting of the buildings would be altered by the presence of the main alignment and the realignment of Thong Lane at the Thong Lane green bridge. Their relationship with the rest of the village and their associated barns would not change.	Woodland planting LE2.11	Moderate	Slight adverse
1562	TQ 67 SE 368	Caves converted to air raid shelters, Thong Lane, Shorne, Gravesham	Low	Removed during establishment of construction haul road, utility works and multi-utility networks.	Construction activity would affect relationship between asset and Thong.	Historic building recording (AMS-OWSI No. 2)	Moderate	Permanent slight adverse	N/A due to removal during construction.	N/A	N/A	Neutral
1720	MKE84356	Rookery Farm	Medium	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
1842	Site Walkover	Probable air raid shelter, with associations to former RAF camp in area.	Low	None	No change to the relationship with the site of the camp in which it is located and therefore no change to setting.	None	No change	Neutral	No change to the relationship with the site of the camp in which it is located and therefore no change to setting.	None	No change	Neutral
1874	Site Walkover	WWII air raid shelter	Low	None	Construction activity would add further modern disturbance into area between asset and associated assets to south of A2	Fencing to preserve asset during construction	No change	Neutral	The widened A2 would increase the modern infrastructure corridor in the area between asset and associated assets to south of A2 (if asset not completely removed).	None	Minor	Slight adverse
1875	Site Walkover	WWII air raid shelter	Low	Asset would be removed during utility groundworks (gas) and establishment of Native Woodland LE2.1	Construction activity would add further modern disturbance into area between asset and associated assets to south of A2	Building recording	Moderate	Permanent slight adverse	The widened A2 would increase the modern infrastructure corridor in the area between asset and associated assets to south of A2 (if asset not completely removed).	None	Minor	Slight adverse
2277	TQ 66 NE 45	Remains of Cobham windmill	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
2464	TQ 66 NE 190	Meadow Rooms Second World War First Aid Post, The Street, Cobham	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
3052	TQ 67 SE 1237	Milestone on Gravesend Road, Shorne	Low	None	The asset's principal relationship is with the A226, which would not be harmed by the construction of the Project.	None	No change	Neutral	The asset's principal relationship is with the A226, which would not be harmed by the operation of the Project.	None	No change	Neutral
3179	MKE84355	Parsonage Farm (Pickles)	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
3180	MKE84357	Cobhambury Farm	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
3182	MKE84369	Lodge Farm	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
3187	TQ 66 NE 219	Oast in Cobham	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
3208	TQ 66 NE 228	Stable at Rookery Farm	Medium	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
3209	TQ 66 NE 229	Cartshed at Rookery Farm	Medium	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
3210	TQ 66 NE 230	Shelter shed at Rookery Farm	Medium	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
3268	TQ 66 NE 232	Cobham Hall Hospital, Cobham, Dartford	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
3291	TQ 67 SE 1045	Two concrete platforms near the Sea Training Centre, Gravesend	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
3332	TQ 67 SE 1029	Wharf, Gravesend	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
3334	TQ 67 SE 1031	Wharf, Gravesend	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
3336	TQ 67 SE 1033	Mooring post on foreshore by Shorne Marshes	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
3404	TQ 67 SE 1006	Primitive Methodist chapel, The Street, Shorne	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
3448	TQ 66 NE 233	Early 19th century Wash House, Rose Cottage, Cobham	Low	None	Multi-utility network works in Halfpence Lane c.20m to the east will introduce noise and construction activity to the rural village setting. The effect is considered to be minor rather than neutral as the works will have cause a noticeable adverse change, albeit a temporary one.	None	Minor	Temporary Slight Adverse	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
4160	K340202	Marling Manor, Watling Street, Gravesend, DA12 5UD	Low	None	Construction activity would introduce additional light, sound and dust in close proximity to this asset which would have negatively alter its setting.	Good practice	Major	Temporary moderate adverse	The southern part of the grounds of the building would form part of the main alignment and cutting. The wooded grounds of the asset would be replaced within the Order Limits by open Species-Rich Grassland LE1.3. The now	None	Moderate	Slight adverse

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
									open principal southward aspect from the building would be dominated by the greatly expanded road network which would further erode the formerly semi-rural character of its setting. In terms of long-term operational noise, there would be a moderate beneficial change compared to existing noise levels.			
4161	K805878	Boughurst Cottage, Brewers Road, Shorne, Gravesend, DA12 3HD	Low	None	Located outside the Order Limits. Construction of the main alignment, Brewers Road overbridge and utility diversions along Brewers Road would introduce additional noise, lighting and visible construction activity into its setting, although its setting is enclosed by trees, which separate it from the existing A2 and the proposed construction area.	None	Moderate	Temporary Slight Adverse	Presence of the M2/A2/ Lower Thames Crossing junction would increase the road infrastructure located close to this asset, but its enclosed setting means that it would not experience a large change. The long-term operational noise change would not be discernibly different from existing noise levels	None	Negligible	Slight adverse

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
4162	K859396	The Nook, Watling Street, Cobham, Gravesend, DA12 3BH	Low	None	Located immediately south of the Order Limits. Construction of the M2/A2/Lower Thames Crossing junction would introduce additional noise, lighting and visible construction activity into its setting, but its setting is enclosed by trees belts either side of HS1, which separate it from the existing A2 and the construction activity. However, additional light, noise and dust would adversely alter its setting.	None	Moderate	Temporary Slight Adverse	In terms of long-term operational noise, there would be a moderate beneficial change compared to existing noise levels. The presence of the M2/A2/ Lower Thames Crossing junction would increase the road infrastructure located close to this asset, but its enclosed setting means that it would not experience a large degree of change. The effect is considered to be neutral rather than slight given that large-scale road infrastructure and an overbridge already exist in the vicinity of the asset and the noise levels will improve.	None	Negligible	Neutral
4210	TQ 77 SE 1314	Hoo junction and Port Victoria railway	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment.	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
4216	TQ 77 SW 53	Bridge No. 7	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
4217	TQ 67 SE 344	Lifting bridge over Thames and Medway Canal	Medium	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
4272	MKE83222	King's Farm	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
4279	TQ 67 SE 293	Queen's Farm	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
4293	TQ 77 SW 1070	British Uralite Factory, Higham	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
4344	Lower Thames Crossing	Homes for Heroes semi-detached cottages east of Church Lane with one associated shed	Low	None	Current peaceful rural surroundings including land that contributes to their value would be affected by an increase in noise and construction activity associated with	None	Moderate	Temporary slight adverse	No change	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
					A226 Gravesend Road compound.							
4345	Lower Thames Crossing	Homes for Heroes semi-detached cottages west of Church Lane with associated sheds	Low	None	Current peaceful rural surroundings including land that contributes to their value would be affected by an increase in noise and construction activity associated with A226 Gravesend Road compound.	None	Moderate	Temporary slight adverse	No change	None	No change	Neutral
4346	Lower Thames Crossing	Homes for Heroes semi-detached cottage off Church Lane	Low	None	Current peaceful rural surroundings including land that contributes to their value would be affected by an increase in noise and construction activity associated with A226 Gravesend Road compound.	None	Moderate	Temporary slight adverse	No change	None	No change	Neutral
4347	Lower Thames Crossing	Homes for Heroes barn off Lower Higham Road	Low	None	Current peaceful rural surroundings including land that contributes to their value would be affected by an increase in noise and construction activity associated with	None	Moderate	Temporary slight adverse	No change	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
					A226 Gravesend Road compound.							
4348	Stakeholder identified	Thong Lodge	Medium	None	The A2 compound would be located c. 185m west of the asset and the main alignment c. 500m to the west and these would introduce visible construction activity, noise and lighting. The rising earthworks for the raised alignment would be established immediately west of the A2 compound. The construction activities would introduce visible construction activity, noise and lighting.	Good practice	Moderate	Temporary slight adverse	The long-term operational noise would result in no change/negligible change which would not be discernibly different from existing noise levels. The relationships between the asset and Thong Village (CA10) and Shorne Woods Country Park (1311) would not be altered. The widened A2 corridor would be located between the asset and Cobham Park, but this relationship has already been greatly altered by the existing infrastructure corridor. The effect is assessed as slight rather than neutral due to the scale of change. The main alignment will be visible from the vicinity of Thong Lodge, replacing part of the rural landscape to the	Native Woodland LE2.1 and Woodland Edge Planting LE2.2	Minor	Slight adverse

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
									west of the asset which makes a minor contribution to its value.			
4349	Stakeholder identified	Thong Mead	Low	None	The A2 compound would be located approximately 50m west of the asset and the main alignment c.400m to the west. The rising earthworks for the raised alignment would be established immediately west of the A2 compound. The construction activities would introduce visible construction activity, noise and lighting.	Good Practice	Moderate	Temporary Slight Adverse	The long-term operational noise would result in no change/negligible change which would not be discernibly different from existing noise levels. The M2/A2/ Lower Thames Crossing junction and associated earthworks would be located approximately 170m from the asset, replacing the current rural landscape visible from the principal elevation. The new SWCP carpark would also be located c. 60m south-west of Thong Mead, across Thong Lane. While the views of the operational alignment and carpark can be screened by woodland planting this would still replace the current rural landscape which contributes to the aesthetic value of	Native Woodland LE2.1 and Woodland Edge Planting LE2.2	Moderate	Slight adverse

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
									the asset. The relationship with Thong Lane and Thong Village would not be altered.			
4401	TQ 67 SE 367	WW1 Homes for Heroes scheme houses, Thong Lane, Shorne, Gravesham	Low	None	Construction activity along the Project route, comprising earthworks for the cutting of the road and utility diversions, and this would temporarily introduce additional noise, lighting and visible construction activity and machinery to the asset's setting.	Good practice	Moderate	Temporary slight adverse	Setting of the buildings would be altered by the presence of the main alignment and the realignment of Thong Lane at the Thong Lane green bridge. Their relationship with the rest of the village and their associated barns would not change.	None	Moderate	Slight adverse
4402	TQ 67 SE 367	WW1 Homes for Heroes scheme houses, Thong Lane, Shorne, Gravesham	Low	None	Construction activity along the Project route, comprising earthworks for the cutting of the road and utility diversions, and this would temporarily introduce additional noise, lighting and visible construction activity and machinery to the asset's setting.	Good practice	Moderate	Temporary slight adverse	Setting of the buildings would be altered by the presence of the main alignment and the realignment of Thong Lane at the Thong Lane green bridge. Their relationship with the rest of the village and their associated barns would not change.	None	Moderate	Slight adverse

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
4403	TQ 67 SE 367	WW1 Homes for Heroes scheme houses, Thong Lane, Shorne, Gravesham	Low	None	Construction activity along the Project route, comprising earthworks for the cutting of the road and utility diversions, and this would temporarily introduce additional noise, lighting and visible construction activity and machinery to the asset's setting.	Good practice	Moderate	Temporary slight adverse	Setting of the buildings would be altered by the presence of the main alignment and the realignment of Thong Lane at the Thong Lane green bridge. Their relationship with the rest of the village and their associated barns would not change.	None	Moderate	Slight adverse
4404	Lower Thames Crossing	WW1 Homes for Heroes scheme houses, Shorne Ifield Road	Low	None	Construction activity along the Project route, comprising earthworks for the cutting of the road and utility diversions and landscaping works would temporarily introduce additional noise, lighting and visible construction activity and machinery to the asset's setting.	Good practice	Moderate	Temporary slight adverse	None	None	No impact	Neutral
4405	Lower Thames Crossing	WW1 Homes for Heroes semi-detached cottages, Church Lane, Chalk	Low	None	Construction activity along the Project route, including southern tunnel entrance compound, earthworks for the cutting of the road and utility diversions, and this would temporarily	Good practice	Moderate	Temporary slight adverse	Although the Chalk Park earthworks would be visible c. 350m west of the asset, this is not considered to harm its value which is principally derived from its built fabric, garden plot and	None	No impact	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
					introduce additional noise, lighting and visible construction activity and machinery to the asset's setting.				the immediately surrounding agricultural land.			
4406	Lower Thames Crossing	WW1 Homes for Heroes semi-detached cottages, Gravesend Road/ Filborough Way junction, Chalk	Low	None	Construction activity along the Project route, including the southern tunnel entrance compound and A226 Gravesend Road compound, earthworks for the cutting of the road and utility diversions, and this would temporarily introduce additional noise, lighting and visible construction activity and machinery to the asset's setting.	Good practice	Moderate	Temporary slight adverse	None	None	No impact	Neutral
4407	Lower Thames Crossing	WW1 Homes for Heroes semi-detached cottages and barns, Castle Lane, Chalk	Low	None	Construction activity along the Project route, including A226 Gravesend Road compound would temporarily introduce additional noise, lighting and visible construction activity and machinery to the asset's setting.	Good practice	Moderate	Temporary slight adverse	None	None	No impact	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
4408	Lower Thames Crossing	WW1 Homes for Heroes semi-detached cottages, Gravesend Road/ Filborough Way junction, Chalk	Low	None	Construction activity along the Project route, including A226 Gravesend Road compound, would temporarily introduce additional noise, lighting and visible construction activity and machinery to the asset's setting.	Good practice	Moderate	Temporary slight adverse	None	None	No impact	Neutral
4517	MKE78151	Milestone, Maidstone Road (was B2097), Bluebell Hill Village, Aylseford	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4521	MKE84655	Little Tottington Farm	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4522	MKE84717	Warren Farm	Low	None	None. Wood Farm fronts Lower Warren Road and is located 400m west of the Order Limits. Warren Farm is surrounded by Frith Wood to the north and Westfield Wood to the east and south, preventing any visual connection to the Bluebell Hill Site.	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
4524	MKE84719	Farmstead in Frith Wood	Low	None	Moderate caused by construction traffic entering the Bluebell Hill Site, from Warren Road, at the asset's entrance.	Good Practice	Minor	Temporary slight adverse	None- rural setting will be maintained and open space to the rear will be maintained.	None	No change	Neutral
4525	MKE84731	Cossington Fields Farm South	Low	None	Current rural setting would be altered through construction activity and vehicle movements, in close proximity to the asset due to activity within the Nitrogen Deposition Area at Kit's Coty. Impacts may come through an increase in noise, vibration and dust from the construction activity.	Good Practice	Moderate	Permanent slight adverse	The introduction of tree planting would enclose the setting of the asset, removing previous views across arable land to the south, which contribute in part to the asset's significance through a historic functional relationship. Design mitigation has provided a buffer to the asset, to maintain some open land and preserve some space around the asset.	Design- buffer provided to avoid enclosing the asset in trees.	Minor	Slight adverse
4529	MKE84776	Westfield Sole Farm	Medium	None	Negligible due to construction activity along Harp Farm Road to an access point at the junction with Bell Lane.	None	Negligible	Neutral	None- Asset is 235m east of the Order Limits. Open space will be maintained, including farmland which the asset has a functional relationship with.	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
4577	MKE115470	Second World War Type 23 Pillbox visible on a 1946 vertical AP. Still extant in the back garden of a house.	Low	None	The pillbox is located within the area of Gravesend Airfield (1459), for which it holds a functional and historic association. Gravesend Airfield would be removed in part due to construction compound CA3. However, the current landscape, including the introduction of the Riverview Park, which asset 4572. Consequently, any understanding of this association has been severed in the present day and therefore does not contribute to the significance of asset 4577.	None required	No change	Neutral	None	None required	No change	Neutral
4592	LTC identified	Barrett's Folly	Low	None	Sited adjacent to the A226 (Gravesend Road) which would be used as a Long Term - Online - Main construction access route. This would temporarily introduce additional traffic to the setting of this asset, and this would have	None	Minor	Temporary Slight adverse	The land within the Order Limits does not contribute to the value of the asset.	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
					a minor impact on this asset. The impact is assessed as slight rather than neutral due to the proximity of the asset to the A226.							
4597	TQ 67 SE 367	WW1 Homes for Heroes scheme houses, Thong Lane, Shorne, Gravesham	Low	None	Construction activity along the Project route, comprising earthworks for the cutting of the road and utility diversions, and this would temporarily introduce additional noise, lighting and visible construction activity and machinery to the asset's setting.	Good practice	Moderate	Temporary slight adverse	Setting of the buildings would be altered by the presence of the main alignment and the realignment of Thong Lane at the Thong Lane green bridge. Their relationship with the rest of the village and their associated barns would not change.	None	Moderate	Slight adverse
4598	TQ 67 SE 367	WW1 Homes for Heroes scheme houses, Thong Lane, Shorne, Gravesham	Low	None	Construction activity along the Project route, comprising earthworks for the cutting of the road and utility diversions, and this would temporarily introduce additional noise, lighting and visible construction activity and machinery to the asset's setting.	Good practice	Moderate	Temporary slight adverse	Setting of the buildings would be altered by the presence of the main alignment and the realignment of Thong Lane at the Thong Lane green bridge. Their relationship with the rest of the village and their associated barns would not change.	None	Moderate	Slight adverse

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
4599	TQ 67 SE 367	WW1 Homes for Heroes scheme houses, Thong Lane, Shorne, Gravesham	Low	None	Construction activity along the Project route, comprising earthworks for the cutting of the road and utility diversions, and this would temporarily introduce additional noise, lighting and visible construction activity and machinery to the asset's setting.	Good practice	Moderate	Temporary slight adverse	Setting of the buildings would be altered by the presence of the main alignment and the realignment of Thong Lane at the Thong Lane green bridge. Their relationship with the rest of the village and their associated barns would not change.	None	Moderate	Slight adverse
4600	TQ 67 SE 367	WW1 Homes for Heroes scheme houses, Thong Lane, Shorne, Gravesham	Low	None	Construction activity along the Project route, comprising earthworks for the cutting of the road and utility diversions, and this would temporarily introduce additional noise, lighting and visible construction activity and machinery to the asset's setting.	Good practice	Moderate	Temporary slight adverse	Setting of the buildings would be altered by the presence of the main alignment and the realignment of Thong Lane at the Thong Lane green bridge. Their relationship with the rest of the village and their associated barns would not change.	None	Moderate	Slight adverse
4601	LTC identified	WW1 Homes for Heroes semi-detached cottage and garden, Church Lane, Chalk.	Low	None	Construction activity along the Project route, including southern tunnel entrance compound, earthworks for the cutting of the road and utility diversions, and this would temporarily introduce	Good practice	Moderate	Temporary Slight adverse	Although the Chalk Park earthworks would be visible c. 350m west of the asset, this is not considered to harm its value which is principally derived from its built fabric, garden plot and the immediately	None	No impact	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
					additional noise, lighting and visible construction activity and machinery to the asset's setting.				surrounding agricultural land.			
4602	LTC identified	WW1 Homes for Heroes semi-detached cottage, barn and garden, Church Lane, Chalk.	Low	None	Current peaceful rural surroundings including land that contributes to their value would be affected by an increase in noise and construction activity associated with A226 Gravesend Road compound.	None	Moderate	Temporary slight adverse	No change	None	No change	Neutral
4603	LTC identified	WW1 Homes for Heroes cottage and gardens, Castle Lane, Chalk	Low	None	Current peaceful rural surroundings including land that contributes to their value would be affected by an increase in noise and construction activity associated with A226 Gravesend Road compound.	None	Moderate	Temporary slight adverse	No change	None	No change	Neutral
4604	LTC identified	WW1 Homes for Heroes semi-detached cottage, garden and barn, Castle Lane, Chalk.	Low	None	Current peaceful rural surroundings including land that contributes to their value would be affected by an increase in noise and construction activity associated with	None	Moderate	Temporary slight adverse	No change	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
					A226 Gravesend Road compound.							
4605	LTC identified	WW1 Homes for Heroes semi-detached cottage, barn and garden, Church Lane, Chalk.	Low	None	Current peaceful rural surroundings including land that contributes to their value would be affected by an increase in noise and construction activity associated with A226 Gravesend Road compound.	None	Moderate	Temporary slight adverse	No change	None	No change	Neutral
4606	LTC identified	WW1 Homes for Heroes semi-detached cottage and garden, Gravesend Road/ Filborough Way Junction, Chalk.	Low	None	Current peaceful rural surroundings including land that contributes to their value would be affected by an increase in noise and construction activity associated with A226 Gravesend Road compound.	None	Moderate	Temporary slight adverse	No change	None	No change	Neutral
4607	LTC identified	WW1 Homes for Heroes semi-detached cottage, barn and garden, Church Lane, Chalk.	Low	None	Current peaceful rural surroundings including land that contributes to their value would be affected by an increase in noise and construction activity associated with	None	Moderate	Temporary slight adverse	No change	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Overall construction impact	Construction effect	Operation setting impact	Operation mitigation	Overall operation impact	Operation effect
					A226 Gravesend Road compound.							
4629	MKE100036	Methodist Church, Church Street, Burham	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4741	MKE8456	Outfarm in Eccles	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4749	MKE84640	Farmstead in Burham	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4750	MKE84654	Farmstead in Upper Bell	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral

Table 1.14 Non-designated archaeology within the Order Limits assessment table: South of the River Thames

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
667	413713	Findspot of five Roman miniature pots	Negligible	The location of this findspot is unclear. 1582 is also recorded as a potential findspot. There will be no impact as the finds have been removed.	N/A due to physical removal.	None	No change	Neutral	N/A	None	No change	Neutral	N/A	N/A	N/A
675	413749	A group of pits of uncertain date, situated on the chalk on the eastern edge of Gravesend	Low	Asset will be removed during construction of southern tunnel entrance compound.	N/A due to physical removal.	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
677	413760; LTC geophysical survey and ATT		Low	Majority of asset would be removed through the establishment of the A2 West Utility Logistics Hub (ULH 14), LTC A2 Junction (main alignment), associated landscaping, utilities working areas, and A2 Construction Compound.	Retained areas would experience construction/utility activity taking place in close proximity with associated noise and visual disturbance.	Archaeological excavation and recording	Moderate	Permanent slight adverse	Due to change in character from rural to urban Elements of rural character will be present and remains preserved in situ will benefit from space provided for Thong Conservation Area	None	Minor	Slight adverse	N	N	N
688	416214	Neolithic axe found near Knight's Place, Cuxton	Negligible	None. The find has been previously removed and the modern A2 constructed	N/A due to previous physical removal.	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
				across this location.											
703	765312	Trackway with flanking ditches	Low	The part of the asset within the Order Limits would be removed during construction of the southern tunnel portal compound.	Works within and adjacent to the asset and removal of associated features.	Archaeological excavation and recording	Moderate	Permanent slight adverse	None	None	No change	Neutral	N	N	N
721	1084628	Lower Palaeolithic handaxe and retouched flake	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
762	1549982	The earthworks of two possible Post-Medieval woodland banks and flanking ditches, Claylane Wood	Low	Assets will be partially removed during utility groundworks (gas and multi-utility) and subsequent landscape planting LE2.2 Woodland Edge. The effect is assessed as neutral rather than slight due to the small part of the asset that would be removed.	None	Archaeological excavation and recording	Minor	Neutral	None	None	No change	Neutral	N	N	N
763	1549990	The earthwork of a possible Post-Medieval sand pit can be seen in Claylane Wood	Negligible	A small part of the upper fill of the asset would be partially removed during construction of cycleway.	None	Archaeological excavation and recording	Negligible	Neutral	None	None	No change	Neutral	N	N	N
768	1550247	The earthwork remains of a 20 th century	Negligible	Utilities and drainage works will take place in	None	None	Negligible	Neutral	None	None	No change	Neutral	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
		golf course on Filborough Marshes		a narrow corridor across the southern edge of the former golf course.											
774	1550459	Possible Late Prehistoric or Roman Enclosure cropmarke to the north of Harts Hill	Medium	Removal of the asset through a combination of the mains works area, utility working area, Southern Tunnel Entrance Compound and Ancient Woodland Mitigation Planting LE8.2	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Moderate adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
775	1550460	The cropmarks of a probable Later Prehistoric enclosure and associated boundary ditch situated on the eastern slope of a coombe on the eastern edge of Gravesend	Medium	Asset will be removed during construction of Southern Tunnel Entrance Compound and landscaping.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Moderate adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
776	1550461	The cropmark of a possible Post-Medieval chalk pit situated south of Chalk	Low	Asset will be removed during construction of southern tunnel entrance compound.	N/A due to physical removal	None	Major	Permanent slight Adverse	N/A	None	No change	Neutral	Y	N	N
777	1550462	The cropmark of a possible Post-Medieval chalk pit situated to the south of Chalk	Low	Asset will be removed during construction of southern tunnel portal entrance compound.	N/A due to physical removal	None	Major	Permanent slight Adverse	N/A	None	No change	Neutral	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
779	1550465	Cropmarks of Iron Age or Roman field boundaries	Low	Asset will be removed during construction of the southern tunnel entrance compound.	N/A due to physical removal.	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A	None	No change	Neutral	Y	N	N
780	1550473	The earthwork of a Post-Medieval water channel situated on Filborough Marshes	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N	N/A	N/A
781	1550474	The earthwork of a Post-Medieval water channel situated on the southern edge of Filborough Marshes.	Low	A cut and cover drainage channel would be cut across part of the asset.	None	Archaeological excavation and recording	Minor	Permanent Slight Adverse	None	None	No change	Neutral	N	N	N
787	1551274, LTC ATT WSI no. T	A Post-Medieval field boundary surviving as hedgerows, banks and a below-ground ditch	Low	The asset would be completely removed during construction of southern tunnel entrance compound.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
788	1551276	A linear ditch, possibly a later prehistoric or Roman field boundary seen as a cropmark	Low	The asset would be completely removed during construction of southern tunnel entrance compound.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
789	1551290	The slight earthwork remains of a former sea wall on Filborough Marshes	Low	None	None	None required	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
792	1551384	The cropmarks of two possible Post-Medieval chalk pits, situated to the north of Harts Hill.	Negligible	Asset would be completely removed during construction of southern tunnel entrance compound and landscaping.	N/A due to physical removal during construction	None	Major	Permanent slight Adverse	N/A	None	No change	Neutral	Y	N	N
793	1551393	The cropmarks of two possible Post-Medieval chalk pits, situated to the north of Harts Hill, located within an area of dense archaeological activity	Low	Asset would be completely removed the establishment of the Southern Tunnel Entrance Compound.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	None	No change	Neutral	Y	N	N
796	1551429	The cropmark of a ditch, maybe Roman in date.	Low	The asset would be completely removed during construction of the southern tunnel portal compound.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal.	Y	N	N
798	LTC ATT WSI T, HEA/NMP 1551441	The cropmarks of two ditches of uncertain date, west of Muggins Lane and less than a metre wide.	Low	The asset will be completely removed as a result of a combination of the mains works area, utility working area and establishment of the Southern	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A	N/A	N/A	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
				Tunnel Entrance Compound.											
801	1551783	The remains of field boundary banks, situated on the eastern edge of Gravesend south of Chalk	Negligible	The majority of the asset will be removed during construction of the southern tunnel portal entrance compound.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Neutral	Agricultural landscape will be replaced with woodland, chalk grassland, and partially reinstated as agricultural land	None	Moderate	Slight adverse	N	N	N
802	1551786	The remains of three field boundary banks, situated on the eastern edge of Gravesend south of Chalk	Negligible	Asset will be removed during construction of the southern tunnel entrance compound.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
803	1551789	The remains of three possible Post-Medieval field banks, situated to the south of Chalk	Negligible	Asset will be removed during construction of the southern tunnel entrance compound.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
804	1551791	The cropmark of a continuation of an east-west trackway, situated to the south of Chalk	Low	The asset will be removed during construction of the southern portal tunnel entrance compound.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
805	1551913	The slight earthwork remains of a Post-Medieval chalk pit. This oval chalk pit survives as a slight depression within an arable field, with	Low	Asset will be removed during construction of southern tunnel entrance compound and landscaping.	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A	None	No change	Neutral	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
		archaeological activity in the vicinity.													
832	MKE66621	Iron Age copper alloy stud	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
833	MKE66622	Post-Medieval pewter bell	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
835	MKE66647	Iron Age copper alloy strap fitting	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
836	MKE66652	Roman copper alloy brooch	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
839	MKE66671	Roman copper alloy brooch	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
840	MKE66684	Roman copper alloy vessel	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
841	MKE66687	Medieval copper alloy buckle	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
842	MKE66688	Medieval copper alloy buckle	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
843	MKE66689	Medieval lead bird feeder	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
844	MKE66690	Medieval silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
845	MKE66691	Post-Medieval silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
846	MKE66692	Post-Medieval copper alloy buckle	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
847	MKE66693	Post-Medieval copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
848	MKE66696	Early Medieval silver strap fitting	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
849	MKE66702	Iron Age gold coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
850	MKE66703	Roman base silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
851	MKE66704	Roman silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
854	MKE66707	Roman copper alloy brooch	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
856	MKE66709	Iron Age copper alloy brooch	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
859	MKE66717	Roman copper alloy buckle	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
860	MKE66718	Roman copper alloy bow brooch	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
862	MKE66720	Medieval copper alloy harness pendant	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
863	MKE66724	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
872	MKE66763	Roman base silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
873	MKE66764	Roman copper alloy plate brooch	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
875	MKE66767	Roman silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
876	MKE66768	Roman copper alloy plate brooch	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
877	MKE66769	Roman copper alloy plate brooch	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
878	MKE66770	Roman copper alloy brooch	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
880	MKE66777	Copper alloy knife	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
887	MKE66798	Post-Medieval copper alloy unidentified object	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
897	MKE66809	Medieval copper alloy coin weight	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
898	MKE66810	Medieval silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
899	MKE66811	Medieval copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
900	MKE66812	Medieval copper alloy jetton	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
901	MKE66813	Medieval silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
908	MKE66823	Post-Medieval copper alloy token	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
910	MKE66825	Post-Medieval silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
911	MKE66826	Medieval silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
912	MKE66827	Medieval silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
913	MKE66828	Medieval silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
914	MKE66829	Medieval silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
915	MKE66830	Post-Medieval copper alloy buckle	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
916	MKE66831	Post-Medieval silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
917	MKE66832	Post-Medieval silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
921	MKE66844	Iron Age copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
926	MKE66857	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
927	MKE66858	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
928	MKE66859	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
929	MKE66861	Roman copper alloy bell	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
932	MKE66868	Iron Age silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
933	MKE66869	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
936	MKE66883	Roman copper alloy brooch	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
937	MKE66884	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
938	MKE66885	Roman copper alloy dress fastener (unknown)	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
939	MKE66887	Medieval silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
943	MKE66894	Medieval silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
944	MKE66895	Post-Medieval silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
945	MKE66899	Post-Medieval copper alloy token	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
947	MKE66920	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
960	MKE67110	Roman copper alloy brooch	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
961	MKE67111	Roman copper alloy brooch	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
962	MKE67112	Roman copper alloy brooch	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
963	MKE67113	Greek And Roman Provincial copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
964	MKE67114	Medieval silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
965	MKE67115	Medieval silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
966	MKE67116	Medieval silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
980	MKE67323	Iron Age copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1005	MKE67459	Bronze Age copper alloy casting waste	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
									previously removed						
1008	MKE67484	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1017	MKE67510	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1018	MKE67511	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1019	MKE67512	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1020	MKE67513	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1021	MKE67514	Silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1022	MKE67515	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1023	MKE67516	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1024	MKE67517	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

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1025	MKE67518	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1026	MKE67519	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1027	MKE67520	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1028	MKE67521	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1029	MKE67522	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1030	MKE67523	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1031	MKE67524	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1032	MKE67525	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1033	MKE67526	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1034	MKE67527	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

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1035	MKE67528	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1036	MKE67529	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1037	MKE67530	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1038	MKE67531	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1039	MKE67532	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1040	MKE67533	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1041	MKE67534	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1042	MKE67535	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1043	MKE67536	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1044	MKE67537	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
1045	MKE67538	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1046	MKE67539	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1047	MKE67540	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1048	MKE67541	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1049	MKE67542	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1050	MKE67543	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1051	MKE67544	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1052	MKE67545	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1053	MKE67546	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1054	MKE67547	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

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1055	MKE67548	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1056	MKE67549	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1057	MKE67550	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1058	MKE67551	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1059	MKE67552	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1060	MKE67553	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1061	MKE67554	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1062	MKE67555	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1063	MKE67556	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1064	MKE67557	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

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1065	MKE67558	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1066	MKE71337	Post-Medieval copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1079	MKE79588	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1080	MKE79589	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1081	MKE79590	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1082	MKE79591	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1083	MKE79592	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1084	MKE79593	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed.	None	No change	Neutral	N/A	N/A	N/A
1085	MKE79594	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1086	MKE79595	Roman silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

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1087	MKE79596	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1088	MKE79597	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1089	MKE79598	Roman copper alloy unidentified object	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1090	MKE79599	Roman copper alloy brooch	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1091	MKE79600	Roman copper alloy brooch	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1092	MKE79601	Roman copper alloy cosmetic set	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1093	MKE79602	Post-Medieval copper alloy knife	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1094	MKE79603	Roman copper alloy buckle	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1095	MKE79604	Post-Medieval copper alloy unidentified object	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1096	MKE79605	Medieval copper alloy purse	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

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1097	MKE79606	Medieval copper alloy purse	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1103	MKE79612	Roman copper alloy mount	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1104	MKE79613	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1105	MKE79614	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1106	MKE79615	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1107	MKE79616	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1110	MKE79643	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1111	MKE79644	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1112	MKE79645	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1113	MKE79646	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

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1114	MKE79647	Early Medieval copper alloy mount	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1115	MKE79652	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1153	MKE88845	Outfarm north of White Horse Cottage	Low	None. Setting impact only.	Temporary change of setting through introduction of additional noise, lighting and visible construction activity and machinery associated with the A226 Gravesend Road compound and the main alignment respectively.	None	Minor	Temporary Slight Adverse	Permanent change in setting from main alignment	None	Minor	Slight adverse	N/A	N/A	N/A
1171	MKE95489	Roman copper alloy brooch	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1175	MKE95493	Iron Age copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1176	MKE95494	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1177	MKE95495	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

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1178	MKE95496	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1179	MKE95497	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1181	MKE95499	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1182	MKE95500	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1183	MKE95501	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1184	MKE95502	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1185	MKE95503	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1186	MKE95504	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1187	MKE95505	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1188	MKE95506	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

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1190	MKE95519	Post-Medieval copper alloy token	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1191	MKE95520	Post-Medieval copper alloy token	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1192	MKE95521	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1193	MKE95522	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1194	MKE95523	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1195	MKE95524	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1196	MKE95525	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1197	MKE95526	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1198	MKE95527	Roman copper alloy vessel	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1199	MKE95528	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

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1200	MKE95529	Silver coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1201	MKE95530	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1202	MKE95531	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1203	MKE95532	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1204	MKE95533	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1205	MKE95534	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1206	MKE95535	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1207	MKE95536	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1208	MKE95537	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1209	MKE95538	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

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1210	MKE95539	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1211	MKE95540	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1212	MKE95544	Bronze Age copper alloy bucket	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1213	MKE95546	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1214	MKE95547	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1215	MKE95548	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1216	MKE95549	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1217	MKE95550	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1218	MKE95551	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1219	MKE95552	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

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1220	MKE95553	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1221	MKE95554	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1222	MKE95555	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1223	MKE95556	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1224	MKE95557	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1225	MKE95558	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1226	MKE95559	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1227	MKE95560	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1228	MKE95561	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1229	MKE95562	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

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1230	MKE95563	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1231	MKE95564	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1232	MKE95565	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1233	MKE95566	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1234	MKE95567	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1235	MKE95568	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1236	MKE95569	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1237	MKE95570	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1238	MKE95571	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1239	MKE95572	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

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1240	MKE95573	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1241	MKE95574	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1242	MKE95575	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1243	MKE95576	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1244	MKE95577	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1245	MKE95578	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1246	MKE95579	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1247	MKE95580	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1248	MKE95581	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1249	MKE95582	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
1250	MKE95583	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1251	MKE95584	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1252	MKE95585	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1253	MKE95586	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1254	MKE95587	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1255	MKE95588	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1256	MKE95589	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1257	MKE95590	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1258	MKE95591	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1259	MKE95592	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
1260	MKE95593	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1261	MKE95594	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1262	MKE95595	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1263	MKE95596	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1264	MKE95597	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1265	MKE95598	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1266	MKE95599	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1267	MKE95600	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1268	MKE95601	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1269	MKE95602	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
1270	MKE95603	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1271	MKE95604	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1272	MKE95605	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1273	MKE95606	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1274	MKE95607	Copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1281	MKE97489	Site of plantation and Shepherd's Cottage	Low	These below-ground remains may have been removed during construction of HS1, however this has not been proven. If below-ground remains survive, they will not be impacted upon by construction activities.	None – the setting of the asset is already greatly altered and severed from Cobham Park.	None required	None	Neutral	None – the asset is already severed from Cobham Park and the Project will not have a further impact	None required	None	Neutral	N/A	N/A	N/A
1286	TQ 66 NE 103	Prehistoric Pit, Scalers Hill	Negligible	N/A as asset has been previously removed by archaeological excavation.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
1302	TQ 66 NE 2	St Thomas's Well	Medium	The asset is likely to be physically removed or truncated by activity in the utility working area and multi-purpose utility works, the mains works area and construction of the main alignment.	N/A due to physical removal during construction.	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
1306	TQ 66 NE 208	Medieval settlement, Henhurst Dale	Medium	This asset would be removed during construction of the main alignment, it is within the mains works area and utility working area.	N/A due to physical removal during construction.	Archaeological excavation and recording.	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
1324	TQ 66 NE 63	Second World War RAF camps, Ashenbank Wood	Low	Construction of a cycleway through the asset and multi-utility network groundworks parallel to Brewers road and construction of the main alignment would result in the removal of some surviving structural or below-ground archaeological remains.	None	Historic Building Recording, Archaeological Survey and Archaeological excavation and recording.	Minor	Permanent Slight Adverse	None	None	No change	Neutral	N	N	N
1327	TQ 66 NE 69	Watling Street Medieval/Post-Medieval site	Negligible	This asset has previously been removed during	N/A as this asset has previously been	N/A as this asset has previously been	N/A as this asset has previously	N/A as this asset has previously	N/A as this asset has previously been	N/A as this asset has previously	N/A as this asset has previously	N/A as this asset has previously	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
				archaeological excavation.	removed during archaeological excavation.	removed during archaeological excavation.	been removed during archaeological excavation	been removed during archaeological excavation	removed during archaeological excavation	been removed during archaeological excavation	been removed during archaeological excavation	been removed during archaeological excavation			
1331	TQ 66 NE 75	World War Two RAF camp dispersal site for RAF Gravesend	Low	Utility diversion groundworks (gas and multi-utility) along with the establishment of Native Woodland Planting LE2.1 would result in the removal of the southern part of the asset, which could result in the removal of some surviving structural or below-ground archaeological remains (to a larger degree than to asset 1324).	None	Historic Building Recording, Archaeological Survey and Archaeological excavation and recording.	Moderate	Permanent slight adverse	None	None	No change	Neutral	N	N	N
1340	TQ 66 NE 84	Possible line of former tramway, Shorne Wood	Low	None	None	None required	No impact	Neutral	None	None	No impact	Neutral	N/A	N/A	N/A
1362	TQ 67 SE 10	Site of barrow (contracted primary; five secondary burials), cropmark	Medium	Asset would be removed during construction of southern tunnel entrance compound and utility working area	N/A due to physical removal of asset.	Archaeological excavation and recording.	Moderate	Permanent moderate adverse	N/A	None	No change	Neutral	Y	N	N
1372	TQ 67 SE 102	A group of rectilinear enclosures	Medium	The asset would be removed during construction of southern tunnel	N/A due to physical removal.	Archaeological excavation and recording.	Moderate	Permanent moderate adverse	N/A due to physical removal during construction	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
				entrance compound.											
1396	TQ 67 SE 111	Cropmark settlement of probable Bronze Age to Roman date including trackways, pits and ringditches	Medium	The asset would be completely removed by construction of the southern tunnel entrance compound	N/A due to physical removal.	Archaeological excavation and recording.	Moderate	Permanent moderate adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
1398	TQ 67 SE 113	Possible enclosure fragment - cropmark	Low	This asset would be removed in part through woodland planting as part of the Project as extends within the Order Limits	N/A due to physical removal.	Archaeological excavation and recording.	Moderate	Permanent slight adverse	N/A due to physical removal during construction	None	No change	Neutral	N	N	Y
1403	TQ 67 SE 1151	Thong Lane Second World War road block, Gravesend	Negligible	This asset has been previously removed.	N/A	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
1408	TQ 67 SE 1159	RAF Gravesend, Thong Lane, Gravesend	Low	Construction would remove below-ground remains associated with the former airfield.	Construction compounds would be established within and to the north and east of the asset. Establishment of woodland within surviving open areas of the former airfield would erode its open character. The remaining sections of the airfield would also be bisected by the new	Archaeological excavation and recording	Moderate	Permanent slight adverse	Establishment of woodland to the south and east would somewhat reduce the long-distance views from the former airfield site	None	Moderate	Slight adverse	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
					road. However, the surviving section of the outer runway would be preserved.										
1409	TQ 67 SE 116	Possible field system - cropmark	Low	The asset would be completely removed during the establishment of the Southern Tunnel Entrance Compound.	N/A due to physical removal.	Archaeological excavation and recording.	Moderate	Permanent slight adverse	N/A due to physical removal during construction	None	No change	Neutral	Y	N	N
1423	TQ 67 SE 119	Prehistoric and undated pits and ditches	Low	The asset would be completely removed during construction of southern tunnel entrance compound.	N/A due to physical removal.	Archaeological excavation and recording.	Moderate	Permanent slight adverse	N/A due to physical removal during construction	None	No change	Neutral	Y	N	N
1428	TQ 67 SE 120	Possible boundary ditch - cropmark	Low	The asset would be completely removed during the establishment of the Southern Tunnel Entrance Compound.	N/A due to physical removal.	Archaeological excavation and recording.	Moderate	Permanent slight adverse	N/A due to physical removal during construction	None	No change	Neutral	Y	N	N
1429	TQ 67 SE 1203	Thong Second World War light anti-aircraft battery, Thong Lane, Gravesend	Low	The asset would be completely removed during the establishment of the Southern Tunnel Entrance Compound.	N/A due to physical removal of asset.	Archaeological excavation and recording.	Moderate	Permanent slight adverse	N/A due to physical removal during construction	None	No change	Neutral	Y	N	N
1436	TQ 67 SE 122	Possible boundary ditch - cropmark	Low	The asset would be completely removed during the establishment of the Southern Tunnel Entrance Compound.	N/A due to physical removal.	Archaeological excavation and recording.	Moderate	Permanent slight adverse	N/A due to physical removal during construction	None	No change	Neutral	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
1454	TQ 67 SE 212	AA battery, Gravesend	Low	Potential below-ground remains would be removed during road construction.	N/A due to physical removal.	Archaeological excavation and recording.	Moderate	Permanent slight adverse	N/A due to physical removal	None	No change	Neutral	Y	N	N
1459	TQ 67 SE 221	Gravesend airport (site)	Low	Construction would remove below-ground remains associated with the former airfield.	Construction compounds would be established within and to the north and east of the asset. Establishment of woodland within surviving open areas of the former airfield would erode its open character. The remaining sections of the airfield would also be bisected by the new road. However, the surviving section of the outer runway would be preserved.	Archaeological excavation and recording	Moderate	Permanent slight adverse	Establishment of woodland to the south and east would somewhat reduce the long-distance views from the former airfield site	None	Moderate	Slight adverse	N	N	N
1469	TQ 67 SE 244	Possible Bronze Age Field System, Singlewell	Low	This asset may be partially physically impacted upon by the nearby main work construction area	None – asset is already surrounded by modern roads	Archaeological excavation and recording.	Minor	Permanent slight adverse	None – asset is already surrounded by modern roads	None	No change	Neutral	N	N	N
1474	TQ 67 SE 249	Possible Bronze Age barrow, Randall Wood, Shorne	Medium	The asset would be removed during groundworks for the establishment of LE8.7 Nitrogen	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	Y

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
				Deposition Mitigation Planting. This impact is assessed based on the worst-case scenario and it is anticipated that it should be possible to preserve this asset in situ a woodland glade or similar open space.											
1512	TQ 67 SE 295	Prehistoric flint and pottery, Shorne	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1513	TQ 67 SE 296	Roman brick and pottery, Shorne	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1514	TQ 67 SE 297	Prehistoric flint, Thong	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1515	TQ 67 SE 298	Earthworks, Shorne	Low	Asset would be removed during road construction.	N/A due to physical removal.	Archaeological excavation and recording.	Moderate	Permanent slight adverse	None	None	No change	Neutral	Y	N	N
1516	TQ 67 SE 300	Prehistoric flint, Harts Hill	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1520	TQ 67 SE 311	Iron Age ditch, Singlewell	Low	This asset may be removed during establishment of construction haul road, road construction or landscaping.	N/A	Archaeological excavation and recording.	Moderate	Permanent slight adverse	N/A as asset has been previously removed	None	No change	Neutral	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
1521	TQ 67 SE 312	Medieval animal burial, Singlewell	Negligible	N/A as asset has been previously removed by archaeological excavation.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1523	TQ 67 SE 314	Later prehistoric well, east of Claylane Wood	Negligible	N/A as asset has been previously removed by archaeological excavation.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1524	TQ 67 SE 315	Late Iron Age/Early Roman enclosure, east of Claylane Wood	Low	Potential surviving marginal elements of the enclosure would be removed during road construction.	N/A due to physical removal.	Archaeological excavation and recording.	Moderate	Permanent slight adverse	N/A due to physical removal	None	No change	Neutral	Y	N	N
1533	TQ 67 SE 330	Post-Medieval kiln, Henshurst Road	Negligible	N/A as asset has been previously removed by archaeological excavation.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1545	TQ 67 SE 346	Air Raid Warden's Post, Gravesend (site of)	Negligible	None	None	No change	Neutral	None	None	No change	Neutral	None	N/A	N/A	N/A
1547	TQ 67 SE 350	Prehistoric and medieval features along the A2 Pepperhill to Cobham widening scheme, site J, Pond C and Bodey's Yard	Low	These assets have been previously removed during archaeological evaluation and watching brief, although associated remains could survive within adjacent areas in the Order Limits which would be truncated or	None	Archaeological excavation and recording.	Minor	Permanent slight adverse	N/A due to physical removal	None	No change	Neutral	N	N	Y

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
				removed during planting of Ancient Woodland Mitigation Planting LE8.2.											
1551	TQ 67 SE 355	A Bronze Age settlement, Singlewell	Negligible	N/A as asset has been previously removed by archaeological excavation.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1552	TQ 67 SE 356	Early and Middle Iron Age features, Singlewell	Negligible	N/A as asset has been previously removed by archaeological excavation.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1557	TQ 67 SE 362	Site of 6 Nissan Huts, located on land off Woodlands Lane, Shorne, Gravesham	Low	The asset would be removed during groundworks for the establishment of LE8.7 Nitrogen Deposition Mitigation Planting	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	Y
1558	TQ 67 SE 363	V1 bomb site off Woodlands Lane, Shorne, Gravesham	Negligible	The asset would be removed during groundworks for the establishment of LE8.7 Nitrogen Deposition Mitigation Planting	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	Y
1559	TQ 67 SE 364	DH Mosquito crash site, Shorne, Gravesham	Negligible	N/A as asset has been previously physically removed from the former route of the A2 on which it crashed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
1577	TQ 67 SE 362	Site of 6 Nissen Huts, located on land off Woodlands Lane, Shorne, Gravesham	Low	Below-ground remains associated with the asset would be removed during groundworks for the establishment of LE8.7 Nitrogen Deposition Mitigation Planting.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	Y
1578	TQ 67 SE 363	V1 bomb site off Woodlands Lane, Shorne, Gravesham	Negligible	Below-ground remains associated with the asset would be removed during groundworks for the establishment of LE8.7 Nitrogen Deposition Mitigation Planting. The effect is assessed to be neutral rather than slight due to the fact that few remains associated with the asset are likely to be present.	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Neutral	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	Y
1579	TQ 67 SE 40	Late Iron Age site, Thong Lane	Medium	Asset would be removed during construction of the southern tunnel entrance compound	N/A due to physical removal of asset.	Archaeological excavation and recording.	Moderate	Permanent moderate adverse	N/A	N/A due to physical removal of asset	N/A due to physical removal of asset	N/A due to physical removal of asset	Y	N	N
1582	TQ 67 SE 43	Five miniature pots	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
1584	TQ 67 SE 45	Round barrow with concentric ditches	Medium	Asset would be removed during construction of southern tunnel entrance compound and partially by utility working area for OHL diversion.	N/A	Archaeological excavation and recording.	Moderate	Permanent moderate adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
1587	TQ 67 SE 52	Medieval Terminal Plate	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1595	TQ 67 SE 66	Bronze Age Barrow with biconical urn	Medium	This asset will be removed during establishment of the southern tunnel entrance compound	N/A due to physical removal of asset.	Archaeological excavation and recording.	Moderate	Permanent moderate adverse	N/A	None	No change	Neutral	Y	N	N
1596	TQ 67 SE 67	Rectilinear Feature, Cropmark	Medium	Part of the asset is likely to be removed during utilities works.	Utility works taking place within and adjacent to the asset.	Archaeological excavation and recording.	Minor	Permanent slight adverse	None	None required	No change	Neutral	N	Y	N
1598	TQ 67 SE 69	Cropmark of former WWII site	Low	Removal through the main route alignment.	N/A due to physical removal of asset.	Archaeological excavation and recording.	Moderate	Permanent slight adverse	N/A	None	No change	Neutral	Y	N	N
1599	TQ 67 SE 7	Possible Anglo-Saxon burial ground, Claylane Wood	Medium	The medium value non-designated possible Anglo-Saxon Burial Ground, Claylane Wood (1599) is recorded immediately outside the Order Limits in Claylane Wood, although the exact location is uncertain and the asset is likely	None - the location of the asset on higher ground within Claylane Wood adjacent to Watling Street would still be appreciable (although the asset itself is not visible above-ground).	Archaeological evaluation to ascertain if asset is located within the Application Site. Additional mitigation measures (archaeological excavation and recording) would be implemented if asset is	Moderate	Permanent Moderate adverse	None	None	No change	Neutral	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
				to extend within the Order Limits. The below-ground remains would potentially be at least partially removed upon by the establishment of utilities access routes, mains works construction access routes and mains works area, utility working area and gas utility diversion works		identified within the Application Site.									
1600	TQ 67 SE 70; LTC geophysical survey and ATT	Roman trackway and multiperiod enclosure site	Medium	Asset would be removed during haul road construction, utilities works and woodland planting.	N/A due to physical removal of asset.	Archaeological excavation and recording.	Moderate	Permanent moderate adverse	N/A	None	No change	Neutral	Y	N	N
1603	TQ 67 SE 73	Circular structure - possible hut circle (cropmark)	Low	Asset would be removed during road construction.	N/A due to physical removal of asset.	Archaeological excavation and recording.	Moderate	Permanent slight adverse	N/A	None	No change	Neutral	Y	N	N
1604	TQ 67 SE 74	Circular enclosed settlement with entrance to west	Medium	Asset would be removed during construction of the southern tunnel entrance compound	N/A due to physical removal of asset.	Archaeological excavation and recording.	Moderate	Permanent Moderate adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
1606	TQ 67 SE 76	Rectangular enclosed settlement - cropmark	Medium	Asset would be removed during construction of the southern tunnel entrance compound	N/A due to physical removal of asset.	Archaeological excavation and recording.	Moderate	Permanent moderate adverse	N/A due to physical removal of asset	N/A due to physical removal of asset	N/A due to physical removal of asset	N/A due to physical removal of asset	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
1607	TQ 67 SE 77	Roman rectangular enclosure	Medium	The asset would be completely removed during construction of southern tunnel entrance compound.	N/A due to physical removal of asset.	Archaeological excavation and recording.	Moderate	Permanent moderate adverse	N/A	None	No change	Neutral	Y	N	N
1608	TQ 67 SE 78	Sub-circular Iron Age to Roman settlement enclosure	Medium	The asset would be completely removed during construction of southern tunnel entrance compound.	N/A due to physical removal of asset.	Archaeological excavation and recording.	Moderate	Permanent moderate adverse	N/A	None	No change	Neutral	Y	N	N
1609	TQ 67 SE 79	Pits, Cropmark	Low	The asset would be completely removed during the establishment of the Southern Tunnel Entrance Compound.	N/A due to physical removal of asset.	Archaeological excavation and recording.	Moderate	Permanent slight adverse	N/A	None	No change	Neutral	Y	N	N
1620	TQ 67 SE 92	Prehistoric funerary or settlement activity	Medium	The asset would be completely removed during construction of southern tunnel entrance compound.	N/A due to physical removal of asset.	Archaeological excavation and recording.	Moderate	Permanent moderate adverse	N/A	None	No change	Neutral	Y	N	N
1622	TQ 67 SE 94	Enclosures and cropmarks	Medium	Asset will be completely removed by construction of the southern tunnel entrance compound	N/A due to physical removal of asset.	Archaeological excavation and recording.	Moderate	Permanent Moderate adverse	N/A due to physical removal of asset	N/A due to physical removal of asset	N/A due to physical removal of asset	N/A due to physical removal of asset	Y	N	N
1662	TQ 67 SW 418	Neolithic Mortuary Enclosure or Long Barrow (?), Tollgate	High	This asset will be preserved <i>in situ</i> .	None	Preservation <i>in situ</i> and protective fencing (REAC Ref. CH001; AMS-OWSI No. 1	No change	Neutral	This asset will be preserved <i>in situ</i>	Preservation <i>in situ</i>	No change	Neutral	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
1663	TQ 67 SW 419	Ditched Trackway, Tollgate	Low	Part of the asset may be removed by a construction haul road.	None	Archaeological excavation and recording.	Moderate	Permanent slight adverse	None	None	No change	Neutral	N	N	N
1667	TQ 67 SW 524	Prehistoric post-built structures, Tollgate	Negligible	N/A as asset has been previously removed by archaeological excavation.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1668	TQ 67 SW 525	Early Bronze Age pits and possible field system, Tollgate	Low	This asset may be removed during establishment of construction haul road	N/A	Archaeological excavation and recording.	Moderate	Permanent slight adverse	N/A as asset has been previously removed	None	No change	Neutral	N	N	N
1669	TQ 67 SW 534	Mesolithic to Bronze Age worked flints, Singlewell	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1680	TQ 86 SW 132	Watling Street Roman Road	Medium	None. The route of the Roman road where it passes through the Application Site has already been disturbed by the construction of the modern A2, and subsequent realignment and widening of the A2 to a dual carriageway.	The Project will result in the removal of Roman remains in the vicinity of Watling Street. However, this is partially offset by the fact that the Project will provide additional new information on the Roman landscape in the hinterland of Watling Street in this area.	Archaeological excavation and recording of Roman-period archaeological remains within the Application Site.	Minor	Permanent slight adverse	None The historic route of Watling Street in this area will continue to be broadly indicated by the route of the A2	None	No change	Neutral	N	N	N
1762	EKE9834	A2 Pepperhill to Cobham widening scheme	Negligible	None. This asset is no longer present.	None. This asset is no longer present.	None	No change	Neutral	None This asset is no longer present	None	No change	Neutral	N/A	N/A	N/A

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
1787	Late 19 th century OS maps	Brickworks, identified through research as Brickkilns, possible two different kilns. Possibly destroyed through the A2 widening works.	Low	The asset would be removed during utilities works.	N/A due to physical removal.	Archaeological excavation and recording.	Moderate	Permanent slight adverse	N/A as the asset would be removed during the construction phase	None	No change	Neutral	Y	Y	N
1813	ATT WSI no. T, Trench 346	Barrow of probable Bronze Age date	Medium	The asset would be removed during construction of the southern tunnel entrance compound	N/A due to physical removal.	Archaeological excavation and recording.	Moderate	Permanent Moderate adverse	N/A as the asset would be removed during the construction phase	None	No change	Neutral	Y	N	N
1814	LTC geophysical survey and ATT WSI no. T trenches 4, 5, 6	Sub-rectangular enclosure located 100m north of the A226, with multi-period activity from the Late Bronze Age to the Early Roman period	Medium	Asset is partially located within the Order Limits to the north of the A226. The section of the asset within the Order Limits would be removed during the construction of southern tunnel entrance compound.	Construction activity would take place within and adjacent to the asset	Archaeological excavation and recording.	Minor	Permanent slight adverse	None	None	No change	Neutral	N	N	N
1820	Headland 2019 Geophysical survey	Possible Roman enclosure south of Thong. A rectilinear enclosure containing a number of discrete features	Medium	The asset would be completely removed during the establishment of the A2 Compound	N/A due to physical removal.	Archaeological excavation and recording.	Moderate	Permanent Moderate adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N

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		(possibly pits). Similar in size to other possible Roman enclosures in the area.													
1821	Headland 2019 Geophysical survey; LTC ATT	Bronze Age to Iron Age boundary ditch. .	Low	The asset would be totally removed through construction of the main alignment.	N/A due to physical removal.	Archaeological excavation and recording.	Moderate	Permanent slight adverse	N/A as the asset would be removed during the construction phase	None	No change	Neutral	Y	N	N
1822	Cobham Tithe map of 1845 and later 19 th century OS maps	Several cottages shown on the Cobham Tithe map of 1845 (CTR 96B) and also the OS maps of 1872 and 1897 but are not shown on mapping after this so they must have been demolished. Described as pightle and cottage in the ward schedule	Low	The asset would be removed during road construction.	N/A due to physical removal.	Archaeological excavation and recording.	Moderate	Permanent slight adverse	N/A as the asset would be removed during the construction phase	None	No change	Neutral	Y	N	N
1840	Site walkover	Probable toilet block associated with RAF camp.	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N	N	N
1841	Site walkover	Concrete opening, possible shaft. Possible associations with known	Low	None	None	None	No change	Neutral	None	None	No change	Neutral	N	N	N

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		WWII RAF camp activity in area.													
1852	Lower Thames Crossing Walkover Survey	Former field boundary	Negligible	Asset will be partially removed during utility diversion groundworks	Associated field system will be largely removed	None	Moderate	Permanent slight adverse	Alteration of associated field system	None	Moderate	Neutral	N	Y	N
1865	Lower Thames Crossing Walkover Survey	Former water channel	Negligible	Asset will be removed during Ancient Woodland Mitigation Planting LE8.2	None	None	Major	Permanent slight adverse	None	None	No impact	Neutral	Y	N	Y
1883	MKE104337	Former C17 Avenues radiating from the West front of Cobham Hall	Low	None	None. Construction activity at the northern edge of the parkland will not result in harm to the value of this asset, which draws its value from its relationship with the primary features of the parkland such as Cobham Hall, and the adjoining roads to which it leads.	None	No change	Neutral	None. A cycleway at the northern edge of the parkland which has already been altered with the addition of the Brewers Road roundabout will not impact upon the value of this asset	None	No change	Neutral	N/A	N/A	N/A
1991	MKE113262	Post Medieval copper alloy token	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
1997	MKE114359	Site of former Cobham Golf Course clubhouse	Negligible	The asset would be removed by NMU and earthworks.	N/A due to physical removal.	None	Major	Permanent slight adverse	N/A as the asset would be removed during the construction phase	None	No change	Neutral	Y	N	N

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1998	MKE114354	Area of built infrastructure for Cobham claypit	Low	Landscape proposals and utility works (gas) would result in removal of the southernmost part of the asset.		Historic Building Recording, Archaeological Survey and Archaeological excavation and recording.	Minor	Neutral	None The Project would not impact on other extractive industry assets to the north-east, outside the Application Site boundary	None	No change	Neutral	N	N	N
2291	TQ 67 SE 34	Site of multi-period Prehistoric and Roman activity	Medium	Asset would be completely removed during construction of the southern tunnel entrance compound and utilities works.	N/A due to physical removal of asset.	Archaeological excavation and recording.	Moderate	Permanent Moderate adverse	N/A	None	No change	Neutral	Y	N	N
2296	TQ 67 SE 58	Mesolithic tranchet axe, Thong	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
2298	TQ 67 SE 71, ATT WSI no U	Iron Age Rectangular Enclosure	Medium	None	The setting would change as a result of utility works in close proximity, with associated noise, lighting and visible construction activity.	Good Practice	Minor	Temporary Slight adverse	None, surrounding agricultural land will be reinstated during Operation	None	No change	Neutral	N	N	N
2308	TQ 67 SE 91	Sub-circular Iron Age to Roman enclosure and smaller circular enclosure	Medium	Asset would be removed during construction of southern tunnel entrance compound.	N/A due to physical removal of asset.	Archaeological excavation and recording.	Moderate	Permanent moderate adverse	N/A	None	No change	Neutral	Y	N	N
2311	TQ 67 SW 11	Romano-British coin (3 rd century.)	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

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2313	TQ 67 SW 14	Roman coins found 1923	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
2329	Neolithic to Bronze Age	Findspots of a flint arrowhead and Late Bronze Age during evaluation at Cobham Golf Course	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
2445	TQ 67 SW 461	Bronze Age Beaker pit - A2 Pepperhill to Cobham widening scheme	Negligible	This asset has previously been removed during archaeological excavation.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
2447	TQ 67 SW 464	Rectangular Cemetery Enclosure - A2 Pepperhill to Cobham widening scheme	Negligible	This asset has previously been removed during archaeological excavation. Although the HER records this feature within the Application Site, it was located beyond the Order Limits to the west.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
2461	TQ 77 SW 1041	Gadshill School Second World War air raid wardens post, Gravesend Road, Higham	Low	The weight of construction traffic passing overhead could potentially cause harm to this structure.	None	Historic Building Recording and reinforcement or remedial works if required	Moderate	Permanent slight adverse	None	None	No change	Neutral	N	N	N
2466	TQ 67 SE 1158	Chalk Second World War Defended Locality DL20	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A

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2470	TQ 67 SW 1168	Tollgate Second World War Battle Headquarters, Gravesend	Negligible	This asset has been previously removed.	N/A	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
2491	TQ 67 SE 1162	Rochester Road Second World War road block, Chalk	Negligible	This asset has been previously removed.	N/A	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
2512	TQ 66 NE 113	Cobham Coal Mine, Scalers Hill, Cobham	Low	Potential below-ground remains of the mine (if present) would be removed during construction of road junction.	N/A due to physical removal of asset.	Archaeological excavation and recording.	Moderate	Permanent slight adverse	None	None	No change	Neutral	Y	N	N
3107	TQ 67 SE 313	Late Neolithic/Early Bronze Age worked flints, east of Claylane Wood	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
3123	TQ 67 SE 323	A Levallois struck flint, Church Road, Tollgate	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
3124	TQ 67 SE 324	Bronze Age pit, Church Road, Tollgate	Negligible	N/A as asset has been previously removed by archaeological excavation.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
3126	TQ 67 SE 327	Roman activity, Henhurst Road	Low	Potential sections of the trackway survive within the Order Limits and would be removed during woodland planting and landscaping.	N/A due to physical removal.	Archaeological excavation and recording.	Minor	Permanent slight adverse	N/A due to physical removal	None	No change	Neutral	Y	N	Y

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
3128	TQ 66 NE 227	Medieval pits and ditches, Henshurst Road	Negligible	N/A as asset has been previously removed by archaeological excavation.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
3185	MKE88826	Northumberland Bottom	Low	Potential below-ground remains of the former farmstead would be removed during utility works and landscaping,	N/A due to physical removal.	Archaeological excavation and recording.	Moderate	Permanent slight adverse	N/A due to physical removal	None	No change	Neutral	Y	N	N
3384	TQ 66 NE 109	Late Bronze Age settlement, Cobham Golf Course	Medium	Potential physical impact from groundworks associated with the establishment of an NMU route	None	Archaeological excavation and recording	Minor	Slight adverse	None	None	No change	Neutral	N	N	N
3443	MKE110617	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
3444	MKE110618	Roman copper alloy coin	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
3530	2019 Headland Geophysical Survey and ATT WSI no. U	Bronze Age Enclosure north of Shorne Ifield Road	Medium	None - asset will be preserved in situ and avoided by Ancient Woodland Mitigation Planting LE8.2	Removal of part of potentially associated asset 3741	Archaeological excavation and recorded of the associated asset being removed	Minor	Permanent Slight adverse	Replacement of open landscape with Ancient Woodland Mitigation Planting LE82	None	Minor	Slight adverse	N	N	N
3534	TQ 67 SE 326	During Channel Tunnel Rail Link works carried out by the Museum of London Archaeology	Negligible	N/A as asset has been previously removed by archaeological excavation.	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A

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		Service three groups of Iron Age pits were found. This is where the easterly of the three pits clusters were found. Pottery and briquetage were found within the pits. T													
3535	TQ 67 SE 350	Medieval features along the A2 to Pepperhill to Cobham widening scheme, site J, Pond C and Bodey's Yard	Low	Part of the field system would be removed during tree planting and associated landscaping.	None	Archaeological excavation and recording.	Moderate	Permanent slight adverse	Change of use of part of the agricultural setting to woodland	None	Minor	Slight adverse	N	N	Y
3545	MKE114355	Mesolithic site on the Burnett, north of Inn on the Lake	Medium	None - no works would take place in this area and all vegetation here is being retained.	None	None	No change	Neutral	None	None	No change	Neutral	N	N	N
3852	LTC ATT WSI no. T, trenches 525, 538, 545	Pit and ditches of Middle Bronze Age to Iron Age date	Low	The asset will be completely removed as a result of a combination of the mains works area, utility working area and establishment of the A226 Gravesend Road compound	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A	N/A	N/A	Y	N	N
3854	LTC ATT WSI no. T trenches 521, 523, 528	Medieval activity south of Higham Road	Low	The asset will be completely removed as a result of a	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A	N/A	N/A	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
		suggesting nearby settlement		combination of the mains works area, utility working area and establishment of the A226 Gravesend Road compound											
3640	Lower Thames Crossing Archaeological Trial Trenching	Buried Soils of potential Late Glacial/Upper Palaeolithic date	Medium	Parts of the buried soils may be removed by construction of ULH14 and establishment of Ancient Woodland Mitigation Planting LE82 Due to their nature, the remains are likely to continue outside the Order Limits and so this asset is unlikely to be completely removed	None	Archaeological excavation and recording	Moderate	Permanent Moderate adverse	None - setting remains as woodland where deposits are outside the Order Limits	None required	None	Neutral	N	N	N
3641	Lower Thames Crossing Archaeological Trial Trenching	Neolithic activity, pit containing large flint assemblage and pottery	Medium	The asset would be partially removed by multi-utility network works	Utility works taking place within and adjacent to the asset	Archaeological excavation and recording	Minor	Permanent slight adverse	Increase in noise and nearby traffic from presence of LTC A2 junction Change in setting to north and NW through replacement of open landscape with Ancient Woodland Mitigation Planting LE82	None	Minor	Slight adverse	N	Y	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
3642	Lower Thames Crossing Archaeological Trial Trenching	Early Prehistoric flint assemblage within quarry or sink hole	Medium	Removal through location within utility working area	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent moderate adverse	N/A due to physical removal during construction	None	No change	Neutral	Y	N	N
3643	Lower Thames Crossing Archaeological Trial Trenching	Buried soils of Mesolithic to Neolithic horizons of activity	Medium	Parts of the buried soils may be removed by construction of ULH14 Due to their nature, the remains are likely to continue outside the Order Limits and so this asset is unlikely to be completely removed	None	Archaeological excavation and recording	Moderate	Permanent Moderate adverse	None - setting remains as woodland where deposits are outside the Order Limits	None required	None	Neutral	N	Y	N
3644	Lower Thames Crossing Archaeological Trial Trenching	Bronze Age pit- possible waterhole	Low	Removal through the main route alignment	N/A due to physical removal	Archaeological excavation and recording for parts to be removed	Moderate	Permanent slight adverse	N/A due to physical removal during construction	None	No change	Neutral	Y	N	N
3650	Lower Thames Crossing Archaeological Trial Trenching	Multiperiod settlement activity west of Thong	High	Approximately three quarters of the asset would be removed as a result of gas utility diversion works and construction of the main alignment The remainder of the asset would be preserved <i>in situ</i>	Construction works taking place within and adjacent to the asset	Archaeological excavation and recording	Major	Permanent large adverse	The remainder of the asset preserved <i>in situ</i> will benefit from open space provided as a buffer for Thong Conservation Area The presence of the operational alignment in the formerly open land to the west would have an adverse impact on the historical value of the asset by eroding the	None	Minor	Slight adverse	N	N	N

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									appreciability of the open landscape around it The effect is assessed to be minor rather than moderate due to the low degree of value that the surviving part of the asset would derive from its setting						
3655	Lower Thames Crossing Archaeological Trial Trenching	Romano-British cremation burial, isolated with possible association to former settlement 1597	Medium	Potential cemetery site to be impacted by excavation for ancient woodland tree planting for ecological mitigation	Setting has already been impacted by proximity of Riverview Park settlement area of Gravesend which has severed any relationship with potentially associated settlement 1597	Archaeological excavation and recording	Moderate	Permanent moderate adverse	Replacement of the open landscape with Ancient Woodland Mitigation Planting LE82	None	Minor	Slight adverse	N	N	Y
3658	Lower Thames Crossing Archaeological Trial Trenching	Medieval quarrying	Low	Removal through the main route alignment	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal during construction	None	No change	Neutral	Y	N	N
3663	Lower Thames Crossing Archaeological Trial Trenching	Area of Mesolithic/Neolithic activity	Medium	The asset would be completely removed as a result of gas utility diversion works	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Moderate adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	Y	N
3667	Lower Thames Crossing Archaeological	Neolithic pit and flint	Medium	The asset would be completely removed during construction of	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Moderate adverse	N/A due to physical removal during construction	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N

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	Trial Trenching			the main alignment						during construction	during construction	during construction			
3737	Lower Thames Crossing Archaeological Trial Trenching	Mesolithic flint microlith identified in a ditch feature	Low	Only remains of ditch will be impacted by utilities working areas Flint has been removed	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal during construction	None	No change	Neutral	Y	Y	N
3738	Lower Thames Crossing Archaeological Trial Trenching	Residual Levallois Core of Neolithic or Bronze Age date	Low	Flint previously removed, considered in assessment for archaeological potential	N/A- flint previously removed	None	No change	Neutral	N/A flint previously removed	None	No change	Neutral	N/A	N/A	N/A
3740	ATT WSI no U	Multi-period settlement activity	Medium	Removal of majority of the asset as a result of gas utility works	Utility works taking place within and adjacent to the asset	Archaeological excavation and recording	Moderate	Permanent moderate adverse	Replacement of open landscape with Ancient Woodland Mitigation Planting LE82	None	Minor	Permanent Slight adverse	N	Y	N
3741	Lower Thames Crossing Archaeological Trial Trenching WSI no U	Bronze Age to Iron Age trackway and undated pits and ditches	Low	Removal of part of the asset through a combination of utility working area and establishment of Ancient Woodland Mitigation Planting LE82	Utility works taking place within and adjacent to the asset	Archaeological excavation and recording	Moderate	Permanent slight adverse	Replacement of open landscape with Ancient Woodland Mitigation Planting LE82	None	Minor	Slight adverse	N	N	N
3742	Lower Thames Crossing Archaeological Trial Trenching	Bronze to Iron Age settlement complex	Medium	The majority of the asset would be removed by the construction of the southern tunnel entrance compound	Construction activity would take place within and adjacent to the asset	Archaeological excavation and recording and temporary fencing of the unaffected part of the asset	Moderate	Permanent Moderate adverse	Presence of operational alignment and landscaping in the vicinity	None	Minor	Slight adverse	N	N	N
3743	Lower Thames Crossing Archaeological	Bronze Age to Iron Age ditch	Medium	Majority of the asset will be removed by establishment of	Utility works taking place within and	Archaeological excavation and recording	Moderate	Permanent Moderate adverse	Replacement of open landscape with Ancient Woodland	None	Minor	Slight adverse	N	Y	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
	Trial Trenching			the Shorne Ifield Road utility hub	adjacent to the asset				Mitigation Planting LE82						
3745	ATT WSI no U	Undated cremations, cenotaph cremations, pits and ditches	Medium	Removal of majority of the asset as a result of establishment of Shorne Ifield Road utility hub	Utility works taking place within and adjacent to the asset	Archaeological excavation and recording	Moderate	Permanent Moderate adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N	Y	N
3749	ATT WSI no U	Iron Age granary, pits and undated posthole	Medium	Asset will be completely removed by a combination of ULH13 and Ancient Woodland Mitigation Planting LE82	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent moderate adverse	N/A due to physical removal	N/A	N/A	N/A	Y	N	N
3751	ATT WSI no U	Roman enclosure	Medium	Removal of part of the asset through a combination of utility working area and establishment of Ancient Woodland Mitigation Planting LE82	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent moderate adverse	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N
3752	Lower Thames Crossing Archaeological Trial Trenching	Romano-British ditch, possible agricultural enclosure	Low	A small part of the asset will be impacted by the utility working area for removal of OHL and establishment of a utility access route	None	Archaeological excavation and recording	Minor	Permanent Slight adverse	None	None	No change	Neutral	N	Y	N
3756	ATT WSI no U	Medieval to Post-Medieval field boundary ditches	Low	Removal of part of the asset as a result of establishment of Shorne Ifield Road utility hub	Utility works taking place within and adjacent to the asset	Archaeological excavation and recording	Minor	Permanent Slight Adverse	Replacement of open landscape with Ancient Woodland Mitigation Planting LE82	None	Minor	Permanent Slight adverse	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
				and Ancient Woodland Mitigation Planting LE82											
3767	Lower Thames Crossing Archaeological Trial Trenching	Colluvium deposits containing Palaeolithic struck flints possibly associated with a concentration of activity on higher ground of the dry valley located south of the A226	High	Uppermost elements of the deposits may be removed during establishment of utility working area and utility access route Effect is assessed to be slight rather than moderate as only a small proportion of the deposits is likely to be removed	None	Archaeological excavation and recording	Minor	Permanent slight adverse	None	None	No change	Neutral	N	Y	N
3769	Lower Thames Crossing Archaeological Trial Trenching	Mesolithic occupation site identified on a high point of the dry valley south of the A226	High	None	None	None required	No change	Neutral	None	None required	No change	Neutral	N	N	N
3770	Lower Thames Crossing Archaeological Trial Trenching	Isolated Bronze Age pit	Low	Removal through location within Southern tunnel entrance compound	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal during construction	None	No change	Neutral	Y	N	N
3772	Lower Thames Crossing Archaeological Trial Trenching	Deeply stratified colluvium dating from Mesolithic onwards	Medium	The asset would be partially impacted upon by the utility access routes, working areas and the establishment of the southern tunnel entrance compound This would likely remove the upper	None	Archaeological excavation and recording	Minor	Permanent slight adverse	None	None	No change	Neutral	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
				parts of the colluvium only for a part of its extent											
3773	ATT WSI no T	Late Neolithic to Early Bronze Age burnt mound and Bronze Age cremation	Medium	The asset will be completely removed as a result of a combination of the mains works area, utility working area for OHL 1 and establishment of the Southern Tunnel Entrance Compound	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent moderate adverse	N/A due to physical removal	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3774	ATT WSI no T	Possible Burnt Mound	Medium	The asset will be removed by the utility working area and establishment of a utility access route	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent moderate adverse	N/A due to physical removal	N/A	N/A	N/A	Y	Y	N
3782	Lower Thames Crossing Archaeological Trial Trenching	Neolithic, Bronze Age and potentially associated undated activity Pits, ditches, flint and foundation/surface of rammed chalk and flint	Medium	The establishment of utility access routes would remove part of these archaeological remains in areas where the depth of colluvium is shallower, on the eastern side of the asset (on the assumption that deep soil mixing will not be required)	None	Archaeological excavation and recording	Minor	Permanent slight adverse	None	None	No change	Neutral	N	Y	N
3786	LTC ATT WSI no U	Large Late Bronze Age to Middle Iron	Low	The asset would be completely removed during the establishment	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical	N/A due to physical removal	N/A due to physical removal	N/A due to physical removal	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
		Age boundary ditch		of the Southern Tunnel Entrance Compound					removal during construction	during construction	during construction	during construction			
3793	Lower Thames Crossing Archaeological Trial Trenching	Multi-period Bronze Age, Iron Age and Roman activity	Medium	Asset would be completely removed by establishment of the southern tunnel entrance compound and utility working area	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Moderate adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
3796	Lower Thames Crossing Archaeological Trial Trenching	Undated pits and postholes	Low	The asset would be completely removed by establishment of the southern tunnel entrance compound	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal during construction	None	No change	Neutral	Y	N	N
3798	LTC geophysical survey and ATT WSI no T trenches 7, 9, 10, 12, 13 555, 556, 560	Area of dispersed undated ditches, pits and postholes north of the A226	Low	The asset will be completely removed as a result of a combination of the mains works area, utility working area and establishment of the Southern Tunnel Entrance Compound	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A	N/A	N/A	Y	N	N
3802	Lower Thames Crossing Archaeological Trial Trenching	Probable Middle Bronze Age cremation cemetery	Medium	Complete removal as a result of the establishment of the southern tunnel entrance compound	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Moderate adverse	N/A due to physical removal during construction	None	No change	Neutral	Y	N	N
3805	Lower Thames Crossing Archaeological Trial Trenching	Area of dispersed undated, Prehistoric and Roman ditches	Low	Removal of part of the asset as a result of utility working area, utility access	Construction/utility activity taking place in close proximity with associated	Archaeological excavation and recording	Minor	Permanent Slight adverse	None	None	No change	Neutral	N	Y	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
		and pits Roman metalled trackway / holloway		route and gas network G4	noise and visual disturbance										
3806	ATT WSI no T trenches 389, 390, 391	Undated quarry pits and ditches	Low	The asset will be completely removed as a result of a combination of the mains works area, utility working area and establishment of the Southern Tunnel Entrance Compound	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A	N/A	N/A	Y	Y	N
4064	MKE113261	Medieval silver coin	Negligible	N/A as asset has been previously removed	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N/A	N/A	N/A
4123	MKE100246	Post-Medieval chalk pit	Low	The upper layer of part of the asset would be truncated during groundworks for the establishment of LE87 Nitrogen Deposition Mitigation Plant After mitigation the effect is assessed as neutral rather than slight adverse, due to the low scale of impact to the overall asset	None	Archaeological excavation and recording	Negligible	Neutral	None	None	No change	Neutral	N	N	Y
4170	Late 19 th century OS maps	Site of well	Negligible	Potential truncated below-ground remains of the well	N/A due to physical removal	None	Major	Permanent slight adverse	None	None	No change	Neutral	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
				beneath the A2 would be removed during construction of the main alignment											
4171	Late 19 th century OS maps	Site of former well now beneath A2	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
4178	Late 19 th century OS maps	Site of pond	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
4180	Late 19 th century OS maps	Potential below-ground remains of former poultry yard in Cobham Park	Low	Construction of Non Motorised Users (NMU) route along existing Public Right of Way (PRoW) may impact upon part of the potential remains	None	Archaeological excavation and recording	Minor	Permanent slight adverse	None	None	No change	Neutral	N	N	N
4181	Late 19 th century OS maps	Fishponds adjacent to the Inn on the Lake	Low	None	None	None	None	Neutral	None	None	None	Neutral	N/A	N/A	N/A
4182	Late 19 th century OS maps	Site of former sheep wash near St Thomas' Well and Cobham Park	Negligible	Asset would be removed during construction of main alignment	N/A due to physical removal	None	Major	Permanent slight adverse	N/A due to physical removal during construction	None	No change	Neutral	Y	N	N
4183	Late 19 th century OS maps	Site of quarry pit	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
4185	Late 19 th century OS maps	Site of quarry pit	Negligible	Asset would be truncated during landscape tree planting	Tree planting would take place in vicinity	None	Moderate	Permanent slight adverse	Part of the surrounding agricultural land would be changed to a tree planting belt	None	Moderate	Neutral	N	N	Y

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
4186	Late 19 th century OS maps	Site of quarry pit	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
4188	Late 19 th century OS maps	Site of quarry pit	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral	N/A	N/A	N/A
4189	Late 19 th century OS maps	Site of quarry pit	Negligible	Asset would be removed during utility work and subsequent landscaping	N/A due to physical removal	None	Major	Permanent slight adverse	N/A due to physical removal during construction	None	No change	Neutral	Y	N	N
4190	Late 19 th century OS maps	Site of quarry pit	Negligible	Asset would be completely removed by realignment of Thong Lane	N/A due to physical removal	None	Moderate	Neutral	None	None	No change	Neutral	Y	N	N
4192	OS mapping from 1888	Infilled Post-Medieval Clay Pit	Negligible	None	None	None required	None	Neutral	None	None required	None	Neutral	N/A	N/A	N/A
4415	ATT WSI no U	Large but shallow Late Bronze Age or Early Iron Age pit	Low	The asset would be completely removed during the establishment of the Southern Tunnel Entrance Compound	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent Slight Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	N
4424	ATT WSI no U	Undated pits and ditches	Low	None	None	None required	None	No change	Neutral	None	No change	Neutral	N	N	N
4425	ATT WSI no U	Undated ditches, pit with burnt animal remains, pit or ditch terminus	Low	Utility works for gas network G4 will result in the removal of the majority of the undated features	Utility works taking place within and adjacent to the asset	Archaeological excavation and recording	Minor	Permanent Slight adverse	None	None	No change	Neutral	N	Y	N
4426	ATT WSI no T	Long undated ditch on a NNE-SSW alignment	Low	The asset will be completely removed as a result of a combination of the mains works area, utility	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A	N/A	N/A	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
				working area and establishment of the Southern Tunnel Entrance Compound											
4427	LTC geophysical survey and ATT WSI no T, trench 388	Possible site of Roman building	Medium	The asset will be completely removed as a result of a combination of the mains works area, utility working area and establishment of the Southern Tunnel Entrance Compound	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent moderate adverse	N/A due to physical removal	N/A	N/A	N/A	Y	Y	N
4428	LTC identified - 2013 Google aerial imagery	Cropmark of a round barrow approx 26m in diameter, WSI area no T	Medium	The asset will be completely removed as a result of a combination of the mains works area, utility working area and establishment of the Southern Tunnel Entrance Compound	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent moderate adverse	N/A due to physical removal	N/A	N/A	N/A	Y	N	N
4429	LTC ATT WSI no T	Undated pits and ditches, one Bronze/Iron Age ditch	Low	The asset will be completely removed as a result of a combination of the mains works area, utility working area and establishment of the Southern Tunnel Entrance Compound	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A	N/A	N/A	Y	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
4430	LTC geophysical survey	Possible ring ditch 10m in diameter	Low	The asset will be completely removed as a result of a combination of the mains works area, utility working area and establishment of the Southern Tunnel Entrance Compound	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	N/A	N/A	N/A	Y	N	N
4483	MKE70957	Iron Age gold coin	Negligible	N/A as asset has been previously removed	N/A	None	No change	Neutral	N/A as asset has been previously removed	None	No change	Neutral	N	N	N
4513	MKE77420	Sarsen stones at the northern edge of Westfield Wood	Medium	The stones are located within the woodland areas, outside of the existing arable field They would therefore not be impacted upon by the establishment of the Nitrogen Deposition Compensation Area	None - assets are already within a woodland setting	None required	No change	Neutral	None	None	No change	Neutral	N	N	N
4553	MKE44049	Pilgrim's Way/North Downs Way	Medium	A very small overall part of below-ground remains associated with the asset (if such survives within the Order Limits) would be removed as a result of the establishment of the Nitrogen Deposition Compensation	None - the asset is a large landscape-scale asset and the creation of an area of woodland would not harm its value	Archaeological excavation and recording	Negligible	Neutral	None - the asset is a large landscape-scale asset and the presence of a new area of woodland would not harm its value	None	No change	Neutral	N	N	Y

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
				Area The effect is assessed as neutral due to the large scale of the asset relative to the impact following mitigation											
4554	MKE44113	Roman road; Rochester-Maidstone-Hastings	Medium	None - the asset follows the line of the modern day Warren Road It's interation with the Order Limits is through an entry point for construction vehicles from Warren Road, past Bluebell Hill House and onto the Bluebell Hill Site No changes to the modern road surface are required which may impact any earlier remains	None- increase in construction traffic does not alter the understand-ing of the Roman Road's path through the landscape	None	No change	Neutral	None	None	No change	Neutral	N	N	N
4555	MKE77414	Hollow way, Westfield Wood	Low	None- the asset is clipped slightly by the Order Limits and principally located within existing woodland which would not be removed	Works adjacent to the existing woodland, impacting the rural setting	None	Minor	Temporary slight adverse	None	None	No change	Neutral	N	N	N
4558	LTC ATT WSI V trench 80	Probable Late Iron Age to Roman cremation cemetery	Medium	The asset will be completely removed as a result of gas works and utility working area	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent moderate adverse	N/A due to physical removal	NA	N/A	N/A	Y	Y	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
4579	MKE115883	Second World War road block buoys, Gravesend Road, Chalk	Low	None- the asset has previously been removed	None- the asset has previously been removed	None	None	Neutral	None- the asset has previously been removed No changes to the alignment of Gravesend Road would occur	None	None	Neutral	N	N	N
4595	LTCC ATT WSI T trenches 530, 536, 541	Multiple phases of Prehistoric activity associated with buried land surfaces within colluvial layers 4594	Medium	The asset will be completely removed as a result of a combination of the mains works area, utility working area and establishment of the A226 Gravesend Road compound	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent moderate adverse	N/A due to physical removal	N/A	N/A	N/A	Y	N	N
4596	LTC ATT WSI V trenches 81, 82, 87, 88	Possible trackway/Holloway	Low	The asset will be completely removed as a result of the main works area and establishment of the LTC A2 Junction	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	NA	NA	NA	Y	N	N
4608	Google Earth	Cropmarks of a possible trackway	Low	The parts of the asset within the Order Limits would be removed during construction of the southern tunnel portal compound and multi-network utility works	Works within and adjacent to the asset and removal of associated features	Archaeological excavation and recording	Moderate	Permanent slight adverse	None	None	No change	Neutral	N	N	N
4609	Google Earth	Cropmarks of a short section of a possible trackway	Low	The parts of the asset within the Order Limits would be removed during	Works within and adjacent to the asset and removal of	Archaeological excavation and recording	Moderate	Permanent slight adverse	None	None	No change	Neutral	N	N	N

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
				construction of the southern tunnel portal compound	associated features										
4610	LTC interpretation of multiple data sources	Below-ground remains of a holloway with metalled sections and flanking ditches	Low	The parts of the asset within the Order Limits would be removed during construction of the southern tunnel portal compound, multi-network utility works and establishment of utility haul routes	Works within and adjacent to the asset and removal of associated features	Archaeological excavation and recording	Moderate	Permanent slight adverse	None	None	No change	Neutral	N	N	N
4611	Google Earth	Cropmarks of a possible remnant of an enclosure extending under Thong Lane		The asset would be completely removed during construction of the southern tunnel portal compound	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	NA	N/A	N/A	Y	Y	N
4612	Google Earth	Series of linear cropmarks on different alignments	Low	The asset would be completely removed during construction of the southern tunnel portal compound	N/A due to physical removal	Archaeological excavation and recording	Moderate	Permanent slight adverse	N/A due to physical removal	NA	N/A	N/A	Y	Y	N
4619	LTC identified from multiple data sources	Chalk Parish Boundary	Medium	Construction of the Project would result in the removal of part of the medium-value non-designated Chalk parish boundary (4610), which is recorded crossing part of the Order Limits	Construction works taking place within and in the vicinity of the asset	Archaeological excavation and recording	Minor	Permanent slight adverse	The operational alignment would create a large modern element cutting across the associated landscape	None	Minor	Permanent slight adverse	N	N	N
4745	MKE84636	Great Culand, former Medieval to Modern manor and farmstead	Medium	The establishment of the Nitrogen Deposition Compensation Area at Burham,	N/A due to physical removal during construction	Archaeological excavation and recording	Moderate	Permanent Moderate Adverse	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	N/A due to physical removal during construction	Y	N	Y

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect	Completely removed by project?	Utility impact only?	Landscape impact only?
				to the west of Kit's Coty, would result in the complete removal of the medium-value Great Culand (asset 4745, below-ground remains of the former Medieval to Modern manor and farmstead) This impact is assessed base on the worst-case scenario and it is anticipated that it should be possible to preserve this asset in situ a woodland glade or similar open space											
4760	TQ 76 SW 12	Mineral tramway tunnel (Post-Medieval)	Medium	None - the asset would not be impacted upon by planting for the Nitrogen Deposition Compensation Area	None	None required	No change	Neutral	None	None	No change	Neutral	N	N	N

Table 1.15 Non-Designated archaeology outside the Order Limits assessment table: South of the River Thames

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
626	413186	Roman brooch	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
627	413199	Roman coin, Cobham Park	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
628	413201	Medieval lead seal-die, possibly 13th century in date.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
664	413612	Romano-British settlement associated with pottery making of 1st to early 3rd century date. Late Roman burials of 4th/5th century date.	Medium	None	No change - setting influenced by evidential and historical association with other settlement activity in the area, namely asset 1610. The Application Site does not form part of this setting.	None	No change	Neutral	None	None	No change	Neutral
665	413615	Bronze coin of Tasciovanus	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
666	413712	Roman pottery with graffiti found at Chalk	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
669	413722	Findspot of a copper alloy cross arm's terminal plate of 12th or 13th century	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
672	413731	Roman urns, fibulae and iron nails found at Shome.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
673	413732	Samian vessel	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
676	413755	A zig-zagging double ditched feature thought to be a trackway, possibly later prehistoric in date	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
697	545194	West Court	Low	None	No change - setting informed by location on marshes and rural setting. Setting extends to the Application Site but Project	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
					is underground in this location so will not impact the asset's setting.							
699	546228	Lavender Cottage	Low	None	No change - asset demolished and area redeveloped.	None	No change	Neutral	None	None	No change	Neutral
702	765302	Fragments of ditch seen as cropmarks.	Low	None	No change - setting influenced by location south of Lower Road and does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
736	1323767	Site interpreted as agricultural activity dated to the middle-late Bronze Age, Rochester and Cobham Golf Course	Negligible	None	No change - asset previously removed by excavation	None	No change	Neutral	No change - asset previously removed by excavation	None	No change	Neutral
744	1430061	A small irregular ring ditch, circa 13 metres in diameter	Medium	None	Loss of some associations through removal of archaeological features of similar types which form part of the asset's setting.	Archaeological recording of associated features	Minor	Slight adverse	None	None	No change	Neutral
745	1458810	1738 wreck of English cargo or fishing vessel	Low	None	No change - setting informed by their location on Thames which does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
748	1474327	Cobham Heavy Anti-Aircraft Battery	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
750	1548129	Earthwork remains of an oval mound, possibly a 19th century or earlier stock refuge mound	Low	None	No change - setting informed by associated earthwork features on Shome marshes. This setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
751	1548139	Earthwork remains of an oval mound, possibly a 19th century or earlier stock refuge mound	Low	None	No change - setting informed by associated earthwork features on Shome marshes. This setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
752	1548144	Earthwork remains of an oval mound,	Low	None	No change - setting informed by associated	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
		possibly a 19th century or earlier stock refuge mound			earthwork features on Shome marshes. This setting does not extend to the Application Site.							
753	1548166	The site of a possible former Second World War pillbox located close to the river bank	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral
754	1548187	Earthwork remains of a probable Post-Medieval - 20th century stock watering pond, Shomemead Marshes	Low	None	No change - setting informed by associated earthwork features on Shome marshes. This setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
755	1548189	Earthwork remains of a probable Post-Medieval - 20th century stock watering pond, Shomemead Marshes	Low	None	No change - setting informed by associated earthwork features on Shome marshes. This setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
756	1548190	Earthwork remains of a probable Post-Medieval - 20th century stock watering pond, Shomemead Marshes	Low	None	No change - setting informed by associated earthwork features on Shome marshes. This setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
757	1548207	Earthwork remains of a small oval mound, probably a	Low	None	No change - setting informed by location on Shome marshes and	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
		19th century or earlier stock refuge mound, Shorne Marshes			historical association to other stock mounds. This setting does not extend to the Application Site.							
758	1548210	The earthwork remains of an oval mound within Shorne Marshes, probably a 19th century or earlier stock refuge mound	Low	None	No change - setting informed by location on Shorne marshes and historical association to other stock mounds. This setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
759	1548213	The earthwork remains of a small oblong mound within Shorne Marshes, probably a 19th century or earlier stock refuge mound	Low	None	No change - setting informed by location on Shorne marshes and historical association to other stock mounds. This setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
760	1548216	The earthwork remains of a small oval mound on the north-western edge of Shorne Marshes. Probable 19th century or earlier stock refuge mound	Low	None	No change - setting informed by location on Shorne marshes and historical association to other stock mounds. This setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
764	1550079	A group of earthworks on Shorne Hill, possibly part of a Post-Medieval rabbit warren and would have functioned as pillow mounds	Low	None	No change - setting informed by location in Shorne and does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
766	1550092	The earthwork of a lynchet in a field on the northern edge of Shorne	Low	None	No change - setting informed by location in Shorne and does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
767	1550094	The earthwork remains of possible Post-Medieval	Low	None	No change - setting informed by location in Shorne and does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
		quarrying on Shorne Hill										
770	1550264	A group of possible Second World War allotments, the majority of which are situated behind houses on Chalk Road	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral
782	1550928	The cropmark traces of a linear ditch, probably the remains of a former boundary of uncertain date.	Low	None	No change - setting influenced by location west of Green Farm Lane. Setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
783	1550950	A small ring ditch of uncertain date with a diameter of 6.5m, seen as a cropmark adjacent to the cropmark traces of a probable later prehistoric trackway (NMR Monument: 413755).	Medium	None	Loss of associated barrows within Application Site which form wider funerary landscape with this asset and others (1615, 1393). Removal of these will alter the characteristic understanding of this asset within its landscape.	Archaeological recording of associated barrows	Minor	Slight adverse	None	None	No change	Neutral
784	1550954	Cropmark of an 80m length of ditch of uncertain date, possibly a former boundary aligned NE-SW.	Low	None	No change - date of asset unknown so unknown if there are any historical associations with assets within the Site. Known nature of the asset will not be established through the Project therefore, no	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
					change will occur to the asset's historical association or known setting which currently does not extend to the Application Site.							
785	1550956	A single pit of uncertain date with a diameter of 6m seen as a cropmark	Low	None	No change - date is uncertain, therefore historical association with other assets in the area is unknown. Works along the A226 as part of the Project will not change the overall character of the setting of the asset which only contributes a small part to the asset's significance.	None	No change	Neutral	No change - spatial reference to similar cropmark assets north of the A226 would not be changed. Unclear what association the asset has south of A226 and cannot be assessed at the moment.	None	No change	Neutral
786	1550964	Two parallel ditches, possibly the remains of a former trackway of uncertain date, north of the Gravesend Road to the west of Lower Shorne.	Low	None	No change - date is uncertain, therefore historical association with other assets in the area is unknown. Works along the A226 as part of the Project will not change the overall character of the setting of the asset which only contributes a small part to the asset's significance.	None	No change	Neutral	No change - spatial reference to similar cropmark assets north of the A226 would not be changed. Unclear what association the asset has south of A226 and cannot be assessed at the moment.	None	No change	Neutral
789	1551290	The slight earthwork remains of a former sea wall on Filborough Marshes	Low	None	No change - asset located on Filborough Marshes where the Project will be underground. Therefore, the project will not dissociate the asset from the other assets associated with the historic land management of	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
					this reclaimed marshland south of the River Thames.							
790	1551309	Cropmark of a short length of linear ditch, probably part of a former boundary of uncertain date.	Low	None	No change - setting influenced by location west of Green Farm Lane. Setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
795	1551425	A former field boundary of uncertain date visible as a slight bank. St Mary's Churchyard to the corner of a field to the NE of Eastcourt Oast.	Low	None	No change - date of asset unknown so unknown if there are any historical associations with assets within the Site. Known nature of the asset will not be established through the Project therefore, no change will occur to the asset's historical association or known setting which currently does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
797	1551438	The earthwork remains of an oval mound thought to be a 19th century or earlier stock refuge mound, Filborough Marshes.	Low	None	No change - asset located on Filborough Marshes where the Project will be underground. Therefore, the project will not dissociate the asset from the other assets associated with the historic land management of this reclaimed marshland south of the River Thames.	None	No change	Neutral	None	None	No change	Neutral
799	1551460	Two earthworks situated on the western edge of Filborough Marshes	Low	None	No change - asset located on Filborough Marshes where the Project will be underground. Therefore, the project will not dissociate the asset from the other assets associated with the historic land management of this reclaimed marshland south of the River Thames.	None	No change	Neutral	None	None	No change	Neutral
806	1554259	A linear arrangement of three small square WW2 buildings or structures above the shore on the edge of Eastcourt	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and	None	No change	Neutral	No change - setting influenced by historical group value of military remains	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
		Marshes to the west of Shornemead Fort. Could be associated with the wartime coastal defence			therefore, not present anymore.				south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.			
824	1587044	DRAGON	Low	None	No change - setting informed by their location on Thames which does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
829	MKE58424	Roman copper alloy unidentified object	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
830	MKE66605	Medieval copper alloy knife	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
831	MKE66606	Roman copper alloy brooch	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
834	MKE66639	Modern copper alloy figurine	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
837	MKE66657	Medieval copper alloy thimble	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
838	MKE66658	Post-Medieval copper alloy dress hook	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
852	MKE66705	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
853	MKE66706	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
855	MKE66708	Post-Medieval copper alloy finger ring	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
857	MKE66710	Medieval copper alloy buckle	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
858	MKE66711	Medieval copper alloy harness pendant	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
861	MKE66719	Bronze Age copper alloy toggle	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
864	MKE66731	Post-Medieval copper alloy buckle	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
865	MKE66732	Post-Medieval lead powder measure	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
866	MKE66733	Medieval copper alloy jetton	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
867	MKE66750	Medieval copper alloy harness pendant	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
868	MKE66751	Post-Medieval copper alloy knife	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
869	MKE66752	Post-Medieval copper alloy sword belt	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
870	MKE66753	Roman silver coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
874	MKE66765	Medieval copper alloy harness pendant	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
879	MKE66771	Medieval copper alloy pendant	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
881	MKE66784	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
882	MKE66786	Post-Medieval copper alloy dress hook	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
883	MKE66787	Medieval lead seal matrix	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
888	MKE66800	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
889	MKE66801	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
890	MKE66802	Roman copper alloy brooch	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
891	MKE66803	Medieval lead button	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
892	MKE66804	Iron Age copper alloy toggle	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
893	MKE66805	Post-Medieval silver ring	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
894	MKE66806	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
895	MKE66807	Roman copper alloy brooch	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
896	MKE66808	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
902	MKE66814	Iron Age gold coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
903	MKE66818	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
904	MKE66819	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
905	MKE66820	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
909	MKE66824	Medieval copper alloy jetton	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed.	None	No change	Neutral
918	MKE66835	Early Medieval silver coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
919	MKE66842	Medieval copper alloy strap fitting	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
920	MKE66843	Medieval silver coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
922	MKE66846	Neolithic flint lithic implement	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
923	MKE66847	Neolithic flint lithic implement	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
924	MKE66848	Mesolithic flint lithic implement	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
925	MKE66856	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
930	MKE66862	Post-Medieval copper alloy harness fitting	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
931	MKE66863	Post-Medieval copper alloy purse	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
934	MKE66870	Iron Age copper alloy brooch	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
935	MKE66878	Roman copper alloy brooch	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
940	MKE66888	Post-Medieval silver coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
941	MKE66890	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
942	MKE66891	Iron Age copper alloy brooch	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
946	MKE66907	Roman copper alloy brooch	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
948	MKE66921	Post-Medieval copper alloy token	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
949	MKE66922	Medieval lead seal matrix	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
950	MKE66923	Medieval copper alloy spur	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
951	MKE67030	Early Medieval copper alloy strap end	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
952	MKE67036	Early Medieval copper alloy mount	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
953	MKE67037	Early Medieval copper alloy strap end	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
954	MKE67038	Early Medieval copper alloy brooch	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
955	MKE67094	Mesolithic flint axe	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
956	MKE67098	Medieval copper alloy buckle	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
957	MKE67099	Post-Medieval copper alloy mount	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
958	MKE67100	Post-Medieval copper alloy token	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
959	MKE67101	Post-Medieval copper alloy thimble	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
967	MKE67197	Early Medieval silver hooked tag	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
968	MKE67198	Medieval silver buckle	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
969	MKE67224	Medieval lead seal matrix	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
970	MKE67239	Post-Medieval silver coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
971	MKE67243	Early Medieval copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
972	MKE67244	Medieval silver coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
973	MKE67248	Medieval copper alloy buckle	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
974	MKE67249	Medieval silver coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
975	MKE67252	Medieval silver coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
976	MKE67261	Medieval lead seal matrix	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
977	MKE67263	Early Medieval copper alloy strap end	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
978	MKE67265	Unknown copper alloy unidentified object	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
979	MKE67294	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
982	MKE67343	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
983	MKE67344	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
984	MKE67347	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
985	MKE67348	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
986	MKE67351	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
987	MKE67352	Iron Age gold coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
988	MKE67352	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
989	MKE67354	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
990	MKE67355	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
991	MKE67356	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
992	MKE67359	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
993	MKE67360	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
994	MKE67361	Iron Age silver coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
995	MKE67362	Iron Age gold coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
996	MKE67364	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
997	MKE67371	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
998	MKE67372	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
999	MKE67373	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1000	MKE67375	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1001	MKE67455	Copper alloy buckle	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1002	MKE67456	Copper alloy brooch	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1003	MKE67457	Copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1004	MKE67458	Silver coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1006	MKE67482	Copper alloy bell	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1007	MKE67483	Medieval copper alloy buckle	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1009	MKE67491	Copper alloy pin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
1010	MKE67492	Copper alloy strap end	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1011	MKE67493	Copper alloy rowel spur	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1012	MKE67494	Copper alloy unidentified object	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1013	MKE67495	Copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1014	MKE67496	Copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1015	MKE67497	Copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1016	MKE67498	Copper alloy strap end	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1070	MKE75717	Copper alloy harness	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1071	MKE79580	Post-Medieval copper alloy button	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1072	MKE79581	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1073	MKE79582	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1074	MKE79583	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1075	MKE79584	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1076	MKE79585	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1077	MKE79586	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1078	MKE79587	Medieval copper alloy jetton	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1098	MKE79607	Medieval copper alloy bell	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1099	MKE79608	Medieval copper alloy strap fitting	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1100	MKE79609	Post-Medieval silver coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1101	MKE79610	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
1102	MKE79611	Medieval silver coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1108	MKE79617	Bronze Age copper alloy spear	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1109	MKE79618	Post-Medieval lead alloy token	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1121	Kent HER MKE84315	Hever Farm (below-ground remains of former farmstead)	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
1122	MKE84316	Chapel Farm (below-ground remains of former farmstead)	Low	None	Sited in vicinity of the Order Limits, construction activity along the new route of the A122 would temporarily introduce additional noise, lighting and visible construction activity and machinery to the setting of this asset, resulting in negligible adverse impact.	None	Negligible adverse	Temporary Slight adverse	None	None required	No change	Neutral
1123	MKE84317	Orchard House (Hever Court Orchard). Historic farmstead below ground archaeology	Low	None	Sited in vicinity of the Order Limits, construction activity along the new route of the A122 would temporarily introduce additional noise, lighting and visible construction activity and machinery to the setting of this asset, resulting in negligible adverse impact.	None	Negligible adverse	Temporary Slight adverse	None	None	No change	Neutral
1124	MKE84318	Outfarm south of Orchard House (below-ground remains)	Low	None	Negligible adverse through increase in activity by construction to the south and utilities to the north but overall character remains urban.	None	Negligible adverse	Temporary Slight adverse	None	None	No change	Neutral
1125	Kent HER MKE84319	Farmstead north west of Orchard House (below-ground remains of former farmstead)	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
1131	TQ 66 NE 224	Yard north of Readers	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1141	MKE84456	Outfarm north-east of Ifield Place	Low	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
		(below-ground remains)										
1144	MKE84459	Outfarm north-north-east of Barrett's Folly (below-ground remains)	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1145	MKE84460	Green Farm	Low	None	The setting does not extend to the construction activity.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
1148	MKE84464	Outfarm to south-south-west of Queen's Farm	Low	None	Minor adverse due to proximity of A226 Gravesend Road compound, reducing historic rural setting with which asset had functional relationship. The relationship with primary farm at Queen's Farm will be maintained.	None	Minor adverse	Slight adverse	None - land to be reinstated.	None	No change	Neutral
1153	MKE88845	Outfarm north of White Horse Cottage	Low	None	Construction of main alignment, earthworks and gas utility works c. 200m west of the asset would introduce additional noise, light and dust to the rural setting. However, as this farmstead has been demolished the contribution of the rural setting to its value has been diminished.	Good Practice	Minor adverse	Temporary Slight adverse	The main alignment would be located c. 200m west of the asset, eroding the rural setting to the west. However, as this farmstead has been demolished the contribution of the rural setting to its value has been diminished. The effect is considered to be slight	Planting of the main alignment earthworks with Species-Rich Grassland LE1.3 to maintain a degree of the former openness.	Minor adverse	Slight adverse

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
									rather than neutral due to the scale of the visual change,			
1158	MKE95424	Roman copper alloy brooch	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1165	MKE95478	Medieval copper alloy strap fitting	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1166	MKE95479	Medieval copper alloy thimble	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1167	MKE95480	Medieval copper alloy candlestick	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1168	MKE95486	Post-Medieval copper alloy unidentified object	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1169	MKE95487	Medieval copper alloy strap fitting	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1170	MKE95488	Medieval copper alloy buckle	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1172	MKE95490	Neolithic Flint lithic implement	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1173	MKE95491	Medieval silver coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1174	MKE95492	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1180	MKE95498	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1189	MKE95518	Copper alloy buckle	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1275	MKE95608	Copper alloy brooch	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1276	MKE95609	Copper alloy strap end	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1277	MKE95610	Copper alloy finger ring	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1280	MKE97401	The Laughing Water Restaurant and Tea Rooms	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1281	MKE97489	Plantation and Shepherds Cottage	Low	None	Construction works surrounding the asset will introduce additional noise,	Good Practice	Minor	Neutral	Retention of vegetation in Cobham Hall	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
					lighting and dust to its setting (although its setting has been greatly eroded by the surrounding modern roads and the asset has been spatially severed from Cobham Hall RPG1). Due to the pre-existing erosion of the setting, the effect is considered to be neutral rather than slight.				RPG1 and adjoining A2 in close proximity.			
1283	TQ 66 NE 1	4th century Roman coin hoard	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1284	TQ 66 NE 101	Lynchet? Cobham Park	Low	None	Negligible adverse - based on potential loss of park features which hold a historical association to these assets.	None	Negligible adverse	Neutral	None	None	No change	Neutral
1285	TQ 66 NE 102	Former Yard Surfaces	Low	None	No change - due to limited understanding of asset's nature gained through excavation although setting believed to be limited to location in Cobham Park.	None	No change	Neutral	None	None	No change	Neutral
1287	TQ 66 NE 104	Park Pale, Cobham Park	Low	None	Minor- potential further severing of association with Cobham Park during construction. However, the presence of Brewers Road has already created a physical barrier and the primary setting association is through the asset's historical value.	Archaeological excavation and recording in areas not impacted by modern infrastructure, where remains associated with the Pale may survive.	Minor adverse	Slight adverse	No change - no additional permanent above ground infrastructure will result in a separation of the asset to Cobham Park than is already present.	None	No change	Neutral
1289	TQ 66 NE 106	A single Early Neolithic worked flint	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1296	TQ 66 NE 114	Jeskyns Court Barn	Low	None	No change - asset demolished. Setting influenced by location at Jeskyns Court and surrounding farmland which does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
1297	TQ 66 NE 185	Cobham Second World War Vulnerable Point V7	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1300	TQ 66 NE 195	RAF Second World War camp site 1 in Ashenbank Wood, Cobham	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral
1301	TQ 66 NE 197	RAF Second World War camp site 5, Ashenbank Wood, Cobham, Kent	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral
1305	TQ 66 NE 207	Former site of the Fountain House, Cobham Hall	Low	None	None	None	No change	Neutral	No change - established of NMU	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
									route in woodland to north will not adversely affect its setting.			
1307	TQ 66 NE 209	Lynchets, Cobham Hall Park	Low	None	Negligible adverse - based on potential loss of park features which hold a historical association to these assets.	None	Negligible	Neutral	None	None	No change	Neutral
1308	TQ 66 NE 210	Late medieval buildings, Cobham Hall	Medium	None	No change - setting influenced by location next to Cobham Hall and within Cobham Park. This setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
1309	TQ 66 NE 222	Crash site of Supermarine Spitfire I	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1312	TQ 66 NE 225	Possible lynchet?, Cobham Park	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1315	TQ 66 NE 24	Possible medieval earthworks, Cobham Park	Medium	None	No change - setting influenced by location within the southern part of Cobham Park. Setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
1317	TQ 66 NE 3	Late 17th century conduit, Cobham Hall	Low	None	Negligible adverse - based on potential loss of park features which hold a historical association to these assets.	None	Negligible	Neutral	None	None	No change	Neutral
1318	TQ 66 NE 33	Roman brooch	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1319	TQ 66 NE 37	Rectilinear and curvilinear banks in Cobham Park	Low	None	No change - setting influenced by location within the southern part of Cobham Park. Setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
1320	TQ 66 NE 46	Copper Alloy Iron Age coin, Cobham Park	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1321	TQ 66 NE 47	Bronze harness pendant	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
1322	TQ 66 NE 48	Thirteenth Century lead seal-die	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1323	TQ 66 NE 60	Neolithic ditch and flints, Cobham Park	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
1326	TQ 66 NE 65	Post-Medieval ditch at Rochester and Cobham Golf Course	Low	None	Negligible adverse - based on potential loss of park features which hold a historical association to these assets.	None	Negligible	Neutral	None	None	No change	Neutral
1328	TQ 66 NE 70	Brewers Gate Post-Medieval Gatehouse	Low	None	Negligible adverse - based on potential loss of park features which hold a historical association to these assets.	None	Negligible	Neutral	None	None	No change	Neutral
1330	TQ 66 NE 72	Undated building? Cropmark in the field east of Jeskyns Court, near Cobham, Kent	Low	None	No change - setting influenced by location north-west of Cobham and immediate surrounding agricultural land. Setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
1332	TQ 66 NE 76	Post-Medieval Clay Pits, Shorne Woods Country Park	Low	None	No change - setting influenced by location in Brewers Wood. Does not extend to Application Site.	None	No change	Neutral	None	None	No change	Neutral
1333	TQ 66 NE 77	Lynchet Bank, Brewers Wood	Low	None	No change - setting influenced by location in Brewers Wood. Does not extend to Application Site.	None	No change	Neutral	None	None	No change	Neutral
1334	TQ 66 NE 78	Sunken Lane, Brewers Wood	Low	None	No change - setting influenced by location within Brewers Wood. Setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
1336	TQ 66 NE 80	Possible drainage ditch? Shorne Wood	Low	None	No change - setting influenced by location in Brewers Wood. Does not extend to Application Site.	None	No change	Neutral	None	None	No change	Neutral
1338	TQ 66 NE 82	Remains of 'Wash Plant' associated with modern clay extraction, Shorne Wood	Low	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
1339	TQ 66 NE 83	Monolith, Shorne Wood	Low	None	No change - setting influenced by location in Shorne Wood. Does not extend to Application Site.	None	No change	Neutral	None	None	No change	Neutral
1342	TQ 66 NE 86	Possible platform, Shorne Wood	Low	None	No change - setting influenced by location in Shorne Wood. Does not extend to Application Site.	None	No change	Neutral	None	None	No change	Neutral
1343	TQ 66 NE 87	Lynchet, Shorne Woods Country Park	Low	None	No change - setting influenced by location in Brewers Wood. Does not extend to Application Site.	None	No change	Neutral	None	None	No change	Neutral
1345	TQ 66 NE 89	Quarry, Brewers Wood, Shorne Woods Country Park	Low	None	No change - setting influenced by location in Brewers Wood. Does not extend to Application Site.	None	No change	Neutral	None	None	No change	Neutral
1346	TQ 66 NE 90	Possible microlith, Shorne Wood	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1348	TQ 66 NE 92	Ditch, Brewers Wood	Low	None	No change - setting influenced by location in Brewers Wood. Does not extend to Application Site.	None	No change	Neutral	None	None	No change	Neutral
1353	TQ 66 NE 99	Remaining sections of Hollow Way, Cobham Park	Low	None	Negligible adverse - based on potential loss of park features which hold a historical association to these assets.	None	Negligible	Neutral	None	None	No change	Neutral
1365	TQ 67 SE 1004	Windmill, Gravesend	Negligible	None	No change - asset demolished and area redeveloped.	None	No change	Neutral	None	None	No change	Neutral
1366	TQ 67 SE 1005	Denton Wharf, Gravesend	Low	None	No change - setting influenced by surrounding urban form and location on banks of River Thames. Setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
1379	TQ 67 SE 104	Enclosed settlement - cropmark	Negligible	None	No change - located on the line of HS1, assumed asset has been removed through modern development.	None	No change	Neutral	None	None	No change	Neutral
1380	TQ 67 SE 1040	Jetty, near to the 'Ship & Lobster', Denton	Low	None	No change - setting influenced by location on Thames foreshore. Although Application Site may be visible from distance, this aspect of the	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
					wider setting does not contribute to significance. Furthermore, due to the tunnel aspect of the Project in this area, the Project will not be visible to these assets.							
1381	TQ 67 SE 1044	Oval stone bank on foreshore by the Sea Training Centre, Gravesend. Wreck site?	Low	None	None	None	No change	Neutral	None	None	None	Neutral
1393	TQ 67 SE 109	Ring ditch - possible round barrow, cropmark	Medium	None	Loss of associated barrows within Application Site which form wider funerary landscape with this asset and others (1615, 3217). Removal of these will alter the characteristic understanding of this asset within its landscape.	Archaeological recording of associated barrows	Minor	Slight adverse	None	None	No change	Neutral
1398	TQ 67 SE 113	Possible enclosure fragment - cropmark	Low	None	No change - asset located on edge of urban development and setting would not be adversely affected by adjacent woodland planting.	None	No change	Neutral	None	None	No change	Neutral
1401	TQ 67 SE 1148	Rochester Road Second World War Police Telephone Box, Chalk, near Gravesend	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
1411	TQ 67 SE 1161	Lower Higham Road Second World War road block, Chalk	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral
1426	TQ 67 SE 1198	Shorne Second World War anti-aircraft searchlight post, Shorne, near Gravesend	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral
1430	TQ 67 SE 1205	Thong Lane Second World War light anti-aircraft battery, near Gravesend	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
					therefore, not present anymore.				river. Physical settings have been impacted through previous modern development and therefore, not present anymore.			
1443	TQ 67 SE 1251	Denton Mill, Gravesend (former site)	Low	None	No change - asset demolished and area redeveloped.	None	No change	Neutral	None	None	No change	Neutral
1450	TQ 67 SE 201	Greek coin dating to 3rd century BC	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1466	TQ 67 SE 24	1st century Roman flagon found AD 1957	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1470	TQ 67 SE 245	Post-Medieval Quarries, Singlewell	Low	None	No change - setting influenced by location to south of Singlewell. Setting does not extend to Application Site.	None	No change	Neutral	None	None	No change	Neutral
1489	TQ 67 SE 265	Mediaeval Windmill Mound, Randall Heath	Medium	None	No change - setting influenced by location at Randall Heath. Asset screened from the Application Site 150m to west by woodland. Setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
1490	TQ 67 SE 266	Lynchet Banks, Randall Heath	Low	None	No change - setting influenced by location in Randall Wood and through historical association to other Medieval features in the immediate area.	None	No change	Neutral	None	None	No change	Neutral
1491	TQ 67 SE 267	Sunken Lane, Randall Heath	Low	None	No change - setting influenced by location in Randall Wood and through historical association to other Medieval features in the immediate area.	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
1503	TQ 67 SE 278	Brick Tank	Negligible	None	No change	None	No change	Neutral	None	None	No change	Neutral
1511	TQ 67 SE 294	Earthwork of a mound in Shorne	Low	None	No change - setting informed by location on edge of Shorne and does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
1538	TQ 67 SE 335	Neolithic leaf-shaped arrowhead, Queen's Farm	Low	None	No change	None	No change	Neutral	None	None	No change	Neutral
1539	TQ 67 SE 337	Roman field system, Queen's Farm	Low	None	No change	None	No change	Neutral	None	None	No change	Neutral
1540	TQ 67 SE 339	Crash site of Messerschmitt Bf109E-1	Medium	None	No change	None	No change	Neutral	None	None	No change	Neutral
1543	TQ 67 SE 343	Bridge No. 3 over the Thames and Medway Canal	Low	None	No change - setting influenced by asset's location on Thames and Medway Canal and does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
1550	TQ 67 SE 354	Later Prehistoric flints, Singlewell	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1553	TQ 67 SE 357	Crash site of Hawker Hurricane I	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
1560	TQ 67 SE 365	P47 Thunderbolt crash site, Crown Lane, Shorne, Gravesham	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral
1563	TQ 67 SE 369	Medieval pit, Hever Court Road, Gravesend	Negligible	None	No change - assets previously removed by archaeological excavation	None	No change	Neutral	None	None	No change	Neutral
1565	TQ 67 SE 371	Post-Medieval brickearth quarrying features, Hever Court Road, Gravesend	Negligible	None	No change - asset removed by previous archaeological excavation.	None	No change	Neutral	None	None	No change	Neutral
1566	TQ 67 SE 372	Anglo-Saxon ditch, Hever Court Road, Gravesend	Negligible	None	No change - assets previously removed by archaeological excavation	None	No change	Neutral	None	None	No change	Neutral
1567	TQ 67 SE 373	Early Roman ditches, Hever Court Road, Gravesend	Negligible	None	No change - asset previously removed through excavation	None	No change	Neutral	None	None	No change	Neutral
1568	TQ 67 SE 374	Medieval ditch, Hever Court Road, Gravesend	Negligible	None	No change - assets previously removed by archaeological excavation	None	No change	Neutral	None	None	No change	Neutral
1570	TQ 67 SE 376	Large Post-Medieval pit, Hever Court Road, Gravesend	Negligible	None	No change - asset removed by previous archaeological excavation.	None	No change	Neutral	None	None	No change	Neutral
1572	TQ 67 SE 378	Neolithic polished flint axe-head,	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
		Hever Court Road, Gravesend										
1573	TQ 67 SE 379	Worked flint scatter, Hever Court Road, Gravesend	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1574	TQ 67 SE 380	Post-medieval layers, Hever Court Road, Gravesend	Negligible	None	No change - asset removed by previous archaeological excavation.	None	No change	Neutral	None	None	No change	Neutral
1575	TQ 67 SE 381	14th century jug handle fragment, Hever Court Road, Gravesend	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1576	TQ 67 SE 382	Romano-British ditch, east of Allen's Mead, Gravesend	Negligible	None	No change - asset previously removed through excavation	None	No change	Neutral	None	None	No change	Neutral
1578	TQ 67 SE 39	Roman coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1581	TQ 67 SE 42	Three Roman graffiti	Negligible	None	No change - asset previously removed through excavation	None	No change	Neutral	None	None	No change	Neutral
1583	TQ 67 SE 44	Roman beaker	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1588	TQ 67 SE 56	Mesolithic find	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1589	TQ 67 SE 57	Mesolithic flints, Randall Heath, Shorne	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1591	TQ 67 SE 61	Romano-British urns fibulae and iron nails	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1592	TQ 67 SE 62	Samian vessel	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1610	TQ 67 SE 8	Romano-British settlement - associated with pottery making (1st-5th century.)	Medium	None	No change - setting influenced by evidential and historical association with other settlement activity in the area, namely asset 664. The Application Site does not form part of this setting.	None	No change	Neutral	None	None	No change	Neutral
1621	TQ 67 SE 93	Shorne windmill	Low	None	No change - setting informed by location in	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
					Shorne and does not extend to the Application Site.							
1623	TQ 67 SE 95	Bronze Armorial Plaque	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1624	TQ 67 SE 96	Penny of Coenwulf, found at East Court Farm	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1625	TQ 67 SE 98	14th century bronze seal die	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1641	TQ 67 SW 1050	South-East of Tollgate Late Iron Age/Early Romano-British Features, Near Tollgate	Negligible	None	No change - asset previously removed by excavation	None	No change	Neutral	None	None	No change	Neutral
1645	TQ 67 SW 124	Post-Medieval trackway	Negligible	None	No change - asset previously removed by archaeological excavation	None	No change	Neutral	None	None	No change	Neutral
1646	TQ 67 SW 126	Enclosed settlement - cropmark	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
1653	TQ 67 SW 134	Cropmark of (possibly Roman) enclosed settlement	Medium	None	No change - setting influenced by Roman activity immediately surrounding the asset through historical and evidential value.	None	No change	Neutral	None	None	No change	Neutral
1654	TQ 67 SW 135	Cropmark of (possibly Bronze Age) circular/sub circular enclosed settlement	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
1655	TQ 67 SW 136	Possible enclosure fragment - cropmark	Low	None	No change - setting influenced by location south of HS1 and surrounding agricultural land which does not include the Application Site.	None	No change	Neutral	None	None	No change	Neutral
1656	TQ 67 SW 137	Field system - cropmark	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1657	TQ 67 SW 16	Romano-British rubbish pit	Negligible	None	No change - asset previously removed by archaeological excavation	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
1658	TQ 67 SW 17	Romano-British tile cist	Negligible	None	No change - asset previously removed by archaeological excavation	None	No change	Neutral	None	None	No change	Neutral
1660	TQ 67 SW 3	Cropmark of small rectangular enclosure	Low	None	No change - setting influenced by location south of HS1 and surrounding agricultural land which does not include the Application Site.	None	No change	Neutral	None	None	No change	Neutral
1661	TQ 67 SW 369	Lower Palaeolithic Handaxe found near Tollgate	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1670	TQ 67 SW 609	Prehistoric flint, Wrotham Road	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1672	TQ 76 NW 278	Possible Park Pale, Cobham Park	Low	None	Negligible adverse - based on potential loss of park features which hold a historical association to these assets.	None	Negligible	Neutral	None	None	No change	Neutral
1673	TQ 76 NW 279	Possible Dene hole in Cobham Park	Low	None	Negligible adverse - based on potential loss of park features which hold a historical association to these assets.	None	Negligible	Neutral	None	None	No change	Neutral
1676	TQ 76 NW 380	Mesolithic Burin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1677	TQ 76 NW 53	Neolithic axe	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1678	TQ 76 NW 761	Two undated circular pits, south of Great Crabbles Wood	Negligible	None	No change - asset removed by previous archaeological excavation.	None	No change	Neutral	None	None	No change	Neutral
1679	TQ 76 NW 762	Roman and Prehistoric finds, south of Great Crabbles Wood	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1719	MKE66734	Early Medieval copper alloy brooch	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1745	EKE8196	Wainscott Northern By-pass: Shorne, Medway	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
1757	EKE16317	Hever Court Road, Singlewell, Gravesend, Kent	Low	None	No change - asset previously removed by excavation	None	No change	Neutral	None	None	No change	Neutral
1759	EKE9045	West of Church Road, Singlewell	Low	None	No change - asset previously removed by excavation	None	No change	Neutral	None	None	No change	Neutral
1760	EKE9058	Package 330	Negligible	None. This asset is no longer present.	None. This asset is no longer present.	None	No change	Neutral	None. This asset is no longer present.	None	No change	Neutral
1768	EKE11588	Knight's Place Farm, Cobham Park	Low	None	No change - asset previously removed by excavation	None	No change	Neutral	None	None	No change	Neutral
1769	EKE12384	Shorne Woods Country Park	Low	None	No change - setting influenced by location in Shorne. Does not extend to Application Site.	None	No change	Neutral	None	None	No change	Neutral
1773	EKE8639	Brick soakaway at St Margaret's Church, Ifield, Gravesend	Low	None	No change - setting informed by their location by St Margaret's Church Ifield and does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
1786	EKE8435	Wainscott Northern Link Road- possible denehole	Negligible	N/A as asset has been previously removed.	N/A	None	No change	Neutral	N/A as asset has been previously removed.	None	No change	Neutral
1815	Shorne Tithe map of 1842 and also the late 19th and early 20th century OS map	Baynards Cottage which appears on the Shorne Tithe map of 1842 and also the late 19th and early 20th century OS maps. Demolished by the late 20th century.	Low	None.	None	None required	No change	Neutral	None	None	No change	Neutral
1834	Site walkover	Probable quarry in Cobham Park.	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1835	Site walkover	Area of depressions masked by overgrown vegetation. Unclear if archaeological features but may hold	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
		archaeological interest.										
1836	Site walkover	Rectangular shaft entrance with metal lining at top. Filled in but main shaft appears to be concrete where visible. Likely WWII RAF camp association.	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1837	Site walkover	Concrete wall with three fragments visible. Drain visible on northern edge of western most fragment. Likely associated with WWII RAF camp.	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1838	Site walkover	Hole with rumble fill of possible former RAF camp building material. Could however, be modern disturbance.	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1839	Site walkover	Drain with possible manhole cover. Drain heading ESE. Likely associated with RAF camp.	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1844	Site walkover	Rectangular depression in ground with banks providing footprint. Some building material present primarily three courses of brick in SE corner and drain in SW corner. Likely former building of RAF camp.	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1846	Site walkover	Earth mound to northern edge of	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
		footpath. Unclear how far NW feature extends. Project										
1847	Site walkover	Earthen mound on southern side of footpath. Extent of feature is unclear.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
1850	Site walkover	Shallow linear depression. Probable former drainage ditch or watercourse.	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1851	Site Walkover and historic maps	Quarry	Low	None	None	None	No change	Neutral	No change - immediate rural setting will be reinstated	None	No Change	Neutral
1872	Site walkover	Visible earth works, east West Bank and bowl features	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1878	MKE1589	Shomemead Fort, Gravesend	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
1883	MKE104337	Former C17 Avenues radiating from the west front of Cobham Hall	Low	None	Negligible adverse - based on potential loss of park features which hold a historical association to these assets.	None	Negligible	Neutral	No change - works are below ground utilities works in the area	None	No change	Neutral
1884	MKE114356	Linear earthwork on the edge of Cobham Park	Low	None	Negligible adverse - based on potential loss of park features which hold a historical association to these assets.	None	Negligible	Neutral	None	None	No change	Neutral
1992	MKE114351	Enclosure seen on 1797 map and LiDAR	Low	None	No change - setting influenced by location in Shome Woods and does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
1993	Late 19th century OS maps	Brickworks, identified through research as Brickkilns, possible two	Low	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
		different kilns. Possibly destroyed through the A2 widening works.										
1994	MKE114353	Air raid shelter	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1995	MKE114357	Foundations of possible World War Two building	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
1996	MKE114358	Site of post medieval building on Peggy Taylor's Hill	Low	None	No change - setting influenced by location within Cobham Park and does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
2265	TQ 66 NE 4	Possible Stone Circle in Cobham village	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
2271	TQ 66 NE 29	Former site of Dickens' Chalet	Low	None	Negligible adverse - based on potential loss of park features which hold a historical association to these assets.	None	Negligible	Neutral	None	None	No change	Neutral
2283	TQ 67 SE 345	Bridge no. 5, Thames and Medway Canal	Low	None	No change - setting informed by location of Thames and Medway Canal and does not extend to the Application Site	None	No change	Neutral	None	None	No change	Neutral
2284	TQ 67 SE 11	Brass of Constantinus	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2286	TQ 67 SE 13	Chapel farm	Low	None	No change - setting influenced by location on Hever Court Road.	None	No change	Neutral	None	None	No change	Neutral
2293	TQ 67 SE 49	Swing bridge on Thames and Medway Canal	Low	None	No change - setting informed by location of Thames and Medway Canal and does not extend to the Application Site	None	No change	Neutral	None	None	No change	Neutral
2294	TQ 67 SE 51	Chapel farm	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
2297	TQ 67 SE 65	Lazy beds, Rectangular Enclosure, Cropmark, Earthworks	Low	None	No change - setting limited to immediate location next to Church Road and does not include the Application Site.	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
2300	TQ 67 SE 81	Ring ditch, possible enclosure fragment - cropmark	Medium	None	Removal of associated barrows in Order Limits south of Gravesend Road	Archaeological recording of associated barrows	Minor	Slight adverse	None	None	No change	Neutral
2301	TQ 67 SE 82	Ring ditch Possible round barrow, rectangular structure, cropmark	Medium	None	Removal of associated barrows in Order Limits south of Gravesend Road	Archaeological recording of associated barrows	Minor	Slight adverse	None	None	No change	Neutral
2302	TQ 67 SE 84	Cropmarks of possible Bronze Age circular/subcircular enclosed settlement and trackway	Medium	None	Removal of associated barrows in Order Limits south of Gravesend Road	Archaeological recording of associated barrows	Minor	Slight adverse	None	None	No change	Neutral
2303	TQ 67 SE 85	Track, field boundaries, cropmark	Low	None	No change - setting influenced by location north of A226 and immediate agricultural land. Does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
2304	TQ 67 SE 86	Rectilinear enclosed settlement; possible enclosure fragment - cropmark	Medium	None	No change - setting informed by the agricultural location and immediate associations north of A226. Setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
2309	TQ 67 SE 99	Early-medieval cemetery	Medium	None	No change - setting influenced by location north of Higham Road and its immediate surrounding at the southern edge of East Court marshes. Setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
2314	TQ 67 SW 15	Cropmark - Enclosed Settlement	Negligible	None	No change - located around large infrastructure of the A2 and HS1 and assumed remains have been lost due to this infrastructure.	None	No change	Neutral	None	None	No change	Neutral
2316	TQ 67 SW 19	Iron Age gold coin found at tollgate inn	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2318	TQ 67 SW 22	Neolithic axe	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
2329	TQ 66 NE 64	Prehistoric remains at Rochester and Cobham Golf course	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2333	TQ 67 SW 122	Pits, Cropmarks	Low	None	No change - setting influenced by immediate surrounding agricultural land which does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
2334	TQ 67 SW 123	Late Iron Age/Roman field system, West of Tollgate	Negligible	None	No change - asset previously removed by excavation	None	No change	Neutral	None	None	No change	Neutral
2335	TQ 67 SW 125	Enclosed settlement complex - cropmark	Negligible	None	No change - asset removed by previous archaeological excavation.	None	No change	Neutral	None	None	No change	Neutral
2336	TQ 67 SW 127	Cropmarks of (possibly Roman) settlement complex - rectangular enclosed settlement with entrances and internal features	Medium	None	No change - setting influenced by Roman activity immediately surrounding the asset through historical and evidential value.	None	No change	Neutral	None	None	No change	Neutral
2339	TQ 66 NE 71	West of Scalers Hill, Late Iron Age/Early Roman activity	Negligible	None	No change - asset previously removed by excavation	None	No change	Neutral	None	None	No change	Neutral
2347	TQ 67 SW 256	Prehistoric Finds, Off Landseer Avenue, Gravesend	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2421	TQ 67 SW 370	Northumberland Bottom Anti-Aircraft Battery and Camp (Site of)	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
									impacted through previous modern development and therefore, not present anymore.			
2443	TQ 67 SW 488	Late Bronze Age features and Early Iron Age - Medieval occupation at areas B and C along the A2 Pepperhill to Cobham widening scheme	Negligible	None	No change - asset previously removed by excavation	None	No change	Neutral	None	None	No change	Neutral
2446	TQ 67 SW 462	Iron Age Pits associated with Iron Age ditches	Negligible	None	No change - asset previously removed by excavation	None	No change	Neutral	None	None	No change	Neutral
2448	TQ 67 SW 463	Medieval Dene holes - A2 Pepperhill to Cobham widening scheme	Negligible	None	No change - asset previously remove through archaeological excavation.	None	No change	Neutral	None	None	No change	Neutral
2456	TQ 66 NE 198	Leather Bottle Second World War Home Guard headquarters, Cobham	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
2458	TQ 66 NE 183	Owletts Second World War Civil Defence depot, The Street, Cobham	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral
2468	TQ 67 SW 1164	Northumberland Bottom Second World War Defended Locality, Gravesend	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral
2478	TQ 67 SW 1305	Northumberland Bottom Second World War Police Telephone Box	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
					therefore, not present anymore.				river. Physical settings have been impacted through previous modern development and therefore, not present anymore.			
2484	TQ 67 SW 1297	Singlewell Second World War air wardens post and air raid siren, Watling Street, Gravesend	Negligible	This asset has been previously removed, and any below-ground remains will have been removed during the A2 realignment.	N/A	None	No change	Neutral	None	None	No change	Neutral
2493	TQ 66 NE 176	Cobham Primary School Second World War air raid shelter (Eastern), The Street, Cobham, Kent	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral
2494	TQ 66 NE 175	Cobham Primary School Second World War air raid shelter (western),	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been	None	No change	Neutral	No change - setting influenced by historical group value	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
		The Street Cobham, Kent			impacted through previous modern development and therefore, not present anymore.				of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.			
2514	TQ 67 SW 1061	Late Iron Age to Roman features, pottery, daub, animal bone and flint, Northumberland Bottom, Gravesham	Negligible	None	No change - asset previously removed by excavation	None	No change	Neutral	None	None	No change	Neutral
2515	TQ 67 SE 288	Features recorded in Plot 11.8 on the Grain-Shorne Pipeline watching brief	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
2519	TQ 67 SE 292	Crash site of Hawker Hurricane V6550	Low	None	No change - exact location of crash sites not known.	None	No change	Neutral	None	None	No change	Neutral
2524	MKE57995	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2531	MKE58085	Medieval copper alloy buckle	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2535	MKE58120	Iron Age silver coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2536	MKE58121	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2850	MKE66686	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2876	MKE66816	Iron Age copper alloy harness fitting	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
2877	MKE66817	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2888	MKE66896	Medieval copper alloy knife	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2896	MKE66974	Post Medieval copper alloy lock	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2897	MKE66975	Post Medieval copper alloy dress fastener (dress)	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2935	MKE67093	Early Medieval copper alloy harness link	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2946	MKE67132	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2947	MKE67133	Medieval lead alloy mount	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2977	MKE67178	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2978	MKE67179	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2979	MKE67180	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2980	MKE67181	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2981	MKE67182	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2982	MKE67183	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2983	MKE67184	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2984	MKE67185	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2991	MKE67251	Post Medieval lead cloth seal	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2992	MKE67267	Medieval lead alloy seal matrix	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
2998	MKE67317	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3019	MKE67479	Neolithic flint scraper (tool)	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
3023	MKE70716	Unknown copper alloy unidentified object	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3052	TQ 67 SE 1237	Milestone on Gravesend Road, Shorne	Low	None - located outside of the Application Site.	No change - asset will remain in its historical location along the A226. Works within the Application Site will not change the way the asset is experienced. Its historical function will remain relevant.	None	No change	Neutral	None	None	No change	Neutral
3064	TQ 66 NE 204	Prehistoric flint, Henhurst	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3066	TQ 67 SE 302	Possible saltern	Low	None	No change - setting informed by location on marshes but setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
3067	TQ 67 SE 301	Probable salterns	Low	None	No change - setting informed by location on marshes but setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
3072	TQ 67 SW 502	Roman pottery, Northfleet Riding School East	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3076	TQ 67 SW 505	Medieval ditch, west of Tollgate	Negligible	None	No change - asset previously removed by archaeological excavation	None	No change	Neutral	None	None	No change	Neutral
3093	MKE79658	copper alloy spoon	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3094	MKE79659	copper alloy strap end	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3095	MKE79660	copper alloy strap fitting	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3096	MKE79661	copper alloy mount	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3099	TQ 67 SW 526	Middle Bronze Age pit with burnt animal remains, Downs Road	Negligible	None	No change - asset removed as previously excavated	None	No change	Neutral	None	None	No change	Neutral
3100	TQ 67 SW 527	Iron Age pits and post hole, Downs Road	Negligible	None	No change - asset removed as previously excavated	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
3101	TQ 67 SW 528	Iron Age boundary ditch, Downs Road	Negligible	None	No change - asset removed as previously excavated	None	No change	Neutral	None	None	No change	Neutral
3103	TQ 67 SW 530	Roman cemetery, Downs Road	Negligible	None	No change - asset removed by previous archaeological excavation.	None	No change	Neutral	None	None	No change	Neutral
3104	TQ 67 SW 531	Early medieval occupation, Downs Road	Negligible	None	No change - asset previously removed by archaeological excavation	None	No change	Neutral	None	None	No change	Neutral
3110	TQ 67 SW 542	A Beaker burial, Northumberland Bottom	Negligible	None	No change - asset removed as previously excavated	None	No change	Neutral	None	None	No change	Neutral
3114	TQ 67 SW 546	Middle Iron Age ditch and Roman linear features, Northumberland Bottom	Negligible	None	No change - asset removed as previously excavated	None	No change	Neutral	None	None	No change	Neutral
3116	TQ 67 SW 548	Roman enclosures, Northumberland Bottom	Negligible	None	No change - asset removed by previous archaeological excavation.	None	No change	Neutral	None	None	No change	Neutral
3125	TQ 67 SE 325	Late Bronze Age pit, Henhurst Road	Negligible	None	No change - asset removed as previously excavated	None	No change	Neutral	None	None	No change	Neutral
3127	TQ 67 SE 328	Medieval marl pit and ditch, Church Road	Negligible	N/A as asset has been previously removed by archaeological excavation.	N/A	None	No change	Neutral	N/A as asset has been previously removed.	None	No change	Neutral
3181	MKE84368	Mill Farm (Manor House)	Low	None	Utility works within Halfpence Lane c. 100m to the east are not considered to result in harm to the asseting.	None	No change	Neutral	The setting does not extend to the operational alignment or permanent landscaping elements.	None	No change	Neutral
3183	TQ 67 SE 342	Site of Milton Range halt	Low	None	No change - setting influenced by location next to North Kent Railway of which it has historical association. Application Site will not sever the historical association with the Railway	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
					as the Project is proposed to be a tunnel at this point.							
3188	ATT WSI no. U, HER TQ 67 SE 332	Former site of oasthouse west of Baynards Cottage	Low	None.	None	None required	No change	Neutral	None	None required	No change	Neutral
3188	TQ 67 SE 332	Former site of oasthouse west of Baynards Cottage	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
3197	TQ 67 SW 621	Palaeolithic flints, A2 Activity Park, Gravesend	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3198	TQ 67 SW 622	Prehistoric flints, A2 Activity Park, Gravesend	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3199	TQ 67 SW 623	Bronze Age ditch and cremations, A2 Activity Park, Gravesend	Negligible	None	No change - asset removed as previously excavated	None	No change	Neutral	None	None	No change	Neutral
3200	TQ 67 SW 625	Late Bronze Age/Early Iron Age occupation, A2 Activity Park, Gravesend	Negligible	None	No change - asset removed as previously excavated	None	No change	Neutral	None	None	No change	Neutral
3201	TQ 67 SW 626	Middle Iron Age enclosure, A2 Activity Park, Gravesend	Negligible	None	No change - asset removed as previously excavated	None	No change	Neutral	None	None	No change	Neutral
3202	TQ 67 SW 627	Middle Iron Age post-built structures, A2 Activity Park, Gravesend	Negligible	None	No change - asset removed as previously excavated	None	No change	Neutral	None	None	No change	Neutral
3203	TQ 67 SW 628	Middle Iron Age pits, A2 Activity Park, Gravesend	Negligible	None	No change - asset removed as previously excavated	None	No change	Neutral	None	None	No change	Neutral
3204	TQ 67 SW 629	Late Iron Age/early Roman inhumation cemetery, A2 Activity Park, Gravesend	Negligible	None	No change - asset removed as previously excavated	None	No change	Neutral	None	None	No change	Neutral
3205	TQ 67 SW 630	Roman cremation burial, A2 Activity Park, Gravesend	Negligible	None	No change - asset removed by previous archaeological excavation.	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
3206	TQ 67 SW 631	Undated cremation burials, A2 Activity Park, Gravesend	Negligible	None	No change - asset removed by previous archaeological excavation.	None	No change	Neutral	None	None	No change	Neutral
3207	TQ 67 SW 632	Roman enclosure, A2 Activity Park, Gravesend	Negligible	None	No change - asset removed by previous archaeological excavation.	None	No change	Neutral	None	None	No change	Neutral
3216	TQ 67 SE 103	Cropmark rectangular enclosed settlement, with no entrance or internal features Possibly Iron Age	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
3217	TQ 67 SE 108	Ring ditch - possible round barrow, cropmark	Medium	None	Loss of associated barrows within Application Site which form wider funerary landscape with this asset and others (1615, 1393). Removal of these will alter the characteristic understanding of this asset within its landscape.	Archaeological recording of associated barrows	Minor	Slight adverse	None	None	No change	Neutral
3219	TQ 67 SE 115	Possible field system - cropmark	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
3220	TQ 67 SE 118	Trackway - cropmark	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
3229	MKE95426	Bronze Age copper alloy unidentified object	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3236	MKE95453	Copper alloy coin weight	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3237	MKE95454	Lead thimble	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3261	TQ 67 SE 370	Prehistoric ditches, Hever Court Road, Gravesend	Negligible	None	No change - assets removed as previously excavated	None	No change	Neutral	None	None	No change	Neutral
3262	TQ 67 SE 375	Late Medieval to Post-Medieval features, Hever Court Road, Gravesend	Negligible	None	No change - asset removed by previous archaeological excavation.	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
3265	TQ 67 SE 377	Undated ditch and post holes, Hever Court Road, Gravesend	Negligible	None	No change - asset removed by previous archaeological excavation.	None	No change	Neutral	None	None	No change	Neutral
3292	TQ 67 SE 1046	Peat banks on foreshore by Eastcourt Marshes	Medium	None	No change - project is under ground here so no visual impact	None	No change	Neutral	None	None	No change	Neutral
3293	TQ 67 SE 1047	Row of small posts, foreshore by Eastcourt Marshes	Low	None	No change - setting informed by immediate location on Thames foreshore and does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
3294	TQ 67 SE 1048	Possible Hard, Shome Marshes	Low	None	No change - setting informed by location on Shome marshes and River foreshore and does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
3295	TQ 67 SE 1049	Wooden posts, foreshore by Shome Marshes	Low	None	No change - setting influenced by location on Thames foreshore. Although Application Site may be visible from distance, this aspect of the wider setting does not contribute to significance. Furthermore, due to the tunnel aspect of the Project in this area, the Project will not be visible to these assets.	None	No change	Neutral	None	None	No change	Neutral
3296	TQ 67 SE 1050	Angled stakes and rubble on foreshore by Shome Marshes	Low	None	No change - setting influenced by location on Thames foreshore. Although Application Site may be visible from distance, this aspect of the wider setting does not contribute to significance. Furthermore, due to the tunnel aspect of the Project in this area, the Project will not be visible to these assets.	None	No change	Neutral	None	None	No change	Neutral
3297	TQ 67 SE 1051	Rectangular wooden post	Low	None	No change - setting influenced by location on	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
		structure on foreshore by Shorne Marshes			Thames foreshore. Although Application Site may be visible from distance, this aspect of the wider setting does not contribute to significance. Furthermore, due to the tunnel aspect of the Project in this area, the Project will not be visible to these assets.							
3301	TQ 67 SE 1024	Ship breaking activity by Gravesend	Low	None	No change - setting does not extend to the Application Site due to intervening urban form.	None	No change	Neutral	None	None	No change	Neutral
3302	TQ 67 SE 1022	Three mounds, Shorne Marshes	Low	None	No change -setting influenced by association to other mounds on marshland. Setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
3304	TQ 67 SE 1020	Circular embankment, Shorne Marshes, Gravesend	Low	None	No change -setting influenced by association to other mounds on marshland. Setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
3306	TQ 67 SE 1019	Ridge and furrow, near Gravesend	Negligible	None	No change - area redeveloped and asset likely removed.	None	No change	Neutral	None	None	No change	Neutral
3308	TQ 67 SE 1015	Unidentified square feature, near Shorne Fort	Low	None	No change - setting influenced by immediate location and historical association with assets 3338, 3474, 1878 which it has likely group value. Setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
3309	TQ 67 SE 1014	Salt workings	Low	None	No change - setting influenced by location on marshland. Project here would either be underground or be additional drainage, in keeping with the character of the marshland. Therefore, the character of	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
					the asset's setting would not change.							
3310	TQ 67 SE 1013	Salt workings near Gravesend	Negligible	None	No change - area redeveloped and asset likely removed.	None	No change	Neutral	None	None	No change	Neutral
3335	TQ 67 SE 1032	Causeway, Gravesend	Low	None	No change - setting informed by location in Gravesend and does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
3337	TQ 67 SE 1034	Rectangular Feature on foreshore, by Shorne Marshes	Low	None	No change - setting informed by location on Shorne marshes and River foreshore and does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
3338	TQ 67 SE 1035	Jetty by Shorne Marshes	Low	None	No change - setting informed by location on Shorne marshes and River foreshore and does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
3346	TQ 66 NE 73	Surface Air Raid Shelters at Cobham Primary School	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral
3352	TQ 67 SE 263	Substantial Lynchet Bank, Randall Wood	Low	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
3354	TQ 66 NE 74	Surface Air Raid Shelters at Cobham Primary School	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral
3382	TQ 66 NE 107	Early Bronze Age barrow, Cobham Golf Course	Negligible	None	No change - asset previously removed by excavation	None	No change	Neutral	None	None	No change	Neutral
3385	TQ 66 NE 110	Flint Scatter	Negligible	None	No change - asset previously removed by excavation	None	No change	Neutral	None	None	No change	Neutral
3386	TQ 66 NE 111	Late Iron Age/Early Roman Ditch, Knights Place Farm	Negligible	None	No change - asset previously removed by excavation	None	No change	Neutral	None	None	No change	Neutral
3387	TQ 66 NE 105	Brick Lined Pit, Cobham Park	Low	None	Minor adverse through the loss of associated features within Cobham Park which the asset has a historical association with.	None	Minor adverse	Slight adverse	None	None	No change	Neutral
3388	TQ 67 SE 1252	Shooting Butts at former Milton Rifle Ranges, Shorne Marshes	Low	None	No change - Project will be underground in this location. Therefore, historical functional association with Milton Firing Range will be maintained.	None	No change	Neutral	None	None	No change	Neutral
3423	MKE110584	Iron Age copper alloy brooch	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3424	MKE110587	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
3425	MKE110588	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3426	MKE110589	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3427	MKE110590	Post Medieval copper alloy bell	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3436	MKE110603	Roman copper alloy brooch	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3437	MKE110604	Medieval ceramic vessel	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3438	MKE110605	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
3447	TQ 67 SE 386	Former site of 'Monkin Tithe Barn', Thong	Low	None	No change - setting influenced by location within Thong and associated farm. Setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
3462	TQ 67 SE 87	Ring ditches - possible barrows, cropmarks	Medium	None	Removal of associated barrows within the Order Limits.	Archaeological excavation and recording of the associated barrows within the Order Limits	Minor	Slight adverse	None	None	No change	Neutral
3474	TQ 67 SE 210	Submarine mining establishment, Shome	Low	None	No change - setting influenced by location on marshes and association with Shornenmead Fort which it has a historical and functional relationship. Setting does not extend to the Application Site.	None	No change	Neutral	None	None	No change	Neutral
3747 and 3748	Lower Thames Crossing Archaeological Trial Trenching	Two ditches of Iron Age date identified in proximity, north of Ifield Place	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
3753 and 3754	Lower Thames Crossing Archaeological Trial Trenching	Early Medieval (3753) to Medieval (3754) farmstead	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral
3755	Lower Thames Crossing	Medieval corn dryer or malting kiln, likely	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
	Archaeological Trial Trenching	associated with 3753/3754										
4053	MWX20835	Gravesend, Chalk - gravel pits to east of Chalk, north side of Higham Road, at Filborough	Low	None	No change - isolated features of the date. Significance derived from evidential value.	None	No change	Neutral	None	None	No change	Neutral
4060	TQ 67 SW 624	Bronze Age funerary features, A2 Activity Park, Gravesend	Negligible	None	No change - asset previously removed by excavation	None	No change	Neutral	None	None	No change	Neutral
4070	1415987	HEAVY ANTI AIRCRAFT BATTERY TS17	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral
4073	1575833	Cropmarks of fragments of ditch and pits of uncertain date visible on aerial photographs.	Low	None	No change - setting influenced by location in surrounding agricultural land which does not include the Application Site.	None	No change	Neutral	None	None	No change	Neutral
4074	1417722	HEAVY ANTI AIRCRAFT BATTERY THAMES AND MEDWAY TS17	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the river. Physical	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
									settings have been impacted through previous modern development and therefore, not present anymore.			
4109	413188	Palaeolithic implement found by W Witaker of the Geological society in the parish of Cobham.	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4110	1554258	A WW2 defended area incorporating the 19th century fort of Shomemead. The defended area comprised cells of barbed wire entanglements around the old fort and wartime emplacements including coastal and emergency gun batteries and a number of pillboxes.	Low	None	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral	No change - setting influenced by historical group value of military remains south of the river. Physical settings have been impacted through previous modern development and therefore, not present anymore.	None	No change	Neutral
4138	413189	Early Medieval Sceatta	Negligible	None	No change - findspot, asset removed from location.	None	No change	Neutral	None	None	No change	Neutral
4167	OS mapping from 1896	Site of Post-Medieval well	Low	None	None	None required	None	Neutral	None required	None	None	Neutral
4209	Late 19th century OS maps	Site of former gardens associated with former buildings at the hamlet of Henhurst	Low	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4211	TQ 77 NW 1268	Ring ditch, saltern or bomb crater, Shorne Marshes	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4212	TQ 77 NW 1269	Ring ditch, saltern or bomb crater, Shorne Marshes	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4213	TQ 66 NW 50	Cropmark	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
4214	TQ 67 NE 12	Roman burials, Thames foreshore, by Higham Saltings	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
4218	TQ 67 SE 28	Roman pottery kiln (site of)	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4219	TQ 67 SE 29	Roman pottery kiln (site of)	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4220	TQ 67 SE 30	Roman kiln found AD 1861	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4221	TQ 67 SE 35	Romano-British occupation site	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
4222	TQ 67 SE 59	Pottery find	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4223	TQ 67 SE 60	Kiln wasters	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4224	TQ 67 SE 83	Ring ditch - possible round barrow, cropmark	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
4225	TQ 77 NW 137	Military causeway, Higham Saltings	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4226	TQ 67 SE 226	Jetty by Shomemead Fort	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4227	TQ 67 SE 227	Causeway (c.1870), by Shomemead Fort	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4228	TQ 77 NW 7	Possible site of Roman settlement (2nd century pottery and floors)	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
4229	TQ 77 NW 149	Higham Tudor Thames Defence	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
4230	TQ 77 SW 2	Late Bronze Age founders hoard,	Low	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
		Romano-British cremations, early medieval cemetery										
4231	TQ 77 SW 20	Poss Roman kiln site	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4233	TQ 67 SE 1192	Shornemead Fort Operation Overlord invasion hard, Shornemead	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4234	TQ 67 SE 1195	Shornemead Fort Second World War light anti-aircraft battery, Shorne	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4235	TQ 67 SE 1194	Shornemead Fort Second World War Battery Command Post and Minewatchers Post	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4236	TQ 67 SE 1152	Shornemead Fort Coast Artillery Searchlights, Shorne Marshes	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4237	TQ 67 SE 1199	Shornemead Fort Second World War pillbox	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4238	TQ 67 SE 1200	Shornemead Fort pillbox, Shorne Marshes	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4239	TQ 67 SE 1233	Second World War Operation Overlord concrete road, Shorne Marshes, Shorne, near Gravesend, Kent	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4240	MKE66694	Post Medieval copper alloy book fitting	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4241	MKE66748	Early Medieval silver finger ring	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4242	MKE66749	Post Medieval silver badge	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4243	MKE66889	Medieval silver coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4244	MKE66902	Bronze Age copper alloy spear	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4245	MKE66985	Post Medieval silver coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4246	MKE67029	Medieval copper alloy strap fitting	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4248	MKE67245	Medieval silver coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4249	MKE67250	Medieval silver coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4254	MKE67316	Neolithic flint flake	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4255	MKE67357	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4256	MKE67358	Iron Age copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4257	MKE67460	vessel	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4258	MKE67461	Roman mortar or plaster vessel	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4259	MKE67466	ceramic vessel	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4262	MKE67469	ceramic vessel	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4263	MKE67470	ceramic vessel	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4264	MKE67471	Roman pottery vessel containing a dog cremation	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4265	MKE67472	ceramic vessel	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4266	MKE67473	ceramic vessel	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4267	MKE67475	ceramic vessel	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4268	MKE67477	copper alloy rowel	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4269	MKE72179	Roman ceramic vessel	Low	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4270	MKE72180	Roman ceramic vessel	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4271	MKE79649	Roman copper alloy coin	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4273	MKE83223	Outfarm adjacent to Thames and Medway Canal	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4274	MKE83224	Outfarm south-west of Beckley Cottage	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4275	MKE83225	Sheepfold on Higham Marshes	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4276	MKE84169	Frog's Island	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4278	MKE84231	Outfarm north-east of Nash Street Farm	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4280	MKE84465	Old King's Farm	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4281	TQ 77 SW 90	Site of Uralite Halt	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4282	MKE88513	Outfarm south-south-west of Old King's Farm	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4283	TQ 67 SE 336	Iron Age enclosures, Queen's Farm	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
4284	TQ 67 SE 338	Medieval farmstead, Queen's Farm	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
4285	MKE95427	Post Medieval copper alloy button	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4286	MKE95444	Medieval copper alloy chape	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4287	MKE95445	Early Medieval copper alloy brooch	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4288	MKE95447	Medieval lead alloy bulla	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4289	MKE95449	Medieval copper alloy harness pendant	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4290	MKE95450	Medieval copper alloy harness pendant	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4291	MKE95451	Early Medieval copper alloy strap end	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4292	MKE95452	Medieval copper alloy strap end	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4294	TQ 67 SE 1052	Square concrete feature, by Shomemead Fort	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4295	TQ 67 SE 1053	Massive area of peat/organic clay on foreshore in front of Shomemead Fort	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
4296	TQ 67 SE 1054	Animal shoulder bone in peaty clay on foreshore, in front of Shomemead Fort	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4297	TQ 67 SE 1055	Small rounded wooden stakes in foreshore by Shomemead Fort	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4298	TQ 67 SE 1057	Roman pottery on foreshore by Shomemead Fort	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4299	TQ 67 SE 1058	Hard or base of an old sea wall, near Shomemead Fort	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4300	TQ 67 SE 1059	Roman pottery scatter on the foreshore by Shomemead Fort	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4301	TQ 67 SE 1061	Row of parallel wooden stakes in foreshore, Higham Saltings	Low	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4302	TQ 67 SE 1062	Roman pottery on foreshore, Higham Saltings	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4303	TQ 67 NE 1008	Eroding peaty outcrop on Thames, Higham Saltings	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
4304	TQ 67 NE 1010	Small Roman pottery scatter, Higham Saltings	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4305	TQ 67 NE 1011	Remains of pot-rim embedded in foreshore Higham Saltings	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4306	TQ 67 NE 1012	Peaty outcrop with brushwood, by Shornemead Lighthouse	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
4307	TQ 67 NE 1013	Possible fishtrap by Shornemead Lighthouse	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4308	TQ 67 NE 1014	Posts and pottery on foreshore, Higham Saltings	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4309	TQ 77 NW 1112	Upright squared posts in foreshore, Higham Saltings	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4310	TQ 77 NW 1113	Possible wooden pier/quay, Higham Saltings	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4311	TQ 77 NW 1114	Late Bronze Age sherd of pottery, Higham Saltings	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4312	TQ 77 NW 1115	Eroding peat with animal bone scatter, Higham Saltings	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
4313	TQ 67 NE 1000	Navigation Light, Shornemead, Shome	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4314	TQ 77 NW 1009	Mesolithic antler pick found	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4315	TQ 67 NE 1002	Higham Causeway	Low	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4316	TQ 67 SE 1007	Remains of ditch and bank, Shorne	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4317	TQ 67 SE 1008	'Box-shaped' cropmarks	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4318	TQ 67 SE 1009	Linear crop marks	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4319	TQ 67 SE 1011	Concrete hardstanding by Shomemead Fort	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4320	TQ 77 NW 1039	Possible Peat exposure, foreshore by Higham Saltings	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
4321	TQ 77 SW 1001	Drainage pattern in fields, Shorne Marshes	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
4322	TQ 67 NE 1003	Shomemead Lighthouse	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4323	TQ 77 NW 1032	Remains of enclosure, Higham Marshes	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4324	TQ 67 SE 1036	Beacon, Higham Saltings	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4329	TQ 66 NE 100	Lynchet, Cobham Park	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4330	TQ 77 SW 96	Three Palaeolithic handaxes from Lower Higham	Medium	None	None	None	No change	Neutral	None	None	No change	Neutral
4334	MKE110578	Medieval copper alloy purse	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4335	MKE110581	Early Medieval copper alloy bridle bit	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4336	MKE110585	Roman copper alloy brooch	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4337	MKE110586	Medieval copper alloy mount	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4338	MKE110592	Medieval copper alloy buckle	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4339	MKE110596	Roman ceramic vessel	Low	None	None	None	No change	Neutral	None	None	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4340	MKE110606	Medieval copper alloy buckle	Negligible	None	None	None	No change	Neutral	None	None	No change	Neutral
4341	MKE110607	Roman ceramic vessel	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4342	TQ 67 SE 1150	Shomemead Second World War Emergency Battery	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4412	Lower Thames Crossing Archaeological Trial Trenching	Curvilinear enclosure	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4343	TQ 67 SE 1010	Many circular part water filled holes	Low	None	None	None	No change	Neutral	None	None	No change	Neutral
4432	MKE17036	Bluebell Quarries, Boxley, Maidstone	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4433	MKE17552	Pilgrims Way Late Bronze Age/Iron Age-Roman period site	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4434	MKE17554	White Horse Stone, Late Bronze Age and Early Iron Age site, Aylesford	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4435	MKE17556	White Horse Stone, Pilgrims Way and Bronze Age/Iron Age activity west of Boarley Farm, Boxley	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4436	MKE17558	White Horse Stone, Pilgrims Way and Late Iron Age/Early Roman activity west of Boarley Farm, Boxley	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4437	MKE17559	White Horse Stone, Pilgrims Way and Medieval activity west of	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
		Boarley Farm,Boxley										
4441	MKE2458	Romano-British interments found 1871 in Aylesford	Medium	None	None- although the asset is within 100m of the Order Limits, the internments are assumed to have been removed from their location. Their former location is within existing woodland, which will be maintained.	None required	No change	Neutral	None	None required	No change	Neutral
4442	MKE2464	Neolithic and Bronze Age burials found at Warren Farm, Aylesford	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4443	MKE2466	Lower White Stone or Kentish Standard Stone, Aylesford	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4444	MKE2467	'U' Trackways	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4445	MKE2471	Neolithic axe found at Robin Hood Lane, Aylesford	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4446	MKE2472	Iron Age coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4447	MKE2473	Lead vessel 14th-15th century found in 1984, Boxley	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4448	MKE2477	Neolithic axe found in Aylesford	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4449	MKE2478	"Potin" coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4450	MKE2479	? Belgic silver coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4451	MKE2487	Neolithic and beaker sherds, leaf-shaped arrowhead, possible Bronze Age socketed axe, undated spurs and sword, Kits Coty	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
		house field, Aylesford										
4452	MKE2493	Roman coin found near Kits Coty House, Aylesford	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4453	MKE2513	Site of possible Roman temple	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4454	MKE2514	Site of a possible Bronze Age stone circle, Aylesford	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4455	MKE2515	Bronze Age axe (looped palstave), Robin Hood Lane, Walderslade	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4456	MKE2522	Romano-British coin found near Kits Coty House, Aylesford	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4457	MKE2527	Medieval (13th century) lead seal found at Lower Kits Coty, Aylesford	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4458	MKE2532	Curvilinear structures or cropmark, Aylesford	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4459	MKE2537	A curvilinear structure [cropmark], possibly Neolithic, Aylesford	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4460	MKE44479	Mesolithic burin at the White Horse Stone site	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4461	MKE44480	Early Neolithic post-built structure at the White Horse Stone site	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4462	MKE44482	Peterborough ware sherds at the White Horse Stone site	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4463	MKE44483	2 small late Neolithic post built	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
		structures at the Pilgrim's Way site										
4464	MKE44484	Late Neolithic pottery sherds at the White Horse Stone site	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4465	MKE44485	Middle Bronze Age post built structures, associated pits, and a ditch, at the Pilgrim's Way site	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4466	MKE44486	Pits containing pottery and cremated human remains at the White Horse Stone site and the Pilgrim's Way site	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4467	MKE44487	Middle Iron Age settlement at the White Horse Stone site	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4468	MKE44489	Late Iron Age / Roman ditches and trackway at the White Horse Stone and Pilgrim's Way site	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4470	MKE44493	Anglo-Saxon inhumation at the Pilgrim's Way site	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4471	MKE44495	Hollow-way at the Pilgrim's Way site	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4472	MKE44496	Medieval activity at the Pilgrim's Way site	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4473	MKE44497	Post-medieval bridleway at the White Horse Stone site	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4474	MKE70041	Medieval copper alloy buckle	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4476	MKE70181	Medieval copper alloy pin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4477	MKE70182	Medieval finger ring	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4478	MKE70331	Roman copper alloy brooch	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4479	MKE70373	Iron Age copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4484	MKE71126	Iron Age copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4485	MKE71152	Iron Age copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4486	MKE71153	Iron Age copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4487	MKE71154	Iron Age silver coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4499	MKE71206	Iron Age copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4500	MKE71216	Iron Age gold coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4501	MKE71315	Post Medieval copper alloy token	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4503	MKE71900	Iron Age copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4504	MKE72162	copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4505	MKE74802	Medieval copper alloy brooch	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4508	MKE75262	Roman copper alloy brooch	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4509	MKE75351	Medieval copper alloy pilgrim badge	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4511	MKE75845	Iron Age copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4512	MKE77419	Slit trenches, to the east of Westfield Wood	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4514	MKE77421	Sarsen stones at the north-eastern edge of Westfield Wood	Low	None	Minor change through temporary construction activity through noise, due to asset being located 30m west of Order Limits.	None	Minor	Slight adverse	None - rural woodland setting would be maintained.	None required	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4515	MKE77422	Circular depression, Westfield Wood	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4516	MKE77430	2 successive Roman metalled trackways	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4518	MKE78338	Late Bronze Age/Early Iron Age and Roman pottery, White Horse Stone	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4519	MKE78340	Neolithic struck and burnt flint scatter, White Horse Stone	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4523	MKE84718	Farmstead adjacent to Woodbine Villa (site of)	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4526	MKE84733	Outfarm north of Boarley Scrubs	Low	None	Negligible through visibility of construction activity.	None	Negligible	Neutral	None- rural setting maintained.	None required	No change	Neutral
4530	MKE89896	Crash site of Messerschmitt Bf109E-4	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4533	MKE97081	Medieval Copper alloy harness pendant	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4534	MKE99538	Possible megalithic tomb, Tunbury	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4535	MKE99619	'Tarrant' hut at Yelsted Lane, Maidstone	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4536	MKE99747	Blue Bell Hill Mill, Mill Lane, Blue Bell Hill	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4537	MWX20826	A palaeolithic handaxe, found near Kit's Coty, Aylesford	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4538	MKE110070	Iron Age harness fitting	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4539	MKE110135	Post Medieval copper alloy dress hook	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4544	MKE110179	Medieval lead weight	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4545	MKE110345	Post Medieval copper alloy dress fastener (dress)	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4546	MKE111078	Undated ditches and pit, near Yelstead Lane	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4547	MKE111080	Undated ditches, A2/M2 north of Runsell Grange	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4548	MKE114086	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4549	MKE114099	ceramic coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4550	MKE114105	hoard	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4551	MKE115880	Field system	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4556	MKE77415	Hollow way, Tyland Scrubs	Low	None - located outside of the Application Site.	Minor change through construction activity temporarily altering woodland setting. Potential association with North Down's Way (4536), which would be lost due to the removal of 4536 from the Order Limits. However, association currently unclear.	None	Minor	Slight adverse	None-setting within woodland would remain and no impact to the known mapped route of the asset outside the Order Limits.	None required	No change	Neutral
4557	MKE77416	Hollow way, Boxley Scrubs	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4559	MKE112564	Post Medieval lead token	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4560	MKE112600	hoard	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4565	MKE113283	Medieval lead trial piece	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4566	MKE113284	Medieval lead seal matrix	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4567	MKE113299	Iron Age silver coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4568	MKE113306	hoard	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4570	MKE114434	Probable palaeochannel seen in 1950s aerial photograph	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4571	MKE114435	Cropmark, runs against grain of field, possibly Iron Age	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4572	MKE114436	Two parallel linear cropmarks seen in aerial photograph of 1950	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4573	MKE114437	Late upper palaeolithic long blade found in 2003	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4574	MKE114440	The Cottage Second World War road block buoys, West Court Lane, Chalk	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4577	MKE115470	Second World War Type 23 Pillbox visible on a 1946 vertical AP. Still extant in the back garden of a house.	Low	None	The pillbox is located within the area of Gravesend Airfield (1459), for which it holds a functional and historic association. Gravesend Airfield would be removed in part due to construction compound CA3. However, the current landscape, including the introduction of the Riverview Park, which asset 4572. Consequently, any understanding of this association has been severed in the present day and therefore does not contribute to the significance of asset 4577.	None required	No change	Neutral	None	None required	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4578	MKE115649	Prehistoric struck flint from land south of Ebbsfleet Green, Swanscombe	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4582	MKE112561	Post Medieval copper alloy token	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4583	MKE112563	Post Medieval lead assemblage	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4584	MKE112566	Post Medieval silver coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4585	MKE112568	Post Medieval copper alloy finger ring	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4587	MKE116001	Roman pottery eroding from foreshore	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4628	MKE100035	Former St Mary's Church, Church Street, Burham	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4630	MKE2488	St. Stephen's Chapel or St Michael's Chapel, Tottington, Aylesford	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4631	MKE2489	Coffin stone, Tottington, Aylesford	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4632	MKE2490	Roman building foundations and various artefacts, Eccles	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4633	MKE2495	Burham Roman villa	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4634	MKE2497	Neolithic flint axe found at Burham	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4635	MKE2500	Roman cremation and pottery, Lees Chalk Pit, Burham	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4636	MKE2504	Site of Neolithic chambered tomb, Blue Bell Hill, Burham	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4637	MKE2533	Cropmark at Burham	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4638	MKE2534	Cropmark at Burham	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4639	MKE2538	A track or cropmark at Burham	Low	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4640	MKE36020	Former site of a barn 50m south-east of Little Culand Farmhouse	Low	None	Setting is influenced by location within Little Culand farm yard and does not extend to the Order Limits.	None required	No change	Neutral	None	None required	No change	Neutral
4641	MKE36667	Former site of Petts Farmhouse	Low	None	Setting is influenced by location adjacent to Pilgrims Way and the surrounding farm land, principally to the south. Impact to the setting would principally be from construction traffic along Pilgrims Way.	Good practice	Negligible- nothing of the former farmhouse remains and the site rebuilt in the modern period.	Neutral	None	None required	No change	Neutral
4642	MKE70300	Medieval copper alloy strap fitting	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4643	MKE70301	Post Medieval pewter cooking vessel	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4644	MKE70303	Medieval copper alloy buckle	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4645	MKE70304	Medieval silver coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4646	MKE70305	Post Medieval silver coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4647	MKE70306	Post Medieval copper alloy book fitting	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4648	MKE70307	Medieval copper alloy brooch	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4649	MKE70315	Roman lead figurine	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4650	MKE70590	Post Medieval copper alloy bell	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4651	MKE70591	Medieval copper alloy finger ring	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4652	MKE70592	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4653	MKE70593	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4654	MKE70594	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4655	MKE70595	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4656	MKE70596	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4657	MKE70597	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4658	MKE70598	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4659	MKE70599	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4660	MKE70600	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4661	MKE70604	Medieval silver coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4662	MKE70605	Roman copper alloy brooch	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4663	MKE70606	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4664	MKE70607	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4665	MKE70608	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4666	MKE70609	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4667	MKE70610	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4668	MKE70611	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4669	MKE70612	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4670	MKE70613	Medieval copper alloy buckle	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4671	MKE70614	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4672	MKE70615	Medieval copper alloy harness	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4673	MKE70616	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4674	MKE71115	Iron Age gold coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4675	MKE71768	Post Medieval copper alloy strap fitting	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4676	MKE71769	Early Medieval copper alloy stirrup	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4677	MKE71770	Medieval copper alloy vessel	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4678	MKE71771	Medieval copper alloy mount	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4679	MKE71772	Roman copper alloy brooch	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4680	MKE71773	Roman copper alloy brooch	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4681	MKE71774	Medieval copper alloy strap end	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4682	MKE71775	Medieval copper alloy strap end	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4683	MKE71776	Roman copper alloy brooch	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4684	MKE71777	Roman copper alloy finger ring	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4685	MKE71778	Medieval copper alloy finger ring	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4686	MKE71779	Post Medieval copper alloy belt	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4687	MKE71780	Medieval lead seal matrix	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4688	MKE71781	Medieval lead token	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4689	MKE75231	Medieval silver coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4690	MKE75232	Post Medieval silver coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4691	MKE75233	Post Medieval copper alloy jetton	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4692	MKE75234	Medieval copper alloy buckle	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4693	MKE75350	Medieval silver coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4694	MKE75352	Medieval copper alloy buckle	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4695	MKE75375	Post Medieval silver coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4696	MKE75376	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4697	MKE75377	Medieval copper alloy strap fitting	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4698	MKE75378	Medieval lead alloy stylus	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4699	MKE75379	shell or coral pendant	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4700	MKE75400	Medieval copper alloy ewer	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4701	MKE75401	Medieval copper alloy thimble	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4702	MKE75402	Post Medieval lead lid	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4703	MKE75403	Medieval copper alloy strap fitting	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4704	MKE75406	Medieval pewter book fitting	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4705	MKE75432	Medieval copper alloy buckle	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4706	MKE75433	Roman lead weight	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4707	MKE75436	Medieval copper alloy buckle	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4708	MKE75437	Medieval silver coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4709	MKE75438	Bronze Age copper alloy rapier	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4710	MKE75449	Post Medieval silver coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4711	MKE75459	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4712	MKE75460	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4713	MKE75461	Medieval copper alloy jetton	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4714	MKE75462	Post Medieval silver coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4715	MKE75463	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4716	MKE75464	Medieval copper alloy jetton	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4717	MKE75465	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4718	MKE75466	Medieval lead weight	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4719	MKE75467	Iron Age copper alloy slag	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4720	MKE75468	Post Medieval copper alloy spoon	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4721	MKE75469	Post Medieval copper alloy buckle	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4722	MKE75517	Post Medieval copper alloy crotal	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4723	MKE75518	Medieval copper alloy buckle	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4724	MKE75519	Medieval silver coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4725	MKE75520	Medieval silver coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4726	MKE75521	Iron Age copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4727	MKE75522	Roman lead alloy loomweight	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4728	MKE75523	Post Medieval copper alloy crotal	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4729	MKE75564	Medieval copper alloy buckle	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4730	MKE75565	Medieval silver coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4731	MKE75566	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4732	MKE75567	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4733	MKE75568	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4734	MKE75569	Roman copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4735	MKE75570	Medieval lead seal matrix	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4736	MKE75584	Modern copper alloy brooch	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4737	MKE75787	Medieval lead bulla	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4738	MKE75788	Medieval copper alloy sword	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4739	MKE75789	Post Medieval lead figurine	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4740	MKE75790	Unknown copper alloy ring	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4746	MKE84637	Petts Farm	Low	None-completely demolished	Setting is influenced by location adjacent to Pilgrims Way and the surrounding farm land, principally to the south. Impact to the setting would principally be from construction traffic along Pilgrims Way.	None- site has been redeveloped.	No change	Neutral	None	None required	No change	Neutral
4747	MKE84638	Farmstead south east of Fleur de Lis public house	Low	None	Setting is influenced by location within farmland which contributes in part to significance but does not extend to the Order Limits.	None required	No change	Neutral	None	None required	No change	Neutral
4748	MKE84639	Outfarm north of Great Culand (demolished)	Low	None	Setting is influenced by its location within open farmland and wider rural character. This setting will be maintained with no construction traffic passing the asset.	None required	No change	Neutral	None	None required	No change	Neutral

Project ID	Source reference	Name	Value	Construction physical impact	Construction setting impact	Construction mitigation	Construction impact	Construction effect	Operation setting impact	Operation mitigation	Operation impact	Operation effect
4751	MKE89919	Crash site of Messerschmitt Bf109E-4	Low	None	Setting influenced by location it crashed in open land but does not extend to the Order Limits.	None required	No change	Neutral	None	None required	No change	Neutral
4752	MKE97152	Roman Copper alloy coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4753	MKE97170	Copper alloy mount	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4754	MKE97546	Prehistoric Ring ditch	Medium	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4755	MWX20828	A Palaeolithic Handaxe found at Hill Top Farm, Burham	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4756	MKE110174	Post Medieval silver coin	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4757	MKE110356	Medieval copper alloy buckle	Negligible	None	None	None required	No change	Neutral	None	None required	No change	Neutral
4758	MKE90893	20th Century Tramway tunnel Burham	Low	None	The tunnel was intended to reach the Great Culand chalk pit, which is formerly located within the Order Limits of the western BlueBell Hill Site. However, the tunnel and associated tramway never made it that far, resulting in no physical impact. However, the setting of the asset extends to the Order Limits due to the associated intended route of travel for the asset, although this does not contribute a large part to the asset's significance which principal comes from its evidential value through its architectural methods.	None	No change	No change-construction does not alter the understanding of the proposed course of travel through the landscape.	None	None required	No change	Neutral

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