

# NORTHERN OUTFALL SEWER AND ASSOCIATED STRUCTURES

Greenway Bridge over the River Lea
Greenway Bridge over Marshgate Lane
and Pudding Mill Lane
Pedestrian Subway
Abbey Lane Pedestrian Bridge
Pedestrian Bridge Spanning the Channelsea River
Viaduct of the Northern Outfall Sewer
London E15

London Boroughs of Newham and Tower Hamlets

A standing building survey report

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Site Code: OL-02507, OL-04507, OL-04607, OL-04707, OL-02207, OL-02307 and OL-04107

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# **SUMMARY** (non technical)

The Museum of London Archaeology Service and Pre-Construct Archaeology (MoLAS-PCA) were commissioned by the Olympic Delivery Authority to analyse and record the Northern Outfall Sewer and its functionally and structurally associated structures. The sewer and structures were to be removed or altered in order to redevelop the site, and the archaeological investigation and a subsequent report were required as a condition of planning consent for the redevelopment. The investigation of the structures took place periodically from March through to November 2007.

The section of Northern Outfall Sewer which falls within the Olympic development site includes with the Greenway Bridge over the River Lea, the Greenway Bridge over Marshgate Lane and Pudding Mill Lane, the Pedestrian Subway, Abbey Lane Pedestrian Bridge, the Pedestrian Bridge spanning the Channelsea River and the Pedestrian Viaduct of the Outfall Sewer. These elements were recorded, researched and analysed.

The oldest structural remains date to the initial outfall sewer construction period of the late 1850s and early 1860s. The construction of the sewer was triggered by a series of public health crises in London, culminating in the 'Big Stink of London' in the late 1850s, and occurred as a direct result of the formation of the Metropolitan Board of Works. Their head engineer, Joseph Bazalgette, oversaw the construction of the sewer. The rising population of the area served by the sewer over the following decades necessitated the 1904-05 expansion of the section from Old Ford to Barking by two extra sewer pipes on the northern side. The following years saw little in the way of major alteration, being a period of maintenance and repair rather than large-scale works. The years 1940-41 saw the sewer become a casualty of German bombs, but despite numerous hits little real damage was done and the structure was repaired. The post-war period saw very little change for the sewer until the late 1980s, when efforts to construct and maintain green areas in and around London resulted in the renovation of the footpath on the sewer embankment to create the Greenway, a footpath and cycle route.

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# 1 Introduction

# 1.1 Site background

In the Olympic Park area ("the site"), the Northern Outfall Sewer and structures integral to it was recorded. The Northern Outfall Sewer is located within the Lower Lea Valley: in the southern area of the valley crossing a series of rivers, canalised and culverted channels, and railway lines. It is now also commonly referred to as The Greenway (see Figures 1–8). The areas surveyed were located entirely within the London Borough of Newham.

Within the Olympic Park, the Northern Outfall Sewer is aligned north-west (from OS National Grid Reference 53710 18390) to south-east (to National Grid Reference 53920 18310).

The areas of the Northern Outfall Sewer that were recorded were located in Planning Delivery Zones 3, 8, 12 and 13 of the Olympic and Paralympic Games and Legacy Facilities planning applications.

A number of desk top *Archaeological and Built Heritage impact assessments* were previously prepared by MoLAS-PCA, which cover the whole area of the site, namely Planning Delivery Zones 3, 8, 12 and 13 (MoLAS-PCA, 2007a, 2007b, 2007c, 2007d).

These documents should be referred to for information on the natural geology, archaeological and historical background of the site, and the initial assessment of its archaeological potential.

The recorded structures are as follows: the Northern Outfall Sewer as a single entity, and also individual features along its length::

- The Northern Outfall Sewer, site code OL-02507 (Figure 2). Within the project this was referred to as BH35.
- The Greenway Bridge over the River Lea is in the western corner of PDZ3. National Grid Reference 53730 18380 site code OL-02207 (Figure 3). Within the project this was referred to as BH77.
- The Greenway Bridge over Marshgate Lane and Pudding Mill Lane is located towards the eastern corner of PDZ3. National Grid Reference 53770 18370 site code OL-02307 (Figure 4). Within the project this was referred to as BH76.
- The Pedestrian Subway is located underneath the sewer near the north-west edge of PDZ8. National Grid Reference 53800 18360 site code OL-04107 (Figure 5). Within the project this was referred to as BH87.
- The Abbey Lane Pedestrian Bridge is in the middle of PDZ12. National Grid Reference 53860 18330 site code OL-04507 (Figure 6). Within the project this was referred to as BH9.
- The Pedestrian Bridge Spanning the Channelsea River is located at the south-east end of PDZ12. National Grid Reference 53880 18320 site code OL-04607 (Figure 7). Within the project this was referred to as BH110.
- The Viaduct of the Outfall Sewer spans the railway lines and Crows Road in the northern edge of PDZ13. National Grid Reference 53910 18310 site code OL-04707 (Figure 8). Within the project this was referred to as BH111.

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Note: within the limitations imposed by dealing with historical material and maps, the information in this document is, to the best knowledge of the author and MoLAS-PCA, correct at the time of writing. Further archaeological investigation, or more information about the nature of the present buildings may require changes to all or parts of the document.

#### 1.2 Planning and legislative framework

The legislative and planning framework in which the archaeological exercise took place was summarised in the desktop *Archaeological and Built Heritage impact assessments*, previously prepared by MoLAS-PCA, which cover the whole area of the site (MoLAS-PCA, 2007a, 2007b, 2007c, 2007d) and the *Method Statements* (MoLAS-PCA 2007e, 2007f, 2007g, 2007h, 2007i, 2007j, 2007k), which formed the project design for the survey.

These documents should be referred to for information on the natural geology, archaeological and historical background of the site, and the initial assessment of its archaeological potential.

The structure is not a Scheduled Monument, nor is any part of it listed as a building of special architectural or historic interest. The site is are located within an Archaeological Priority Area as defined by the London Borough of Newham.

## 1.3 Planning background

# 1.3.1 Planning Delivery Zones 3 and 8

In accordance with local and national policies, archaeological evaluation and built heritage survey of the areas of PDZ 3 and 8 to be impacted upon in advance of its redevelopment was required as part of the planning process. Evaluation is intended to define the archaeological potential and significance of any deposits present on the site, so that the local authority can formulate responses appropriate to any identified archaeological resource.

The recording of the subject site(s) in PDZ3 and 8 will be undertaken in support of a condition required by English Heritage and attached to the consent granted by the Olympic Delivery Authority Planning Decisions Team with respect to Olympic, Paralympic and Legacy Transformation Planning Application Reference 07/90010/OUMODA and Site Preparation Planning Application Reference 07/90011/FUMODA. Condition SP.0.39 of planning permission 07/90011/FUMODA states:

Demolition of any historic building specified for recording in the submitted Built Heritage Written Schemes of Investigation shall not take place until the recording set out in the relevant Written Scheme of Investigation has been undertaken and written confirmation received from English Heritage that the recording is satisfactory and that the building can be demolished. A report detailing the recording shall be submitted to the Local Planning Authority within six months of the written confirmation received from English Heritage.

Reason: To ensure that buildings with an identified historic interest are recorded.

## 1.3.2 Planning Delivery Zone 12

In accordance with local and national policies, archaeological evaluation and built heritage survey of the areas of PDZ12 to be impacted upon in advance of its redevelopment was

required as part of the planning process. Evaluation is intended to define the archaeological potential and significance of any deposits present on the site, so that the local authority can formulate responses appropriate to any identified archaeological resource.

The recording of the subject site(s) in PDZ12 will be undertaken in support of a condition required by English Heritage and attached to the consent granted by the Olympic Delivery Authority Planning Decisions Team with respect to Olympic, Paralympic and Legacy Transformation Planning Application Reference Olympic Facilities and Legacy Transformation Application 07/90010/OUMODA. Condition OD.12.2 of planning permission 07/90010/OUMODA states:

Demolition of any historic building specified for recording in the submitted Built Heritage Written Schemes of Investigation shall not take place until the recording set out in the relevant Written Scheme of Investigation has been undertaken and written confirmation received from English Heritage that the recording is satisfactory and that the building can be demolished. A report detailing the recording shall be submitted to the Local Planning Authority within six months of the written confirmation received from English Heritage.

Reason: To ensure that archaeological remains are properly investigated and recorded

## 1.3.3 Planning Delivery Zone 13

In accordance with local and national policies, archaeological evaluation and built heritage survey of the areas of PDZ13 to be impacted upon in advance of its redevelopment was required as part of the planning process. Evaluation is intended to define the archaeological potential and significance of any deposits present on the site, so that the local authority can formulate responses appropriate to any identified archaeological resource.

The recording of the subject site(s) in PDZ13 will be undertaken in support of a condition required by English Heritage and attached to the consent granted by the Olympic Delivery Authority Planning Decisions Team with respect to Olympic, Paralympic and Legacy Transformation Planning Application Reference Olympic Facilities and Legacy Transformation Application 07/90010/OUMODA. Condition OD.13.2 of planning permission 07/90010/OUMODA states:

Demolition of any historic building specified for recording in the submitted Built Heritage Written Schemes of Investigation shall not take place until the recording set out in the relevant Written Scheme of Investigation has been undertaken and written confirmation received from English Heritage that the recording is satisfactory and that the building can be demolished. A report detailing the recording shall be submitted to the Local Planning Authority within six months of the written confirmation received from English Heritage.

Reason: To ensure that archaeological remains are properly investigated and recorded

### 1.4 Origin and scope of this report

The archaeological work of analysis and recording, and the production of this report, were commissioned from the Museum of London Archaeology Service and Pre-Construct Archaeology (MoLAS-PCA) by the Olympic Delivery Authority. The work was carried out in accordance with the *Method Statements* (MoLAS-PCA, 2007e, 2007f, 2007g, 2007h, 2007i, 2007j, 2007k).

The report has been prepared within the terms of the relevant standards specified by the Institute of Field Archaeologists (IFA 2001) and corresponds approximately to the guidance provided in *Recording Historic Buildings: a guide to good reporting practice* (English

Heritage 2006); that is, a photographic survey for The Northern Outfall Sewer, Pedestrian Viaduct of Outfall Sewer, Pedestrian Subway, Abbey Lane Pedestrian Bridge, Pedestrian Bridge Spanning the Channelsea River; Level 1 survey for the Greenway Bridge over Marshgate Lane and Pudding Mill Lane; and Level 2 survey for the Greenway Bridge over the River Lea.

This report presents the results of an analytical survey carried out on the site in 2007, combined with the available results of documentary research.

#### 1.5 Research aims and method of work

The research aims of this archaeological work were defined in the *Written Schemes of Investigation* (MoLAS-PCA, 2007e, 2007f, 2007g, 2007h, 2007i, 2007j, 2007k) in conformity with applicable planning policies and English Heritage guidelines (Archaeological Guidance Paper No. 3, revised June 1998).

The overall aim of the programme of work was to secure 'preservation by record' of those aspects of the structures that were of architectural, archaeological and historical interest.

The Northern Outfall Sewer and associated structures were recorded using a combination of photographic survey, detailed written descriptions and manual drawings, as also outlined in the specifications set out in *Understanding Historic Buildings: A guide to good recording practice* (English Heritage, 2006). The report has been prepared within the terms of the relevant standards specified by the Institute of Field Archaeologists (IFA 2001).

The scope of the work as defined in the *Written Schemes of Investigation* (MoLAS-PCA, 2007e, 2007f, 2007g, 2007h, 2007i, 2007j, 2007k) was as follows:

## Photographic survey

'The structure will be viewed, described and photographed. A photographic survey differs from other surveys in that it provides a very full visual record, accompanied by a brief written account, but without an analytical or drawn survey at a comparable level of detail. Drawings in the form of sketches may be undertaken if required. The structures' type/purpose, the materials used in their construction and their possible dates of construction will be summarised'.

#### Level 1

'The structure will be viewed, described and photographed. Drawings in the form of sketches may be undertaken if required. The structure's type/purpose, the materials used in its construction and its possible date of construction will be summarised'.

#### Level 2:

'The exterior and interior of the structure will be viewed, described and photographed. Sketch plans of the interior and elevations of the exterior will be undertaken. A brief written description will be undertaken, and a report presenting conclusions regarding the development and use of the structure will be produced'.

The investigation satisfied the research aims, and it was determined that it would not be necessary to investigate the structures further during demolition.

# 1.6 Organisation of this report and conventions used

Section 2 outlines the geology, archaeology and history of the area.

Sections 3 covers the development and function of the structures.

Section 4 outlines the development and function of the recorded structures incorporating conclusions (Section 4.3), and is followed by a discussion of the potential (Section 5).

A series of appendices follow:

- Appendix 1 contains the NMR OASIS archaeological report forms
- Appendix 2 is a glossary
- Appendix 3 lists the drawings
- Appendix 4 lists of photographs

To aid navigation around the document, all illustrations are included sequentially in separate appendices. Appendix 5 is the plates and Appendix 6 is the figures.

All dimensions are given in metres or millimetres and in feet and inches where appropriate. Heights are given where appropriate in metres above Ordnance Datum (mean sea level), abbreviated 'm OD'.

All dimensions are given in metres or millimetres, except possibly for certain brick and timber sizes, and heights are given where appropriate in metres above Ordnance Datum (mean sea level), abbreviated 'm OD'. In the text context numbers are in square brackets, thus: [10].

	-
ARP	Air Raid Precautions
CAB	Cabinet [Files]
EH	English Heritage
EWO	Essential Works Order
GLC	Greater London Council
HAA	Heavy Anti-Aircraft
HE	High Explosive
НО	Home Office [Files]
HQ	Headquarters
ICEN	Incendiary Bombs
LCC	London County Council
LPAC	London Planning Advisory Committee
MGB	Metropolitan Green Belt
MOL	Metropolitan Open Land
MoLAS	Museum of London Archaeology Service
MT	Mechanical Transport
OD	Ordnance Datum (mean sea level at Newlyn, Cornwall)
OS	Ordnance Survey
PCA	Pre-Construct Archaeology
UXO	Unexploded Ordnance
VP	Vulnerable Point
WO	War Office
WWII	World War II

*Table 1* Abbreviations used in this report

# 2 Topographical and historical background

Detailed descriptions of the geology, archaeology and history of the site was outlined in the earlier Archaeological and Built Heritage assessments (MoLAS-PCA, 2007a, 2007b, 2007c, 2007d). A brief, contextualising, summary is provided below.

#### 2.1 Geology and natural topography

The Northern Outfall Sewer is located within Planning Delivery Zones three, eight, twelve and thirteen on the Olympic site. In this section the topography of each zone will be mentioned.

# 2.1.1 Planning Delivery Zone Three

Planning Delivery Zone Three (PDZ3) is located on the western side of the floodplain (valley bottom) of the Lea Valley, between the River Lea and the City Mill River, which form the western and eastern boundaries of the site respectively.

Modern ground level across the site lies at around 4m to 6m OD. The edge of the valley floor lies c 200m to the west and c 1.1km to the east of the site, where the ground rises up the valley sides onto the river terrace.

The British Geological Survey (Sheet 256) shows that PDZ3 lies on alluvium, which represents a range of different wetland and dry land environments existing on the valley floor ('floodplain') of the Lea from the Mesolithic period onwards. The alluvium overlies gravels and associated deposits of Pleistocene (Palaeolithic) date. The higher ground of the gravel terrace, which forms the western side of the valley, lies immediately west of the site, on the opposite side of the River Lea.

## 2.1.2 Planning Delivery Zone Eight

Planning Delivery Zone Eight (PDZ8) is located roughly in the middle of the valley floor of the River Lea, c. 3km to the north of its confluence with the River Thames. The zone covers the south-eastern part of a grid-like network of river channels known as the Back Rivers, which are bounded to the south-west by the River Lea, and to the north-east by the canalised Waterworks River. The Bow Back River also flows through the site, the south bank of which forms the southern boundary. The City Mill River crosses the central area of the zone. The modern topography and natural drainage of the zone has been extensively modified over time. It currently bears little resemblance to the natural landscape present in both historic and prehistoric times. Modern ground rising has masked the natural land surface by several metres of 'made ground'. Similarly, very little remains in the modern landscape of the natural course of the Lea, which today flows through a series of mostly man-made canalised and culverted channels, such as those bounding and crossing the site itself.

In addition, now infilled or buried watercourses flowed across the site. The Pudding Mill River, now culverted, formerly flowed across the site alongside Pudding Mill Lane, and other historic channels, now backfilled, also formerly crossed parts of the site

Modern ground level across the site lies between 4m and 6m OD. The edge of the valley floor, where the ground rises up the valley side onto the river terrace, roughly follows the

south-west boundary of the site. The eastern valley side lies c.1km to the east of the eastern boundary of the site and is less pronounced than the western side.

# 2.1.3 Planning Delivery Zone Twelve

Planning Delivery Zone Twelve (PDZ12) is located in the centre of the valley floor of the River Lea, between the Waterworks River/Three Mills Wall River and the Channelsea River, c. 3km north of the Lea's confluence with the River Thames. The site lies just southeast of the grid–like network of river channels known as the Back Rivers. The southern spur of the zone follows the Northern Outfall Sewer to Canning Road, crossing the Channelsea.

Modern ground level at the north-west corner of the site, at the junction between Livingstone Street and the High Street is 6.9m OD, and there is a steady decline to the south-east, with the ground level at the junction of Livingstone Street and Union Street, towards the centre of the site, being 3.4m OD. The level of Abbey Road adjacent to the Outfall Sewer (or Greenway) is 2.3m OD, while at the extreme south-east of the zone ground level lies at 6.14m OD. The surface of the Northern Outfall Sewer contained within the south of the zone and forming the zone's southern spur lies at c 9m OD.

The British Geological Survey (Sheet 256) shows the site lying on alluvium underlain by the Lea Valley Gravels, deposited following the scouring—out of the valley floor during the Palaeolithic period (the Pleistocene). Tertiary bedrock, which in this area is variably London Clay and Woolwich and Reading Beds, underlies the gravels. The bedrock predates the period of human evolution and thus its surface acts as the bottom line for deposits of archaeological interest.

### 2.1.4 Planning Delivery Zone Thirteen

Planning Delivery Zone Thirteen (PDZ13) is located on the eastern side of the Lea valley floor (floodplain), a short distance east of the Channelsea River. The Channelsea River is tidal for some distance upstream of the site. The eastern valley side is barely perceptible in this area. In part this is because the Northern Outfall Sewer embankment obscures it, but it is also the result of its very gradual slope, with only slightly higher ground some 700m to the north-east.

The Northern Outfall Sewer forms the northern boundary of the site and rises to c 9m OD, with modern ground level in the north—west corner of the site at 9.88m OD. Elsewhere on the site ground level varies between about 2m and 6m OD. On the eastern side of the Canning Road ground level is 6.14m OD and in the southern area it lies around 2–3m OD.

The modern topography and drainage of the area has been much modified by man and bears little resemblance to the landscape of the site in historic and prehistoric times. Modern ground raising has masked the natural land surface by several metres of 'made ground' (see section 5.1). Similarly, very little remains in the modern landscape of the natural course of the Lea and its tributaries, which today flow through a series of tidal creeks and mostly man—made canalised and culverted channels, such as that of the Channelsea River.

The British Geological Survey Sheet (256) shows that the site lies on alluvium, with the Kempton Park gravels outcropping roughly 20m to the east and the Taplow gravels 700m to the north east, where the ground level rises slightly.

The alluvium represents a range of different wetland and dry land environments existing on the valley floor ('floodplain') of the Lea from the Mesolithic period onwards. Although little archaeological work has previously been undertaken in the local area, excavation in the valley of the Thames and its tributaries suggests that archaeological remains of the prehistoric and earlier historic period are likely to lie within the alluvium. The alluvium is underlain by the Lea Valley Gravels, deposited following the scouring—out of the modern floodplain during the Palaeolithic period (the Pleistocene). The gravels are the most recent in a series of Pleistocene river terrace deposits, which today form an irregular flight of steps in the valley side. The Kempton Park Gravels and older Taplow Gravels form the lowest of these river terraces, at the edge of the valley.

# 2.2 History of the site

The archaeological building recording was aimed at recording the Northern Outfall Sewer (OL-02507) and integral structures, in the context of their original function and their subsequent alteration:

- the Greenway Bridge over the River Lea (OL-02207)
- the Greenway Bridge over Marshgate Lane and Pudding Mill Lane (OL-02307)
- the Pedestrian Subway (OL-04107)
- Abbey Lane Pedestrian Bridge (OL-04507)
- the Pedestrian Bridge Spanning the Channelsea River (OL-04607)
- the Pedestrian Viaduct of the Outfall Sewer (OL-04707) -

The following history outlines this context.

# 2.2.1 Summary chronology

**Event** 

Date

Date	Event
1388	Act passed which makes it illegal to 'corrupt or pollute ditches, rivers, water and the air of London'
1477	Act passed prohibiting the construction of privies over the river Walbrook
1531	Bill of Sewers passed, representing the first attempt to regulate London's sewer system
1596	Sir John Harington installs a water-closet at his own house and another at the house of his god-mother Queen Elizabeth I
1775	Alexander Cummings takes out a patent on an improved version of John Harrington's water-closet
1778	Joseph Bramah registers a patent for an improvement to the water closet - the company goes on to produce the cabinets until 1890
1783	Joseph Bazalgette born
1829	James Simpson introduces the process of basic water filtration, which involves the water filtering through sand beds before being piped to wells  The Metropolitan Police is established, and from this date onwards London is referred to as a metropolis with defined boundaries
1831-2	First cholera epidemic: 6,536 die
1833	Last salmon caught in the Thames
1842	Publication of Edwin Chadwick's Report on the Sanitary Conditions of the Labouring Population of Great Britain
1843	Introduction of a Bill 'for better regulating the Buildings of the Metropolitan Districts, and to provide for the drainage thereof'
1844	Metropolitan Buildings Act introduced
1846	The Nuisances Removal and Diseases Prevention Act, commonly known as the Cholera Bill, is passed

- South American Guano becomes available, effectively signalling the end of the human waste market.
  - A Royal Commission is established to 'Inquire whether any, and what special means might be requisite for the health of the Metropolis'
- The first Metropolitan Sewers Commission is established; connection of house drains and cesspools to sewers is required for the first time
- 1848-9 Second cholera epidemic: 14,137 die in London John Snow publishes 'On the Mode of Communication of Cholera', arguing that cholera is water-borne
- 1849 1st January: the Second Royal Commission takes office and Bazalgette is made Assistant Surveyor
  8th October: the Third Royal Commission takes office
- June: the Third Commission resigned. Frank Forster, head engineer, dies from 'harassing fatigues and anxieties of official duties'; Bazalgette is appointed his successor
  - July-October: the Fourth Commission holds office. The fifth commission follows later in the year and holds office for a considerable time
- 1853-4 Third cholera epidemic: 10,738 die in London alone Committee for Scientific Enquiry rejects Snow's theory that cholera is water-borne
- Faraday writes to The Times about the condition of the Thames
  The Metropolis Management Act creates the Metropolitan Board of Works

The Sixth Commission takes office on the 22nd of November

- The Metropolitan Board of Works takes office from the 1st of January, with more powers than any of its predecessors; it appoints Bazalgette as Chief Engineer in January; Bazalgette submits his plan in June and a protracted dispute with Sir Benjamin Hall follows; the Board invites entrepreneurs to propose schemes for the utilisation of Metropolitan sewage
- In February Lord John Manners replaces Sir Benjamin Hall as First Commissioner
  July: The Great Stink hits
  Disraeli's Metropolitan Management Amendment Act allows Bazalgette to begin
  - work; Bazalgette also proposes comprehensive programme of street improvements.
- Work begins on the sewer system; Bazalgette specifies Portland Cement and instigates an extremely strict control and check system
- 1861 Thomas Crapper opens a competitive business in flushing privies
- The Society of Medical Officers condemns the Board's proposal for the Western Drainage, which entails a reservoir at Fulham Fields taking sewage from an area measuring approximately 21 square miles; there, sewage would be deodorised by the addition of percholride of iron before being discharged into the Thames on the north side of Chelsea Bridge
- The Board alters its plans for the Western Drainage after receiving a deputation from the Society of Medical Officers
- 1865 Crossness pumping station opened by Prince of Wales; Southern Drainage in operation
- Fourth cholera epidemic ravages East End of London, which is not yet connected to Bazalgette's sewer system; the theory that cholera is water-borne begins to be more accepted as a result of the epidemic
- 1868 Abbey Mills pumping station opens
- Native Guano Company starts to process manure at Crossness

- Native Guano Company's process pronounced a failure
- The pleasure steamer 'Princess Alice' sinks in the Thames near the Board's sewage outfalls
- 1891 15th of March: death of Sir Joseph Bazalgette
- Hamburg ravaged by cholera; London escapes due to Bazalgette's system
- 1902 Metropolis Water Act passed
- 1903 Creation of Metropolitan Water Board
- 1904-05 Capacity of Northern Outfall Sewer expanded by addition of new pipes
- 1932-4 Improvement to Stratford Back Rivers impacts on some of the sewer structures
- 1940-41 Northern Outfall Sewer hit numerous time during the Blitz
- 1990s Construction of the Greenway

Table 2 Chronology of events affecting sewage matters and the Northern Outfall Sewer

# 2.2.2 Background

'Throughout human history, the number one cause of death has been contamination of water supplies. During the 1830s the infant mortality rate in British towns was close to fifty pre cent; that is, of all of the babies who were born, only half reached their fifth birthdays. The unlucky ones died of diarrhoea, dysentery, typhoid and the newly imported and horrifying disease cholera—they died because sewage was not separated from the drinking water, so that one person infected with cholera could easily start an epidemic. This still is a major cause of death in some parts of the developing world, but in England we no longer have a problem. Why? Because of the sewers, [which were] built by Joseph Bazalgette [in spite of] much political and other resistance' (Hart-Davis, foreword in Halliday, 2001).

London's sewage disposal problems began early in its history. In 1189 the first mayor of London, Henry Fitzalwyn, in an early attempt at building regulations, proclaimed that the 'necessary chamber [cesspool] should be at least  $2\frac{1}{2}$  ft from the neighbouring building if it was of stone and at least  $3\frac{1}{2}$  ft if made from other materials' (Halliday 2001, 30).

In 1290 the White Friars near Fleet Street complained, saying that the stench from the polluted River Fleet was affecting their health and preventing them from carrying out religious duties (Clayton 2000, 49). Edward III (1327–77), by ordinance, ordered the city to pay for twelve carts to remove sewage and refuse and he also ordered householders on the banks of the Walbrook to keep rakes with which to intercept refuse which had found its way into the stream. There is further evidence that by the mid-14th century, pollution of the streams (and thus the Thames) had become a serious problem: in 1357 King Edward addressed the mayor and sheriffs of the city in the following terms:

'Whereas now, when passing along the water of Thames, we have beheld dung and filth accumulated in diverse places in the said City upon the bank of the river aforesaid and have also perceived the fumes and other abominable stenches arriving there from ...[we] do command you that you cause as well the banks of the said river, as the streets and lanes of the same city, and the suburbs thereof, to be cleaned of dung and other filth without delay and that the same when cleaned to be so kept' (Halliday, 2001, 30).

During Richard II's reign (1377-99) a statute was issued, stating that 'None shall cast any garbage or dung or filth into ditches, waters or other places within or near any city or town on pain of punishment by the Lord Chancellor at his discretion' (Clayton 2000, 49).

In 1382, a William Sprot complained to the Assizes that his neighbours, William and Adam Mere, had let their cloaca overflow his wall. The very next year an Act ordered those with latrines over the Walbrook to pay the Lord Chamberlain two shillings a year for cleaning it, and another Act in 1388 made it illegal to 'corrupt or pollute ditches, rivers, water and the

air of London'. In 1477 an Act prohibited the construction of further privies over the Walbrook.

The Bill of Sewers in 1531 was the first major attempt to regulate London's sewers in a systematic manner. The Bill specified the qualifications of commissioners, assigned wages to them and gave them authority to survey walls, streams ditches, gutters, sewers, bridges, dams, weirs, and other impediments to watercourses; to enquire into annoyances; to fine offenders; to appoint officers and to enforce their orders. It established eight commissions to regulate London's system of sewers: The City, Westminster, Holborn and Finsbury; Greenwich, St Katherine's, Poplar and Blackwall, and Surrey and Kent. The Bill was followed by a number of local acts, which although they amended or extended the powers of the original Bill were not uniform in the authority they conveyed.

The inadequacy of the systems which were constructed following the Bill of Sewers is evident from the anxiety that continued to plague authorities. Letters from Burleigh and Walsingham late in Elizabeth's I's reign directed the Lord Mayor to clean up the City as a precaution against plague. A letter to the Lord Mayor from the Lords of the Council during Charles I's reign made known the king's wishes plainly:

'The king hath noticed that the ways in and about the City and liberties were very noisome and troublesome for passing, in consequences of breaches of the pavements and excessive quantities of filth lying in the streets. They require him, by the king's express command, to take effectual steps for the complete repair of the pavements and the removal of all filth, the fruits of which His majesty expects to see on his return from Portsmouth.' (Halliday 2001, 33)

The letter was dated 20<sup>th</sup> July 1628 and it must be assumed that Charles was disappointed, since a reminder was sent on the 21<sup>st</sup> December. Six years later the Council requested the 'Commissioners of sewers of the City and Inigo Jones Esq. to arch over the Moor Ditch in order to eliminate a great annoyance'. Jones recommended a vaulted sewer 6 feet high by 4 feet wide. This was authorised four days later, suggesting a degree of urgency in the matter. Half a century later, in 1678, Sir Christopher Wren and diarist John Evelyn put forward a comprehensive plan for the redevelopment for City's water supplies and sewage following the Great Fire of London in 1666. Nothing became of the plans, despite the discomforts complained of by the likes of Charles I and also Samuel Pepys who had in 1660 commented: 'Going down to my cellar ... I put my feet into a great heap of turds, by which I find that Mr Turner's house of office is full and comes into my cellar' (Halliday 2001, 31-2).

The rapid growth of London after 1800 led to a greater increase in its use of water and drew attention to shortcomings that had previously gone unnoticed, or simply been tolerated. Overcrowded slum tenements, poor workmanship, inconsistent standards and overflowing cesspools combined in the first few decades of the nineteenth century to precipitate crisis and ensured that the drainage of the metropolis was a regular subject of critical debate (Halliday 2001, 34).

In order to understand how London's drainage, and consequently its sewage disposal system, became a fundamental issue to government, it has to be understood that the drainage grew around London's system of natural watercourses and that in fact most of the drainage system was only intended for surface water drainage. Foul sewage from buildings was diverted into cesspools, which were emptied at regular intervals, by 'nightsoil men'. Until 1815 it was illegal to discharge effluent from buildings to the sewers. The Builder commented on the situation in 1884:

'At the commencement of the present century it was penal to discharge sewage or other offensive matter into the sewers, which were intended for surface drainage only. The

sewage of the Metropolis was collected into cesspools which were emptied from time to time and their contents conveyed into the country for application to the land' (The Builder 16 August 1884, 215).

Consequently, until 1815 London's streams, open or covered, were supposedly performing little more than the function for which nature intended them: carrying rainwater into the Thames, though no doubt they were 'enriched' by some of the city's refuse, cast into the streets or surreptitiously dumped in the sewers. The Thames remained a relatively clean river for a while: as late as 1816, fourteen salmon (the litmus test for the purity of river water) were caught at Taplow, though only four years later, in 1820, no catches were recorded. By 1828 the Royal Commission on Water Supply of the Metropolis was drawing attention to an entire destruction of the fisherman's trade between Putney Bridge and Greenwich and estimated that the number of fisherman working the river had halved since 1800. Moreover, Metropolitan Brewers were seeking their supplies from wells rather than from the polluted river. The last salmon caught from the river was caught in June 1833 (Halliday, 2001). Further proof that the illicit dumping of sewage into natural waterways was a serious problem was provided by the explosion of the River Fleet in 1846, caused by foetid gases and resulting in a wave of sewage which swept away three poor houses in Clerkenwell (Halliday 2001, 27-28) (Plate 1).

# 2.2.3 London's increasing sewage and its problems

As a result of the rapid increase of population, and in building, in the last quarter of the 18<sup>th</sup> century and the first few decades of the 19<sup>th</sup>, most of the scattered villages and hamlets in the areas covered by the seven commissions of sewers in the neighbourhood of London had by the 1840s coalesced into one urban area.

The old piecemeal drainage systems which served this area, introduced in previous centuries, were woefully inadequate. Epidemics of cholera began to break out. Sewage accumulated and overflowed from cesspools and open ditches, and was present on the surface of the ground, fouling any nearby water supplies. From the 1840s onwards the Sanitary Movement became increasingly active. The movement was originally launched during the 1820s and was inspired by Benthamism, so named after Jeremy Bentham, a Utilitarian philosopher, who emphasised the need for experts in the service of government and Sanitarianism that aimed to reduce environmental pollution in the interests of human health. It advocated that preventable disease was dependent on environmental factors such as impure air and water supply. Among the movements followers were Florence Nightingale, whose first hand experience in the battle field hospitals of the Crimean War had formed her stringent belief in the miasma theory. Edwin Chadwick became one of the loudest voices within the movement; a friend of Bentham's, Chadwick became an active campaigner for social reform becoming involved in the Poor Laws, which affected workhouse of that period. 1832 saw the death of Jeremy Bentham and the appointment of Chadwick as secretary to the Poor Commission, it was this appointment which lead to his best known work the 'Report on the Sanitary Condition of the Labouring Populating of Great Britain'. The report dealt with four major themes: the first was the relationship between insanitary living conditions and disease; the second was the economic effects of poor living conditions as manifested in the creation of 'cholera widows', orphans and those rendered incapable of work; the third theme concerned the social effects of poor living conditions; and the fourth theme dealt with the need to apply new systems of administration. In his report Chadwick drew attention to some of the consequences of London's 200,000 cesspools. He quoted a report by a civil engineer named Howell, who in his capacity as a surveyor for the metropolis had inspected two houses about to undergo repairs:

'I found whole areas of the cellars of both houses were full of nightsoil to the depth of three feet, which had been permitted for years to accumulate from the overflow of cesspools... Upon passing through the passage of the first house I found the yard covered in nightsoil, from the overflowing of the privy to the depth of nearly six inches and bricks were placed to enable the inmates to get dryshod' (Halliday 2001, 40).

A medical officer in Whitechapel in his annual report of 1858 described the effects of cesspools on the area's inhabitants:

'No cesspool ought to be allowed to exist in London, for wherever there is a cesspool, the ground is completely saturated with the foul and putrefying liquid contents, the stench from which is continually rising up and infecting the air which is breathed by the people, and in some instances poisoning the water which is drawn from the public pumps' (Halliday 2001, 40).

Hector Gavin, a doctor who lectured at Charring Cross Hospital, wrote an account of the sanitary conditions of the Bethnal Green area:

'House drainage is nearly entirely wanting in Bethnal Green...The inhabitants, therefore, are compelled to get rid of their fluid refuse by throwing it out on the gardens, yards, or streets. Sometimes holes are dug in the gardens, or yards to receive refuse water. These holes are frequently adjacent to wells whence the occupants derive their supply of water' (Halliday 2001, 42).

As a result of the increase in London's population, the city was spreading. Outlying villages became outer districts and any available uninhabited land was built upon. Therefore the removal of night soil to easily accessible agricultural land became increasingly difficult. Compounded with this, was the introduction of cheap guano from South America in 1847 meaning that any markets associated with human manure collapsed. Further, the introduction of the water closet by Thomas Crapper in 1861 almost doubled the amount of water flushed into an already strained drainage system. In June 1859, Dr J. Strange (City Chamberlain, Glasgow) submitted an article to The Journal of the Statistical Society, in which he gave two figures: in 1850 270,581 houses used an average of 160 gallons each per day, while in 1856 328,561 houses used an average of 244 gallons each per day.

A contemporary estimate provided by three engineers who reported to Bazalgette was as follows:

'We believe that the introduction of water-closet in the metropolis, to any extent, maybe dated from about the year 1810, from which time until 1830 their increase was only gradual; but since 1830 the increase has been very rapid and remarkable. The number of cesspools which have been in London, is stated to be not far short of two hundred thousand' (Halliday, 2001: 42).

Paradoxically, while the improvements in the design of the WC and its more widespread adoption undoubtedly represented sanitary progress, they were also indirectly promoting epidemics: the infrastructure to which they were connected could not support the increased volume of liquid waste they generated. The increasing use of water for the water closet coincided with other social and regulatory changes, which combined to bring about a sudden deterioration in the condition of the Thames (Halliday 2001, 43-45).

In 1831 cholera reached the shores of Britain via the port of Sunderland. Its progress from India had been monitored closely with increasing apprehension, as it was a disease which struck down both the poor and rich alike, making it dreaded by all society. After the 1849 epidemic local parishes were still advocates of the miasmic theory for the spread of the diease (originally known as the 'Zymotic theory', associated with the German professor Justus von Liebig, who had suggested that some compounds were inherently unstable and

fluctuations in temperature, electricity or friction could prompt a fermentation process similar to yeast. He went to suggest that bodies affected with disease could produce ammonia in the atmosphere and spread the infection). The West Ham Guardians issued health orders for the poorer residents in 1849, which showed a woefully inaccurate understanding of how the disease was transported (Plate 5). A cartoon from Punch in 1850 illustrates that the belief that cholera and other diseases were transported by water was becoming an accepted theory (Plate 6).

In answer to the earlier outbreak, the 1839 Bill was drafted, which included four features, which affected the future developments of sewage management:

- It created an overall authority, the Metropolitan Court of Sewers
- It laid down construction standards requiring buildings to be linked to a sewer system
- Six new management districts were created: The City, Western London, Finsbury, Poplar, Southern London and Tower Hamlets
- Members of Parliament for the respective districts would serve as commissioners and also be members of the supervisory Court, where the Lord Mayor would join them, together with the Presidents of the Royal Colleges of Physicians and Surgeons and other figures of similar position.

The 1839 Bill was lost over the next couple of years, due to the strong opposition from the City of London, but it paved the way for an 1843 Bill 'for the better regulating [of] buildings of the Metropolitan Districts, and to provide drainage thereof'. This bill is referred to as the 1844 Metropolitan Buildings Act, which contained the following directives:

- No new building could be (officially) constructed without being connected to the common sewer, provided this was within 30ft of the building. A later amendment extended this distance to 100ft (this also applied to any new extensions)
- Drains had to be at least 9 inches in diameter and constructed of brick, tile, stone or slate, set in mortar or cement.

Although the Act made strides in the right direction, it had little effect on existing buildings. The 1846 Act entitled The Nuisances Removal and Diseases Prevention Act, commonly known as the Cholera Bill, would later be used in the 1848-49 epidemic. During this epidemic, the Board of Health had the power to compel property owners to clean and whitewash their properties and encouraged them to connect to local sewers (Halliday 2001, 47-48).

#### 2.2.4 The Royal Commissions

The cholera epidemics increased in frequency and intensity until the government was forced to take action.

In 1847 a Royal Commission was appointed to 'inquire whether any, and what, special means might be requisite, for the improvement of the health of the metropolis, with regard more especially to the better house, street and land drainage.... etc'. One important conclusion of the Commissioners was that adequate provision for the sewerage of London could not be made until it became the responsibility of one competent body. Parliament accepted the Commissions recommendations and the Metropolitan Sewers Act of 1848 gave jurisdiction over 'places or parts in the counties of Middlesex, Surrey, Essex or Kent, or any of them, of more than twelve miles distant in a straight line from St Paul's Cathedral, but not being within the City of London or the liberties thereof' (Halliday 2001, 48).

Twenty-three commissioners for each of the seven districts (plus the extra Westminster district in the palatinate of the Savoy) were appointed to the first Commission, replacing the 1,065 commissioners who had nominally served on the seven former districts commissions. The same chief officers were appointed for all the districts and so some unity of policy and organisation was already in being before the combined Metropolitan Commission of Sewers was appointed under the Act of 11 and 12 Vic. cap. CXII [September 1848] 'to consolidate and continue in force for Two Years and to the End of the then next Session of Parliament, the Metropolitan Commissions of Sewers'.

The First Commission began by asking the Ordnance Survey to prepare a survey of London's sewers to a scale of 10ft to the mile. In the end a general ordnance survey could not be carried out, but instead a separate survey for each of the former districts was done. With this obstacle out the way, the commissioners were given the authority to insist upon the provision of WCs or privies and ash-pits in new and existing dwellings and, if property owners refused or failed to install the above, the commissioners could execute the work themselves and levy a charge. In 1849 a further amendment went on to increase their powers, stating that if a watercourse was considered 'prejudicial to the health of the neighbourhood' then it might be abated without previous notice, and the owner required to pay (Halliday, 2001: 49). The first commission's policy, as advocated by Chadwick, was what *The Times* would later describe as 'no filth in the sewers, all in to the river' (Plate 2).

The weakness in this approach was demonstrated by the following cholera epidemics. By disposing of human waste into the Thames, the most harmful elements returned to the capital's water supply. The fact that contaminated water was among the main vehicles for transmitting cholera had not yet been recognised. However, the first Commission had taken steps towards ridding householders from influxes of sewage and made way for the next Commission.

The Second Commission took office in January 1849 and began to look into an intercepting sewer system and differing sizes of sewer pipes. It was during this commission that the idea of resuming the use of sewage on agricultural land was seriously considered. This was largely due to Chadwick's advocacy of the idea. Two plans were presented to the board with the same result: human waste would be conveyed to agricultural land outside of London. The Commissioners could not agree on either plan so a general invitation was sent to engineers to submit designs. In total, 137 plan were received, but again no decision could be reached. In fact, the atmosphere within the commission had become so charged with distrust that it was deemed prudent to elect a new commission rather than continue. The third commission did not include Chadwick, who although a spirited advocate for philanthropic causes was equally able to antagonise and alienate others who shared his own views.

The Third Commission took office on the 8<sup>th</sup> October 1849, and became known as 'the engineers commission' as a number of eminent engineers took office. Among them was Robert Stephenson, who had insisted on bringing a number of other prominent railway engineers. The commission delegated the task of evaluating the 137 designs to Bazalgette and another assistant surveyor, Edward Cresy. The degree of public interest in the matter may be gauged from the fact that the commissioners' deliberations were described at length not only in professional publications like *The Builder* but also in *The Times*, which devoted four columns to the subject on 16 March 1850. Bazalgette and Cresy divided the schemes into seven categories:

- 1. Portable cesspool systems; using little water to reduce bulk and to avoid weakening properties of the sewage as agricultural fertilizer
- 2. Systems which discharged into the Thames

- 3. Intercepting tunnels or culverts adjacent to the Thames
- 4. Several tunnels or culverts at different levels
- 5. Cesspools from which sewage would be conveyed to rural areas
- 6. Converging reservoir systems, like Austin's earlier proposal
- 7. Systems described as 'almost exclusively confined to the consideration of processes and expedients for infiltrating, deodorising and solidifying the sewage for the purpose of the market gardener'.

Of the 137 plans submitted, 116 were allocated to these categories while a further 21 were dismissed in the following terms: 'Numerous communications have come under our notice which may for the most part be described as vague, speculative, disquisitious or collateral...few of which can be said to possess an practical value' (Halliday, 2001: 52-53).

Unfortunately, none of the schemes was accepted. Instead, the commission turned to their own engineer Frank Forster, who submitted plans for the drainage of that part of London south of the Thames on the 1 August 1850, and plans for the drainage of the north part on the 31 January 1851.

The Builder noted that sixteen square miles of Fulham and Hammersmith had been omitted from the scheme, the reason for this being that the area was low lying and required special arrangements, which Bazalgette would eventually use on the Northern Outfall Sewer. In June 1852 the Third Commission resigned, as the revenue from the venture would not cover the construction costs of the scheme.

The Fourth Commission, which held office from July to October 1852, was divided over whether to support Forster's plan or not. During this commission Forster died, and Bazalgette was appointed his successor. Forster's obituary noted that 'A more general and hearty support from the board he served, might have prolonged a valuable life, which as it was became embittered and shortened, by the labours, thwartings and anxieties of a thankless office' (Halliday, 2001: 54). This was only a small indication of the difficulties which the board faced when attempting to undertake the task.

In late 1852 the Fifth Commission came into power, but was distracted by a scheme to use sewage for profitable agricultural purposes. At this point a Bill promoted by John Morewood for the private company called the London Drainage Company called for this to be the scheme chosen to go ahead, claiming that amongst others benefits the London ratepayers would be able to share any profits. Bazalgette was called upon to give evidence to the Select Committee whilst the scheme was considered. His evidence is interesting when considering his later designs and construction of the sewer system, and what was to happen in the following years.

'The Commissioners of Sewers receive deputations, and memorials and complaints of the want of sewers and drainage, at every court they hold, and I do not remember one complaint (with one exception; I remember one complaint, and only one) not the offence of the sewers in the river ... I think that evil has been very much exaggerated, and I think it is very much less than the benefit; not to be compared with the benefit which will be conferred on the public by drainage into the Thames...I have not a word to say against the interception; I simply state, however important it my be, or however desirable, I think it much more important to drain those localities that are now without drainage, where the people are really suffering from a want of it' (Halliday, 2001: 55).

The Bill was rejected and the commission began to reform its finances. This would prove to be very difficult, as many powerful people were unsupportive to the reform. The Home Secretary, Lord Palmerston, was made aware of the shortfall in finances which the scheme

faced (the revenue from sewer rates brought in £200,000, as opposed to the £1,080,000 required for the southern drainage plan alone); but unfortunately, he was unsympathetic to their difficulties. At the same time, Edwin Chadwick, excluded from the commission, now sought to cause further troubles to his former colleagues, by insisting on separate systems for rainwater and sewage. Palmerston was receptive to Chadwick's ideas, and the conflict this created led to the resignation of the Fifth Commission.

The Sixth, and final, Commission differed from its predecessors in one significant detail: convinced by evidence which the Fifth Commission had collected whilst evaluating John Morewood's Great London Drainage Bill, MPs were now convinced that membership to the board had to be altered. John Thwaites who would later be Bazalgette's superior commented on the decision:

'The Information obtained during the examination of witnesses, had considerably enlightened Parliament, as well as the Metropolitan Constituencies on the subject, and so much opposition was evinced to entrusting (sic) the execution of works of such magnitude and cost, to a limited Crown appointed Commission, that Government, yielding to the expression of the general sentiment infused a new element by the nomination of the New Board of one local representative for each of the Metropolitan Boroughs' (Halliday, 2001: 56)

The new commission quickly recognised the problems which it had inherited The powers and resources available to the Board were inadequate for the re-planning and reconstruction of the main drainage of the entire London area. In particular the Commission discovered that it lacked the power to purchase land beyond its area of jurisdiction which was essential if Forster's plan for the outfall was to succeed (Halliday, 2001: 56)

In August 1855 the Metropolis Management Act received royal assent, and the Metropolitan Board of Works superseded the Commission with effect from the 1 January 1856. John Thwaites, who would become Chairman of the Board, moved the following resolution at the next Commission's meeting:

'That whereas the Metropolis Local Management Act will shortly come into operation, by which this commission will be superseded, it is the duty of this court immediately to provide plans, showing the existing sewers, for these use and guidance of the several District Boards to be formed under the said Act; that the proper officers of this commission do with all diligence prepare such plans, that the same may be ready to be handed over to each of the said District Boards on or before the first day of January next'(Halliday, 2001: 56).

Although superficially the Commissions seems to have achieved nothing, in fact they achieved three major steps forward which would enable Bazalgette to construct his sewer system:

- 1. They had brought into being the Ordnance Survey of the Metropolitan area, without which no future scheme could have been devised
- 2. They adopted a system which combined water and sewage based on the principle of interception
- 3. They decreed that the responsible body should contain an element of the representative population rather than only Crown appointees.

## 2.2.5 The Metropolitan Board of Works

The new Metropolitan Board of Works was not without its detractors. Edwin Chadwick, Benjamin Hall and J. Toulmin Smith (a barrister from Lincoln's Inn) were amongst the

voices raised against its formation. 'Some critics even questioned what the word 'London' meant' (Halliday 2001, 58).

The various Acts and Bills relating to building, water and sewage regulations which had been passed over the years affected the numerous parishes within London in different ways, and had only served to complicate the issue rather than solve it. The Times commented on the situation, stating that 'a greater number and variety of governments than even Aristotle might have studied with advantage...have no more to do with each other than the pavement of ours St Paul's with that of St Peter in Rome.(The Times 7 November 1854, 7)' The article also commented that the Parish of St Pancras had seventeen boards on paving alone. Benjamin Hall had already drawn attention to this particular fact when introducing the Metropolis Local Management Bill to Parliament, although by his estimation there were nineteen. This disparity shows the confusion surrounding the state of the governing bodies in London.

In the Morning Chronicle a letter from 'A. Ratepayer' commented 'Even in Constantinople or Grand Cairo where plague and cholera are decimating the population, it is doubtful whether such a bill would be desirable (Morning Chronicle, 29 April 1848)'. The most ardent critic of the Bill was J. Toulmin Smith, who, at a meeting of civil engineers, 'argued that nature should be left to carry away rainfall, sewers being an unnecessary expense for this purpose' and attacked both the engineering profession and the General Board of Health for suggesting otherwise (Halliday 2001, 62).

The Metropolis Local Management Bill, introduced in 1855 by Sir Benjamin Hall, proposed to divide the London into administrative areas based on existing parish boundaries: the London area would be defined by the thirty-six registration districts used in the 1851 census. The Bill suggested that the Local Government of London should be based on the established vestries, but the difference being that all ratepayers would elect the members. In turn the vestries would elect from within their number a representative to go forward to the Metropolitan Board of Works. This meant that the Vestries and any district boards would be responsible for the construction and repair of local sewers, subject to approval of their plans by the Metropolitan Board, who also had the power to raise rates to cover costs.

However, even with this organisation Parliament was still reluctant to create a body with such powers. They specified that the power of Veto be retained by the Government, with Clause 114 stating that works over £50,000 needed advance approval from the Commissioners of Works and Buildings, while a higher cost of £100,000 needed approval by Parliament. Included into this was the clause allowing ratepayers to appeal to the quarter sessions if they believed the works in their area inadequately reflected the rates that they were paying: this would cause delay to the works until it was repealed. It was in effect what a Hackney Medical Officer in 1860 described as 'a war of the community against individuals for the public good' (Halliday 2001, 63-65).

The Board finally took office on 1 January 1856, with John Thwaites as the elected chairman and Bazalgette as chief engineer. It was in no doubt as to its priorities and immediately began in earnest to tackle London's drainage problem.

Some contemporary commentators forecasted that Bazalgette and Thwaite would come to blows because of an earlier confrontation. The incident had involved Edwin Chadwick, who had impressed upon the Fifth Commission the importance of use of earthenware pipes over brickwork, in complete opposition to Bazalgette, an advocate for the use of highly fired engineering bricks and Portland Cement. Thwaites also weighed into the argument and had implied that Bazalgette's methods were prejudiced in order to satisfy his 'masters' views rather than being objective. Another engineer was so critical that Bazalgette threatened to

sue him. Although this was an embarrassment to Bazalgette it is also an indication of his ability to work through difficult circumstances; as it turned out, he worked effectively with Thwaites (Halliday 2001, 66-67).

On the 18<sup>th</sup> February 1856 Bazalgette submitted plans for the drainage of London south of the Thames, followed by the plans for the drainage of North London on the 23<sup>rd</sup> of May. The area north of the River Thames was to be served by three sewers and that south of the river by two, with some sewers also having branches. At Abbey Mills and West Ham, the low levels sewer's contents would be pumped up to a level with the middle and high sewers; thence the combined flow would proceed via the three outfall sewers to Barking where it would be discharged into the Thames (Halliday 2001, 68).

On the 3<sup>rd</sup> of June 1856 Bazalgette's plan was sent to Sir Benjamin Hall. Unfortunately Hall did not give approval for the plan, as the sewer flowed into the Thames within the Metropolitan area. Whilst various plans were sent to and fro for approval the Board came under severe criticism. An extract from the *Illustrated London News* is an example of the opinions surrounding the struggles between the Board and Parliament:

'In sullen, Pistol-like compliance with Benjamin Hall's desire they have, a fraction at a time, amended their pan for the Thames purification; though in this respect their latest effort is still a half-measure. It will, however, ensure the destruction of the riverborne fish trade, ruin the waterside towns and waste upon the unthankful flood the fertilising matter' (Halliday, 2001: 69).

On the 31<sup>st</sup> of December 1856 Hall finally submitted a modified plan to committee of three referees: Captain Douglas Galton of the Royal Engineers; James Simpson, engineer to two London water companies; and Thomas Blackwood, engineer to the Kennet and Avon Canal. The 500-page report recommended that north of the Thames the outfall be situated near Mucking Lighthouse Sea Reach, twenty miles outside the Metropolitan area, and the southern outfall located at Higham Creek, which was sixteen and a half miles outside. The outfalls proposed in the report would be open ditches, and due to the fifteen-mile incline the outflow could only occur at low tide. This meant that initially, sewage would flow backwards towards populated areas. It was suggested that channels be dug in the barren Essex marshes in order to provide sewage to fertilise the lands. The total expenditure for this plan would come to £5,437,265; which compared to Bazalgette's estimate of between £2,135,196 and £2,413,376, did not receive resounding approval. In fact, when Bazalgette and Thwaites raised the question of the extra cost, Hall stated that in his opinion Parliament would refuse to make any contribution to the works in question. 'The news promoted such adverse reaction from the Vestry and District Boards that on 16 November the Metropolitan Board passed a resolution to the effect that it would be contrary to the provisions of the Metropolis Local Management Act to charge metropolitan ratepayers' (Halliday 2001, 70).

The argument was continuing with mounting bitterness in the hot, dry summer of 1858, when the 'Great Stink of London' struck.

#### 2.2.6 The Great Stink of London

During the dry summer months of 1858 the Thames was reduced to a state which caused what the press termed as 'The Great Stink'.

In the summer of 1857, Sir Benjamin Hall had already been under pressure to resolve the Thames problem. He received a letter form the Lord Chamberlain complaining that 'the pestilential state of the atmosphere at times in and about the New Houses of Parliament has on several occasions compelled me to leave the terrace and I am frequently obliged to close the door of my office' (Halliday 2001, 69). Unfortunately the disputes which were raging at

the time prevented any plans gaining full approval, and therefore no construction or solution to the 'pestilential state' could be implemented.

In February 1858, a Conservative administration led by Lord Derby took control of Parliament and appointed Lord John Manners as First Commissioner in place of Sir Benjamin Hall.

The Times on the 18<sup>th</sup> June 1858 commented:

'What a pity... that the thermometer fell ten degrees yesterday. Parliament was all but compelled to legislate upon the Great London nuisance by the force of sheer stench. The intense heat had driven our legislators from those portions of their buildings which overlook the river. A few members, bent upon investigating the matter to its very depth, ventured into the library, but they were instantaneously driven to retreat, each man with a handkerchief to his nose. We are heartily glad of it'(Halliday 2001, 71).

To countermeasure the stench, curtains soaked in chloride of lime were hung in the rooms nearest the river and it was even considered that Parliament be moved to either Hampton Court of Oxford. In consequence Parliament and newspapers alike criticised the Board fro its lack of action. R.D. Mangles, an MP for Guildford, stated on hearing that the board would be taking a trip on the Thames:

'If they were to go on that voyage of inspection, he hoped that they would take a good supply of brandy and other condiments with them for the purpose of obtaining relief from the sickening sensations they must experience...he believed that the House has committed a great mistake in handling over a mater of that important to any municipal body. The question was really one of an imperial character and ought to have been treated by the legislature' (Halliday 2001, 71).

On the 19th of June of the same year The City Press commented 'Gentility of speech is at an end-it stinks; and whoso once inhales the stink can never forget it and count himself lucky if he live to remember it' (Halliday 2001, 72) (Plate 3).

On 2<sup>nd</sup> June 1858, the Metropolitan Board passed a resolution to the effect that they would defer all deliberations to the next October, to which Benjamin Hall (now out of office) replied that the Board was manipulating the situation in order gain favour for their arguments and more financial aid.

In response to this, the new Prime Minister Benjamin Disraeli introduced the Metropolis Local Management Act (15<sup>th</sup> July 1858), which:

- 1. Allowed the Board to position the outfall sewers where they saw fit
- 2. Enabled the Board to raise monies to the sum of £3,000,000 by bond or debentures, and allowed the Treasury to underwrite, meaning that money could be obtained at a low interest rate
- 3. Repealed the ability of Parliament to veto plans or expenditure on the project
- 4. Removed the right of ratepayers to appeal to the Quarter Session in regard to their rates.

In frustration, The Times published a long article in their 21<sup>st</sup> July edition a day before the debate on the state of the Thames was due to start:

'The truth is, that this is a case where the fool's argument that 'something must be done' is applicable ... the sewage of a mighty city lies in a broad stream under our very noses. The actions of the [Metropolitan] Board were crippled in two most important respects. It had no money and it had no power; it had no authority to raise the means required, and its

engineers were liable to be confronted with engineers appointed by government and armed with a veto ... if we wait for a concurrence of opinions on this subject, we shall never stick a spade in the ground or construct either a drain or a tunnel, or get in fact, a single inch beyond the recent expedient of correcting Thames water with tons of lime ... The stench of June was only the last ounce of our burden. That hot fortnight did for the sanitary administration of the Metropolis what the Bengal mutinies did for the administration of India' (Halliday 2001, 74).

On the 2<sup>nd</sup> of August, just eighteen days after Disraeli introduced the Act, it became law, giving the Board all the tools it needed to proceed with the works. In 1863 the Board were allowed raise a further £1,200,000 on the same terms as the previous £3,000,000. The 'Great Stink' had, in the end, given the Board a winning hand. They were finally given the money and power required to construct the sewers, and, finally, Bazalgette could start building (Halliday 2001, 76).

## 2.2.7 Bazalgette's Solution: a network of intercepting sewers

Bazalgette proposed to construct a network of intercepting sewers for both sewage and surface water. Much of London lies below the high tide mark, particularly the area around Lambeth and Pimlico: his drainage solution was to lift the sewage to a higher level in order for gravity to take hold and pull it into the rest of the system.

The scale of construction in this project helped to develop the concept of contract management. Large-scale contract management had first come into being during the Napoleonic wars, with the construction of barracks. By the time the main drainage construction began, three types of contract had emerged:

- 1. The Measure and Value contract; a full specification for all materials, specifying the individual cost of various items and the total cost of the contract
- 2. The Cost plus Profit contract; a contract in which the contractor is paid the total cost plus a stated percentage of profit
- 3. A fixed sum quoted by the contractor including profits, making no contingencies for extra expenses.

Bazalgette favoured the first type of contract. For each contract, the contractor provided a set of plans and sections, elevations, and details of the method of construction and the materials used. The contract drawing of the main outfall sewer shows twelve miles, from Kensal Green to Old Ford. Most of the sewer was to be constructed by the 'cut and cover' method with the exception of the section between Saffron Hill and Notting Hill, where tunnelling had been chosen due to the natural topography of the area (Halliday 2001, 87).

Having completed the drawings and specifications for materials and gained an estimate from a quantity surveyor, Bazalgette needed the Metropolitan Board of Works' approval before advertising for tenders in publications such as The Builder. The Board did not always accept the lowest tender, as Bazalgette explained:

'if there is a contractor whom they well know, and whose tender is not materially above the lower one, they will naturally prefer it. It is a very great mistake to employ a contractor who has not the means of carrying out his contract thoroughly. It always leads to constant wrangling, difficulty, stoppage and very often eventual failure' (Halliday, 2001: 89).

The press and Parliament closely followed the construction of the sewer network. Within two years of 1858, The Observer, which had been critical in the past, sounded a note of awe in their typed notes:

'It is two years since the most extensive and wonderful work of modern times was commenced, and yet the inhabitants of this metropolis, who are so deeply interested, seem to take little interest in the undertaking ... It is hardly possible that such an undertaking could be finished in three years, or at a cost of only three millions of money' (Halliday 2001, 92).

Five months later the City Press published an articled entitled 'The Main Drainage' in which the writer commented:

'Looking at the results attained so far, we must do the board the justice of uttering our opinion that it has accomplished wonders and if we were to contemplate the transference of its powers to the hands of government we should at the same time entertain grave doubts if the future progress of these immense undertakings would be prosecuted with one-tenth the speed or with anything like the same efficiency. As to the cost, vast as it is, no one can charge the Board with waste; in the proper mission for which it was created it has practised rigid economy and stern prudence, and let it have the praise it well deserves' (Halliday, 2001: 92).

Much of the sewer was created by tunnelling, such as the low level sewer which began at Pimlico, continuing to Blackfriars via Vauxhall and Westminster bridges. From Blackfriars, the sewer headed north via Queen Victoria Street, Tower Hill, Cable Street and Bow, where it passed beneath the River Lea in a tunnel (Halliday 2001, 79-82).

The Marylebone Mercury, which had previously published an article in March of 1861 entitled 'The Uselessness of the Board of Works', was by October generous in its praise of Bazalgette, stating that, 'So accurate were the designs that, when the different bodies of men met, there was not a deviation of a quarter inch in their projection'. These flattering comments followed a visit to the Board's works on the sewers. Visits by the press were a strategy which the Board pursued throughout the construction, and one which worked to their favour. Two years later the Marylebone Mercury published a long and humorous account of their visit to the outfalls which they entitled 'The Main Drainage'. The indulgent tone of the piece is testament to the Board's successful press relations management.

# 2.2.7.1 The Northern Outfall Sewer

The northern drainage was by far the greater project when compared to the western and southern drainage projects (Figures 10 & 11). It required three main intercepting sewers, one high, one middle and one low level. The high level sewer ran from Hampstead Heath to Old Ford, Stratford along the course of the River Lea, a distance of nine miles, intercepting the sewage and surface water from the northern part of the Metropolis. It lay at a depth of between twenty and twenty-six feet below the surface, and its fall was rapid - at least four feet per mile. For this reason it was lined with specially made bricks called Staffordshire Blues, which were baked to an exceptionally high temperature to allow them to withstand the scouring motion arising from the rapid fall.

The Northern Outfall Sewer was a particularly complicated project since it required the construction of massive embankments to carry the outfalls over the low lying marshy land and a dense network of roads, rivers and railway lines. It was the most costly of all of the contracts, requiring the construction of a temporary cement works to produce the large quantities of material required and a temporary railway to convey the materials to the various construction areas. The Barking and North Woolwich railway lines had to be lowered to enable the outfall to be carried over it without an excessive fall in the sewer. Similarly, five roads had to be raised by between six and sixteen feet in order to enable the outfall to pass beneath them. It cost £669,762 and took the contractor, Furness, five years to complete. At the end, nine bridges had been completed which spanned rivers, streams,

roads and railways. Below is a table listing all the works completed between 1858 and 1863 (Figure 12).

At Old Ford the sewer formed a junction with the middle level sewer, which contained a chamber from which the contents of both sewers could be discharged into the Northern Outfall.

Structure	Location	Form
Bridge	Over the River Lea	One span carrying double line of sewer
Bridge	Over East London Waterworks feeder channel	Two spans carrying double line of sewer
Bridge	Over Marshgate Lane, Pudding Mill River and Knobs Hill Marshgate Lane	Four spans carrying double line of sewer
Bridge	Over City Mill River	One span carrying double line of sewer
Bridge	Over Waterworks River	One span carrying four lines of sewer
Bridge	Over Abbey Mill Lane	One span carrying double line of sewer
Bridge	Over Abbey Creek and Channelsea River	Two spans carrying triple line of sewer
Bridge	Over Bow and Barking Junction Railway, Marsh Lane, and North Woolwich Railway	Three spans carrying triple line of sewer
Bridge	Over Bow and Barking Railway (Main Line)	One span carrying triple line of sewer
Bridges	Over 'Occupation Roads'	One span carrying triple line of sewer

Table 3 List of completed bridges of the Northern Outfall Sewer within Olympic site as completed by 1863

## 2.2.8 The opening of the sewer network

On the 4<sup>th</sup> April the Prince of Wales officially opened the sewer network. To mark the importance of the occasion, other royalty, members of Parliament, the Archbishops of Canterbury and York, the Lord Mayors of London and Dublin and numerous other dignitaries also accompanied the Prince. Construction continued for many more years; Crossness was not completed until 1867, and Abbey Mills was not opened until 1868. (Plate 4)

The new system was even attributed powers for the defence of the realm; whilst some critics were concerned that the outfalls were vulnerable to attack, an article in The Builder on the 29th of January 1870 insisted that the opposite would be true:

'The sewage of London, North and South, suddenly discharged upon an advancing fleet, would inevitably produce a panic and retreat, or death by poison' (Halliday 2001, 92).

Besides the building of the new sewer network, the Board was also responsible for the older sewers, as constructed by their predecessors. In total the Board reconstructed 165 miles of old sewer, and 1,100 miles of local sewer systems were also constructed. When designing these new systems Bazalgette estimated that the population would increase together with water consumption, though even within his own lifetime his estimate of a maximum population of 3,450,000 was exceeded by 775,000. Bazalgette also designed the system to cope with rainfall. On 26 July 1867 the system was put to the test. Bazalgette, in his report to the Board, observed that the pumps installed within the system were carrying nearly double the amount of rain water expected, and also commented that a number of houses in

the Battersea area had been flooded. The cause was simple: they had been built since the main drainage plans had been published, and had basements which at the time were twelve feet below the water table.

## 2.2.9 Revision of the sewer network

Despite the creation of the sewer system, criticism of its construction and location continued. Doubts were raised over whether the problem of sewage had simply been moved downstream. On the 29 July 1874 the Thames Conservators informed the Board of deposits on the banks at Halfway Reach. To further support their case they appointed Captain Calver, who's expertise with admiralty surveys allowed him to produce a report on the mud deposits of the Thames on eth 15<sup>th</sup> October 1877, in which he stated that:

'offensive accretions had recently formed within the channel of the Thames; that a material portion of these were within the neighbourhood of the sewage outfall ... that the constituents of these accretions were the same as those of the sewage, and that the latter was discharged in sufficient quality to account for them, the tidal streams in the neighbourhood of the outfalls being the effective cause' (Halliday, 2001: 103).

Bazalgette swiftly replied to this report, stating that: 'were Captain Calver's theory correct, the Thames and all other tidal rivers of the universes would long ago have ceased to exist'. He went on to state that in the Great Stink of 1858 it had been suggested 'that Parliament would have to abandon its sittings at Westminster, whereas now I have evidence before me of flounders being frequently caught in the neighbourhood of Westminster' (Halliday, 2001: 103).

On 3<sup>rd</sup> of September 1878 an accident occurred which sharpened the dispute. The pleasure steamer Princess Alice collided with the freighter Bywell Castle on the Thames, causing the Princess Alice to sink with the loss of many lives. It was suggested at the time that instead of drowning, many of the fatalities were due to poisoning, as the collision had occurred near the discharge of the outfall sewers. A chemist was called Wigner was commissioned by the Woolwich Board of Health to produce a 'Report on the State of the Thames with special reference to the question as to whether the water was so contaminated by sewage discharge on 3<sup>rd</sup> September 1878 as to cause the death of the passengers on the Princess Alice' He reported that such deaths could have been caused by 'uncontrollable vomiting' (Parliamentary papers, 1884-5, Vol.31: lxvi).

The question of responsibility continued to be debated between the 4<sup>th</sup> of November and 24<sup>th</sup> of March, in which period twenty-four sittings of three arbitrators were held to discuss and decide on a course of action. Their decision was unanimous: the river navigation in the area of Halfway Reach was actually improved by the outfalls, and it was in fact the Thames Conservators own dredging which was responsible. This was not an uncommon occurrence, and some areas of the Stratford Back Rivers were still suffering from the same overdredging in the 1930s and 40s.

Criticism of the Board continued on different matters. On the 7<sup>th</sup> of March 1882, a group of merchant traders, ship owners and the representatives of dock and shipping interests on the Thames held a meeting and drafted a memorial to the then Prime Minster Gladstone asking that a Commission be appointed to enquire into the condition of the river. The secretary supported the memorial, and a commission was appointed, composed of a retired judge, two civil engineers, a professor of chemistry, a doctor and an army surgeon. The commission produced two reports. The first stated that 'the discharge of the sewage, in its crude state, during the whole year, without any attempt to render it less offensive, is at variance with the original intensions and with the understanding in Parliament when the 1858 Act was passed' (Halliday 2001, 104).

The second report was unequivocal. Its fourteen recommendations included the statement: 'It is neither necessary nor justifiable to discharge the sewage of the Metropolis in its crude state into any part of the Thames' (Halliday 2001, 105). By the autumn of 1885 The Times was publishing articles which had echoes of the Big Stink episode twenty-seven years before. In one article the writer commented:

'Anybody who has frequented the Thames would, though he has been years away and returned blind, recognise its stream by the dull brooding atmosphere of odours the Metropolitan Board of Works brews from its London Sewage' (Halliday 2001, 105).

By the 1880s, what had been a solution to the Metropolitan's sewage problems twenty years earlier was no longer acceptable. The city had grown by more than 50 per cent, and areas such as Barking which had once been sparsely populated were now bustling suburbs, hardly the territory of 'bone boilers and glue workers' which Bazalgette had described in 1877.

It was with reluctance that the Board had to admit that the system which had been hailed as such a success needed updating, and that the original solution of discharging into areas of the Thames was not at all viable. Bazalgette worked out a system whereby 850 tons of pressed sludge a day would be processed and eventually dumped at sea - the alternative option of burning the waste produced offensive smells, and giving the sludge to farmers was of limited success. The board adopted the pressed sludge process in January of 1877, and the principles of Bazalgette's system were used until 1998.

## 2.2.10 The Northern Outfall Sewer in the 20th Century

## 2.2.10.1 Pre-1939, and Second World War period

The Metropolis Water Act was passed in 1902 and lead to the formation of the Metropolitan Water Board in 1903. The board, as originally constituted in the Act, had 67 members: 65 of these were nominated by local authorities, who appointed a paid chairman and vice-chairman. The nominating bodies were:

- County of London: fourteen members nominated by the London County Council, two members by the City of London, two by the City of Westminster and one member by each of the remaining twenty-seven metropolitan boroughs
- Essex: one member nominated by Essex County Council, one member by West Ham County Borough and four members nominated by the nine Urban District Councils
- Kent: one member nominated by Kent County Council, and one member jointly nominated by the eight Urban District Councils
- Middlesex: one member nominated by Middlesex County Council, six members nominated by the borough of Ealing and the seventeen Urban District Councils
- Surrey: one member nominated by Surrey County Council and one nominated jointly by the Borough of Richmond and the seven Urban District Councils
- Hertfordshire: one member nominated by Hertfordshire County Council
- One member of the Conservators of the River Thames
- One member of the Lee Conservancy Board.

The Board also compulsorily acquired the following water companies:

- The New River Company
- The East London Waterworks Company
- The Southwark and Vauxhall Waterworks Company
- The West Middlesex Waterworks Company

- The Lambeth Waterworks Company
- The Chelsea Waterworks Company
- The Grand Junction Waterworks Company
- The Staines Reservoirs Joint Committee

Also acquired at no cost were the water undertakings of Tottenham and Enfield Urban District Councils. By the time of the First World War the whole of West Ham had excellent water provision. Both of the responsible undertakings gave a constant supply throughout their systems and maintained a high standard of purity, and practically every house was had a piped supply from the Metropolitan Water Board.

The mid-1930s saw a growing threat of hostilities with Germany. Among many considerations in preparation for war, thought was given to the protection of the London sewers and waterways. West Ham County Borough contacted the Under Secretary of State raising its concerns:

'On the 8<sup>th</sup> October, 1937, my council borough engineer had an interview with Colonel A.J.G Bird...when certain measures for the protection of the councils sewage pumping station, Abbey Mills Stratford, E.15, were discussed.

Since that time, careful though has been given to the position of avoiding the possibility of a complete breakdown of the sewage disposal arrangements as a result of air attack by the provision of an independent station.

After an examination of the problem and bearing in mind the extreme vulnerability of this area, the borough Engineer has come to the conclusion that the only way of ensuring the uninterrupted maintenance of this vital service in time of war is by the construction of a new and supplementary pumping station at some distance from the present plant.

While it is, of course, fully realised that the council could not except to receive grant on the cost of the undertaking to the full extent authorised by the Air Raid Precautions Act, I have been instructed to inquire, in general terms, as to whether the department would be prepared to contribute a certain proportion of the expenditure involved' (HO 207/930, 701,581/319 1939).

The feeling at the Home Office did not concur with that in West Ham; minutes from a meeting held in May 1939 reveal that the Home Office were reluctant to spend money on a structure that was not expected to be a target.

'The area of the pumping station is said to be 50 yds. by 50 yds. But it is probable that the area actually vulnerable is even smaller than this. The site is not very conspicuous. It may therefore, be assumed that an aimed attack on this pumping station is unlikely, and the target too small to afford reasonable chances of a hit to an aimed attack.

The docks about one mile distant are a far more attractive target, and the gasometers half a mile away are far more conspicuous. It may therefore, be assumed that the only probable danger is from casual bombing.

Bow creek runs through this area, and appears to be kept in place by training [corrected above to retaining] walls. The Northern Outfall Sewer crosses the area close by the station. An unlucky hit on either the training [question mark above spelling] walls, specially at high tide, or on the sewer would presumably also lead to serious flooding.

To sum up, the pumping station is small and not very conspicuous. It is not far from attractive targets, much easier to hit. It is therefore, only likely to be subject to casual bombing, and is only one of several vulnerable targets in the area.

A grant to install a duplicate pumping station here would almost inevitably lead to demands from other local authorities for grants to provide protection to other works almost equally important.

The cost of about quarter of a million pounds is prohibitive in itself quite apart from providing a precedent for other demands. Finally the work would take at least two years to complete according to Mr. Neilson's estimate, and would therefore come under the long term policy, when the matter has been further discussed.

In our opinion no more protection is required than is suggested by Colonel Bird. The chances of a direct hit seem to be small, and this risk must be taken' (HO 207/930 1939).

As war in Europe progressed, the sewer system was given more consideration. In June 1940 the Co-ordinating Officer of Repairs Parties, T. Peirson-Frank wrote to the Regional Headquarters for the London Civil Defence Region, outlining the importance of a healthy water supply and acknowledging that flood prevention was a serious matter.

'Consideration is being given to the interruption of military communications which might occur if roads became flooded owing to damage caused to pumping machinery by enemy agents. The possible reaction on public health in such circumstances is also significant.

From this point of view, pumping station vary widely in vulnerability and importance and I have been asked to obtain information with regard to all sewage pumping stations in the London Civil Defence Region in order to provide the authorities with data. A proposal that in certain cases, to be selected by the Regional commissioner, Local Authorities should be allowed to form Local defence Volunteer units from their own personnel for the protection of their own pumping stations is at present under consideration.'

# The reply was as follows

'As arranged with you, the Co-ordinating Officer Repair Parties London Civil Defence Region sent a questionnaire to 41 local Authorities in the London Region...Replies have been received, dealing with 71 pumping stations. These have been reviewed in conjunction with the Co-ordinating Officer, and a list is attached showing those stations which if damaged might casual interruption of military communications...These stations have been grouped in three categories;-

Primary Importance

Secondary Importance

Relatively unimportant

In these categories Public Health considerations have not been brought into account' (HLG 7/941).

On the 7 September 1940, the Blitz began.

'At six minutes to five batteries across the capital received the word of 'many hostiles in SE coming in'. Minutes later they appeared. Shortly after the hour the gunners of 26 AA Brigade in the eastern IAZ began to report heavy formations approaching along the Thames and swinging north up the Lea Valley' (Dobinson 2001, 231).

#### **Date** Incident

7th September 1940 HE bomb hits Northern Outfall Sewer near Upper Road

8th September 1940 HE bomb hits Northern Outfall Sewer at rear of Emma Road, but does not detonate

9th September 1940 HE bomb hits the sewer embankment between Upper Road and

#### London Road

10th September 1940 HE bomb hits Northern Outfall Sewer near Corporation Street
 17th September 1940 Incendiary bomb hits Northern Outfall Sewer near Marshgate Lane
 23rd September 1940 HE bomb hits Northern Outfall Sewer viaduct over L.M.S. Railway on Upper Road

24th September 1940 Northern Outfall Sewer is hit three times: at 04.32 an HE bomb hits the sewer bank at Abbey Lane but does not explode; at 05.27 an HE bomb hits the sewer at Abbey Lane but does not explode; at 09.24 four HE bombs hit the sewer at Corporation Street but do not explode

20th October 1940 HE bomb hits Northern Outfall Sewer at 00.42; Abbey Mills Pumping Station is hit by an HE bomb at 08.20

8th November 1940 HE bomb hits Northern Outfall Sewer near Abbey Lane

20th March 1941 An incendiary bomb hits the Northern Outfall Sewer near Abbey Lane

11th May 1941 HE bomb hits Northern Outfall Sewer directly

Table 4 Northern Outfalls Sewer incidents in West Ham

In December 1941 the London County Council contacted the Chief Administrative Officer for the London Civil Defence in regards to the type of upkeep and repair needed for the Northern Outfall Sewer as it had become obvious that it was an inadvertent target for German bombers:

'Sir,

I have to refer to the council's letter dated the 28<sup>th</sup> August 1941, Mr Perriman's reply (LR.346/62) dated 12<sup>th</sup> September, 1941, intimating that expenditure on the construction of certain additional connections, etc., on the main drainage system north of the River would be recognised for grant under the Air Raid Precautions Act, 1937. The investigation mentioned in the council's letter into the question of providing more means of diverting the flow from main and intercepting sewers has now been completed as far as this side of the river is concerned, with the exception of the problem of the vulnerability of the low-level sewers crossing the River Lee and its tributaries which is still under consideration.

The completion of the present scheme includes proposed connections at Goldhawk Road, Shepherds Bush; Shepherds Bush Road; Upper Addison Gardens; Grove Road, Bethnal Green; Caledonian Road, Islington and Ludgate Circus, and the construction of two diversions chambers on the northern outfall sewers between Abbey Mills pumping station and High street, south, East Ham.

The necessity for these chambers was evident during the raids of 1940/41, and the carrying out of permanent repairs to the sewers then damaged will afford an opportunity for their construction. The cost of the works enumerated above is estimated at £9,500 and in view of the proved value of the connections already completed in reducing flooding consequent upon enemy damage to the sewers, the Council is of opinion that the scheme should be put in hand. Owing to simplification of some of the schemes found possible after opening out the work, there has been a saving of £850 on the sum of £8,350 already approved for grant purposes. I am accordingly directed to you for an assurance that the expenditure of £8,650 for this purpose will rank for grant under the Air Raid Precautions Act, 1937' (HLG 7/942, C.D.28.11 1941).

The concern surrounding the sewers was not unfounded, given the problems that had previously hampered London before the installation of the sewers, it was sensible course of action for the London County Council's chief engineer's department to contact the Ministry of Health.

'In a letter dated the 19<sup>th</sup> December, 1941, to the Chief Administrative Officer London Civil Defence Region, the Clerk of the Council mentioned that the problem created by the vulnerability of the low level sewers crossing under the River Lee and its tributaries was still under construction. The problem has now been investigated.

The sewers are concerned, two of which carry the whole of the low level dry weather sewage and some storm water to Abbey Mills Pumping Station; the third sewer carries storm water only. All of the sewers have only a small cover under the beds of the rivers and are, therefore, extremely vulnerable to damage by bombs.

If the extent of the flooding, which would take place if one of the sewers were damaged is to be minimised certain works will have to be carried out. The measures proposed include-

- (a) Alterations to 3 No. existing penstocks at Turners Road, Stepney, and 1 No. penstock at Bromley to enable them to be operated above flood level to isolate the damaged sewer.
- (b) The construction of a connection between the low level sewers at Turners Road to divert the normal flow.
- (c) The construction of a connection between the Hackney to Abbey Mills

  Sewer and the Wick Lane Branch sewer at Bow Road to divert the

  normal flow.
- (d) The installation of flaps in the Hackney to Abbey Mills, the Wick Lane

  Branch and the Isle of Dogs Branch sewers to prevent flooding back of river water.
- (e) The raising of walls and other work to prevent flooding from the tops of penstock and screening chambers and manholes at Abbey Mills Pumping Station.
- (f) The installation of dams and the strutting of existing division walls in screening chambers at Abbey Mills to isolate the damaged sewer'

(HLG 7/942, LN/GEN/4011-10A 1942).

#### 2.2.10.2 Post-war

The most significant blueprint for the post-war future of West Ham and in turn the Northern Outfall Sewer was the Greater London Plan, prepared by Sir Patrick Abercrombie on behalf of the Minister of Town and Country Planning (HLG 71/144).

Abercrombie divided the Greater London area into four concentric rings: Inner Urban, Suburban, Green Belt and Outer Country and aimed to decentralise both industry and population from Inner London, under controlled conditions, to defined concentrations in the two innermost rings and to a network of New Towns that were to be built in the outermost zone. Abercrombie regarded the Lea Valley itself as an opportunity 'for a great piece of constructive, preservative and regenerative planning' (ibid: 10). He proposed that large areas of open land in the Lea Valley, including the areas between Walthamstow and Enfield and the entire stretch between Hoddesdon and Hertford, should be 'welded into... great regional reservation[s]-[where] no open land, whatever its present use should be built on' (ibid: 11). Above 'Stratford Road' (presumably Stratford High Street) Abercrombie suggested that established open areas, such as the allotments and playing fields of the Hackney Marshes, should be preserved within their present boundaries, and that any future development should be restricted to those areas that were already industrialised. The plan proposed a network of recreational open space flowing out from, the centre of the city so that "it becomes possible for the town dweller to get from doorstep to open country through an easy flow of open space from garden to park, from park to parkway, form parkway to green wedge and from green wedge to. Green Belt" 121. It was described as a Park System. Abercrombie also proposed the figure of 1.62 ha (4 acres) of open space/1,000 people as a target for the County of London. The National Playing Fields Association first proposed an open space standard in 1925. At this point the Northern Outfall Sewer was in use and had not been re-developed, maps at the time still refer to it as the Northern Outfall Sewer.

In 1965 the Greater London Council (GLC) was created; replacing the London County Council, which controlled the sewer system connecting the outer suburbs of London to Central London changed. The Greater London Council covered the counties of London and most of Middlesex, plus parts of Essex, Kent and Surrey, a small part of Hertfordshire and the County Borough of Croydon, County Borough of East Ham and County Borough of West Ham.

The GLC was responsible for running strategic services such as the fire service, emergency planning, waste disposal and flood prevention. It shared responsibility with the London boroughs for providing roads, housing, city planning and leisure services. Under the 1963 Act, the GLC was required to produce a *Greater London Development Plan*, which was based on the original suggestion proposed by Abercrombie in 1944. The plan included in its wide ranging remit: population changes, employment, housing, pollution, transport, roads, the central area, growth and development areas, urban open spaces and the urban landscape, public services and utilities and planning standards. However the Greater London. Development Plan of 1976 did not support Abercrombie's proposal for interconnected open spaces, or the target of 1.62 ha (4 acres) of open space/1,000 people. Instead the GLDP open space plan was based on an open space hierarchy.

In 1983 the GLC published a study report which recommended *A Pedestrian Network for Central London* be created. The report pointed out that: "compared to the centres of other large European cities, recent improvements in London have been relatively modest." Approximately 60% of commuters walk between their British Rail terminus and place of work. The GLC published its Draft alterations to the Greater London Development Plan in the same year, introduced the idea of planning for nature conservation in London.

The DoE Strategic Planning Guidance of July 1989 endorsed LPAC's Strategic Planning Advice for London of October 1988 by supporting the MGB and MOL classifications. The DoE urged the Boroughs to "consider the valuable role of green chains". They can cross Borough boundaries and play a useful part in the urban environment by providing extended pathways for the public and wildlife corridors in natural surroundings" 181. This was the most important official policy statement on open space planning in London to have been made since 1976 and has had a significant effect by encouraging the Boroughs to plan for green chains and wildlife corridors.

This would lead to the 1990 Strategic Open Space Plan which was based upon information collected by the London Borough of Enfield, in 1987, for the LPAC Green Issues Working Party and gave an overall picture of London's MGB, MOL and Green Chains.

The Metropolitan Green Belt was described as being the boundary of the Green Belt , which at the time was in flux due to road, housing or industrial developments. Whereas the designated areas of Metropolitan Open Land were increasing in importance and need due to purchasing for development. However the only Green Chain in existence at the time was situated in South London and compromised of three main elements:

- (a) A series of open spaces, forming a Green Chain, which have been designated as Metropolitan Open Land.
- (b) A linking walkway, known as the Green Chain Walk, which is signposted through the open spaces and also through the urban areas which "interrupt" the flow of open space.
- (c) Areas of built development are included within the designated area of the chain because further development could create opportunities to enhance the green chain.

The survey revealed that were 132 miles (212 km) of existing footpath and proposals for a further 207 'miles (333 km), of which 112 miles (180 km) will be riverside walks, the Strategic Open Space Plan aimed to provide a total of 339 miles (545 km) of pathway. It was envisaged that when the connections in the network were made, it would be possible to traverse London from east to west and from north to south without the need for a map and with minimal exposure to road traffic.

In 1991 the Green Strategy for London was initiated following 1990 Strategic Open Space, the strategy based its recommendation around three main points

- (i) recreation, generally informal in character,
- (ii) nature conservation,
- (iii) non-mechanised (pedestrian and cycle) transport.

It is recommended that London should have a series of overlapping networks: for pedestrians, for cyclists, for equestrians, and for flora and fauna. There should also be a network of accessible water-space, and plans for its development. Again the Abercrombie plan of a "a park system" was mentioned. Although the proposal entailed separate networks, which could come together in parks where space is available, and would animate and revitalise underused open spaces. It was after a speech by Lord Strathclyde in which he poked fun at the London Borough of Newham for what was called the 'Northern Outfall Sewer Walk' on the plan accompanying the Green Strategy for Newham that initiated the present Greenway. The Design of the Greenway was by Land Use Consultants.

# 3 Development and function of the structures

The archaeological building recording was aimed at recording the Northern Outfall Sewer (OL-02507) and associated structures the Greenway Bridge over the River Lea (OL-02207), Greenway Bridge over Marshgate Lane and Pudding Mill Lane (OL-02307), Pedestrian Subway (OL-04107), Abbey Lane Pedestrian Bridge (OL-04507), Pedestrian Bridge Spanning the Channelsea River (OL-04607), and Pedestrian Viaduct of Outfall Sewer (OL-04707) in the context of their original function and their subsequent alteration.

#### 3.1 OL-02507: The Northern Outfall Sewer overall

The Northern Outfall Sewer is a section of the Main Drainage System originating at Hampstead Hill and routed past Kentish Town and Stoke Newington, then under Victoria Park to the Abbey Mills Pumping Station. A photographic record was made as per the relevant Written Scheme Of Investigation (MoLAS-PCA 2007j), and the commentary below draws on and contextualises that record.

At certain places along the route the sewer has been raised as much as thirteen metres above ground level on earthen embankments (Figure 9). Today, the remaining section of the Northern Outfall Sewer carries the sewage from Abbey Mills to the main treatment plant at Becton.

The section which crosses the Olympic Park is approximately 4.5 miles long, stretching from Wick Lane, Bow to Becton (Figure 10). The sewer has been landscaped to form a public footpath/cycleway called 'The Greenway' with access points, composed of concrete cycle ramps and stairways, at various points along its length, and utilising signage made from original metal sewerage pipe components.

The Northern Outfall Sewer was constructed in 1862-3, with G. Furness as the chief contractor. The contract was signed on the 9<sup>th</sup> November 1860, and Furness paid £625,000 for his work (Figure 11). It was agreed that:

'The sewers [were to be] constructed [from] brickwork, the invert and side walls up to the springing of the arches to be in Portland cement, and the remaining portion in Roman cement, to be covered and enclosed in an embankment, but where they cross over rivers, streams or railways, they are to be carried by means of cast or wrought iron bridges and brick culverts' (MBW 2421/12/3:3).

Originally the 'length of the sewer, was to be constructed from brick arches... covered by well-tempered clay puddle measuring twelve inches in depth, [with] spandrels and sidewalls...constructed one foot below the top of concrete slopes', which in turn would form the basis for the embankments (MBW 2421/12/3:4) (Figure 12). The embankments were to be constructed from dry rubbish and gravel measuring forty feet wide, with an incline of '1½ to 1' and finishing two foot six inches above the brickwork arches. Ditches were to be dug either side of the north and south embankments, measuring three feet six inches wide by one foot six inches in depth (Figure 13).

Airshafts and side entrances to the sewer were to be placed along the whole length in order to prevent gas build-up. The airshafts were to have cast iron gratings bedded into each shaft in order for them to be flush with the footpath. Within the airshaft wrought/cast iron girders were to be built into the brickwork of the shafts ascents and sidewalls. The side entrances were to have cast iron flaps [doors] and three inch thick tooled York stone flooring, which

was to be bedded in cement. Joists were to be flushed up and painted with cement (MBW 2421/12/3, 5-6). The sewer consists, structurally, of two culverts constructed from semi-circular crowns with segmental inverts each measuring 9 ft by 9 ft, connected via the use of expansion joints (Figures 14, 15, 16, 17 and 18).

The majority of the bridges and viaduct superstructures carrying the carriage and footways were to be independent of the substructure, resting on its main girders (Figure 19). Along the entire length of the Northern Outfall Sewer iron fences were to be erected (Figure 20).

At the time of the Northern Outfall Sewer's construction, the land between the River Lea and the Pudding Mill River contained reservoirs and feeder channels belonging to the East London Waterworks Company. The bridge constructed to span the feeders would [measure] 12 ft [in length] over foundations of two abutments and a central pier. The above retaining walls would be of different lengths due to the skew of the bridges, and would be topped with Bramley Fall Stone copings. All brickwork piers, abutments, retaining walls and passages were to be constructed from stock brick and Portland cement. Arched openings situated underneath bridges were to be built within the retaining walls on either of the bridge measuring 8ft high and 5ft wide, with arched passageways in between which were to be constructed from brick inverts and vertical walls (MBW 2421/12/3: 23) (Figure 21). 'The roadway above the sewers is to be supported independently over the ... spans upon three wrought iron plate girders, carrying cross beams of cast iron, which in turn support cast iron road plates, upon which the road material is to be laid' (MBW 2421/12/3: 20) (Figure 22).

As can be seen in the 1867-69 and 1894-96 OS maps, the footpath along the Northern Outfall Sewer was narrower than it is today, as at the time it contained two sewer pipes along most of its length (Figure 23 & 24). The Northern Outfall Sewer had to be expanded in order to cope with the increased demand and usage in 1904-5, when it gained an extra pipe on its northern side. The new, broader sewer can be seen in the 1913-14 OS map (Figure 25) (Plate 7).

World War Two, in particular the years 1940 and 1941, saw West Ham subjected to a sustained period of bombing. The structure was struck and damaged twelve times during the months of September and October. As result of this, extra dam doors were added to the penstock chambers (see glossary) situated along the entire length of the sewer, as can be seen in Figure 26. (Figure 26).

No major changes to the Outfall Sewer were made. As can be seen by Figures 28 and 29 the dimension of the sewer had not changed significantly by 1975, the only alterations made to it were minor and associated with maintenance of the system. By the 1980s the Northern Outfall Sewer was used an unofficial footpath and cycle path (Plate 8) made into the Greenway as part of the Green Strategy for London, as such new signs and way-markers were added to the pathway.

## 3.2 OL-02207: Greenway Bridge over the River Lea

The Bridge over the River Lea carries two high-level sewer pipes over the River Lea, and is the start of the Northern Outfall Sewer network in the Olympic park area (I.C.E. minutes, vol. XXIV 1865, 296). A photographic record was made as per the relevant Written Scheme Of Investigation (MoLAS-PCA 2007f), and the commentary below draws on and contextualises that record.

It was originally built by G. Furness as part of contract number 12, during the initial phase of construction between 1862 and 1863. A temporary cofferdam was constructed, which

ensured that the correct foundation depth was achieved, and infilled with concrete. Two towing paths were constructed underneath, 'to be carried by five cast iron cantilevers and girders to be built into the brickwork, with blocks of Bramley Fall Stone' (MBW 2421/12/3 6). The floor of the towing paths was to be constructed from four-inch deal planks fixed onto twelve six-inch bearers. The supporting dwarf wall and piers of the bridge were built from Bramley Fall Stone. The spandrels of the bridge were to be infilled with concrete and 'brick parapet walls [were] to be carried up on either side of the roadway' and included a moulded stringcourse and coping of Bramley Fall Stone (MBW 2421/12/3: 6).

The bridge itself consisted of one central and two external girders, two wrought iron sewer tubes with a superstructure of carriage and footway. The sewer tubes were to consist of 270 wrought iron plates measuring four foot by nine inches long, and either ¼ of an inch or 3/16ths in thickness; 'The horizontal and vertical joints of the plates are to be built, and...covered externally by plate iron, angle iron, or T iron covers, according to their position' (MBW 2421/12/3: 9) (Figure 30). The girders were constructed from a top and bottom beam measuring two feet wide with interior Yorkshire or Staffordshire rolled plates forming booms, nineteen feet in length. The superstructure of the carriage and footway was to be independent of the substructure and as such had different requirements. The footway would rest on the main girders of the substructure and would consist of tooled York paving with kerbed Aberdeen granite. 'The roadway for the whole length of the parapet walls of the bridge and abutments [were] to consist of 3 inch dressed Aberdeen granite cubes 7 in deep' (MBW 2421/12/3: 20).

The contract plan from 1860 shows that the main owner of the land to the east and west of the River Lea was the London Waterworks Company at the time of purchase. A plaque on the south elevation of the bridge states that the bridge was property of the Metropolitan Board of Works and was constructed in 1862-3 and lists (among others) Joseph Bazalgette as its engineer. The OS map from 1867-69 clearly shows that the first bridge was narrower than its present incarnation, and had raised footpaths on both the north and south sides (Figure 33). An 1893 elevation shows the style of guard railings on the towpath at the time; unfortunately, they are no longer in evidence, as they were removed during the 1930s upgrade works which were carried out to all of the Stratford Back Rivers and the River Lea (Figure 34).

The OS map of 1894-96 (Figure 35) shows little change in the dimensions of the bridge itself, but it does show that the East London Waterworks feeder channel, to the east, has been infilled, and the pathway on top of the sewer embankment on the east side of the River Lea has been widened.

Figures 36 to 38 show in detail the effect on the bridge of the 1904 expansion of the sewer from Old Ford to Barking. The bridge was expanded to accommodate the new pipes. Figure 38 shows the difference in construction styles between the supporting piers for the old and new parts of the bridge.

The Ordnance Survey Map of 1916 shows that the bridge has been widened, accommodating two additional sewage pipes on the north side (Figure 39). The next OS map, from 1948, shows that the general dimensions of the bridge have remained the same; however, the footpath running to the east and west of the bridge along the sewer embankment is significantly narrower (Figure 40).

It was at some time between these dates that one pillbox and four anti-tank blocks were constructed on the sewer embankment at the western end of the bridge. These are still in situ and are discussed in a separate report: 'World War II defences: within and extending from the former Manor Garden allotments and on the Northern Outfall Sewer bridge over the River Lea' (MoLAS-PCA, 2008). The structures formed part of the 'defensive stop

ring' around London, although they do not appear on any Ordnance Survey Map until 1991 (see Figure 3). The concrete blocks of the tank trap structure contained sockets in their north and south elevations, into which metal bars could be inserted to form a linear obstacle. These bars were not continually in situ, but were intended to be slotted into place when the alarm was raised. The ground around the tank trap would also have been mined and the barrier covered by defensive fire from the pillbox. The presence of these defences on the sewer reflects a fear during wartime that the embankment of the sewer formed a direct route into the heart of London, vulnerable to use by the enemy.

By the 1960s the bridge had reduced slightly in width to the current dimension, losing some breadth from the south side (Figure 41). A possible explanation for this is that the pumping station at Old Ford had recently been demolished (it is visible to the south-east of Old Ford Locks in the 1948 map); in 1904, along with the sewer pipes, electricity cables were installed over the bridge and through the embankment to supply the station, but with the station gone there was no reason for the cabling to be retained.

In the 1970s Thames Water took over the management of the Northern Outfall Sewer and its associated structures, but this did not result in any significant changes to the bridge.

# 3.3 OL-02307: Greenway Bridge over Marshgate Lane and Pudding Mill Lane

An 1855 property register provides the first mention of the bridge over Marshgate Lane and Pudding Mill Lane, in relation to areas purchased by the Metropolitan Board of Works in advance of the Northern Outfall Sewer's construction. The record was made as per the relevant Written Scheme Of Investigation (MoLAS-PCA 2007e), and the commentary below draws on and contextualises that record.

In total, seven plots of land had to be purchased in order to construct the bridge. The largest landowner was the East London Waterworks Company, which owned several reservoirs in West Ham and two in the immediate area. The other owner mentioned in connection with the land around the bridge is Mr. John French (although on the Contract plan the owner of the land is stated as being Mrs. Mary French and Mr Robert Thomas Mawley, who were paid £1,050 for their plot). The board's responsibilities, as stated in the remarks column, were to 'provide a way for foot passengers, vehicles, etc across the sewer embankment to land either side belong to the [East London Waterworks] Company' and 'to make and maintain an opening of not less than 12 feet span with 9 feet head way clear and to lower the roadway to carry it under the sewer with a gradient of not more than 1 in 20' and 'to maintain a fence or wall' (LRB/LD/C/130/2, 24).

At the time of construction, Pudding Mill Lane was the southern extent of the Pudding Mill river, as can bee seen in plate 9 the north-east bank of the river is still in place.(Plate 9)

By 1908 the Pudding Mill River was hopelessly blocked by silt along most of its length, and must have been impassable to shipping. The 1891 scheme had proposed that a new cut be made at the junction of the Pudding Mill River and the Lea, whereby the north-eastward curve at the top of the former would be infilled and a new cut made continuing the alignment of the river towards the Lea. The proposal was resurrected in 1908, and again in 1912 although it had still not been carried out by 1916. The 1908 plans were accompanied by a specification for timber piling to be used in the construction of the new cut. It is doubtful whether the long-planned cut was made much before work took place on the nearby Pudding Mill Lock in c1922, although it is likely that the 1908 specification was observed. The banks of the of the Pudding Mill above the Knobshill Cottage footbridge were subject to rebuilding under the 1930 Flood Relief Act, this did not include major any major alteration to the bridge

Between Knobshill Cottage and St Thomas' Mill the London Power Company effectively canalised both banks of the Pudding Mill in order to improve the ingress of water into the cooling system of the Bow Generating Station on Pudding Mill Lane in c1928 (Figure 32). This was a major programme of works that entailed the narrowing of the channel to 22', in order to maintain a mean water level of 10.32' above Ordnance Datum the length of the waterway above the new intake, which was built a short distance to the south of the G.E.R. bridge. New banks were constructed behind interlocking reinforced concrete piles, consisting of intermediate sheet piles of 1' x 6" x 14'3" which were interleaved every sixth pile with 1' x 6" x 16'3" anchor piles, in turn tied into the bank with steel ties anchored in concrete blocks where necessary. Above the piles, reconstructed earthen banks sloped back towards the road and pathway on either side of the river

The OS map of 1867-69 is the first to show the bridge over the Pudding Mill River and Marshgate Lane, which is significantly narrower than its current form. The surrounding area is occupied by meadows on the south side of the sewer, whilst to the north are fields and industrial activity in the form of a Tar and Turpentine Distillery (Figure 42). By the time of the 1894-96 OS map (Figure 43), all the open land on the north side of the bridge had been built over by industrial works. To the south was a secondary bridge over the Pudding Mill River, which had been narrowed through a combination of silt and pollution build-up. This narrowing is also evidenced in a 1905 plan showing the sewer crossing the river (Figure 44).

In the same year, the London County Council's Property Register (LRB/LD/C/130/2) contains entries concerning the sale of land in the Marshgate Lane area from 4 owners to the LCC; Henry Joseph French who owned 'Private Road and Land (Pudding Mill Lane)', 'River and Banks (Pudding Mill River)', belonging to the Conservators of the River Lee, and belonging to the West Ham Corporation, 'Public Street (Marshgate Lane)', belonging to the West Ham Corporation, and fourthly, 'a piece of land on which is erected part of a Coach house and stabling situate, Harris's Soap works, 22 Marshgate Lane and easements on the right to conduct and maintain the sewer over part of private road way situate Marshgate Lane'.

The remarks column shows the '11/2/04 Grant by H. J. French to LCC of a perpetual right to conduct and maintain in, over and upon Pudding Mill Lane and the adjoining land the bridge carrying the two additional sewers together with piers and abutments. The Council to lower Pudding Mill Lane so as to give 9ft under the bridges & make up roadway northwards so that gradient shall not be greater than 1 in 18'. This grant relates to the 1904-5 expansion of the Northern Outfall Sewer, to increase its carrying capacity. Two additional pipes were added to the north side of the existing sewer, entailing the expansion of the bridges which carried it over roads and rivers.

The next OS map, of 1913-14, confirms the expansion of the sewer, showing the bridge at its current width (Figure 45). After this date there is no change in the dimensions of the bridge, as from this point onwards the work undertaken was confined to maintenance (Figures 46 and 47). By the early 1970s there were plans to alleviate the Lloyd's Shoot area access problems. The plan was to construct a highway between Pudding Mill Lane and Marshgate Lane, which meant culverting the southern stretch of the Pudding Mill River. At this point, the question of ownership of the Pudding Mill River bed came to the fore. If the waterways were natural they belonged to the Crown, but if they were the result of artificial excavation they did not. A letter from the London Borough of Newham to the Crown Estate Commissioners outlines the confusion which surrounded the waterway and showed that competing interests were causing problems:

'The commissioners' claim that the river bed is vested in the crown is based on the contention that he river is tidal and some evidence to this effect was produced by you at the meeting in the form of an Ordnance Survey Map thought to be dated about 1930 whereon were shown Mean High Tide levels. You also submitted that the bed of a tidal river the flow of which was altered by artificial means remained vested in the Crown and that even if the works which are understood to have been carried out to the Pudding Mill River in the 1930s had significantly altered the tidal flow this was irrelevant so far as the question of legal ownership of the river bed was concerned.....the view of the council's officers, which appears to be supported by the Lee Conservancy Catchment Board's officers, is that the river is not at the present time a regular tidal watercourse, although it is possible that it was the effect of works which had resulted in this situation. On the other hand there did seem to be some reason (the title of river, for instance) for suggesting that the river was artificially constructed in the first place' (CRES 64/40).

The issue was resolved in 1973, in favour of the Newham Borough Council, and the construction of the Pudding Mill River culvert and highway took place in the same year. (Plate 10)

# 3.4 OL-04107: Pedestrian Subway

The first reference to the subway is in an 1855 property register of areas purchased in advance of the Northern Outfall Sewer's construction. The site of the subway is described as 'pasture land, yard and buildings, parts of back gardens and part of yard of chemical works'. The record was made as per the relevant Written Scheme Of Investigation (MoLAS-PCA 2007k), and the commentary below draws on and contextualises that record.

The owners of the land were 'The Mayor and Commonalty and Citizens of the City of London, Trustees of the Bridge House Estates; William Patrick Adam and the Most Honourable Henry Charles Keith Marquis of Lansdowne, two of the lords Commissioners of her Majesty's Treasury, John Blosset Maule and Henry Baldwin Raven'. The intention of the Metropolitan Board is stated in the remarks column as 'to make and maintain a way (with a headway of 9 feet and a width of 12 feet) through and over the land conveyed to provide communication with the landowners either side' (LRB/LD/C/130/2, 25).

The contract plan from 1860 (see Figure 11) confirms that a 'Cart Road [was] to be diverted and carried under sewers on East side City Mill River' (MBW 2508\_03). The OS map of 1867-69 (Figure 48) show that the surrounding area to the north of the embankment was mainly pastureland, with no cart road present. By 1894-96, the OS map (Figure 49) shows that a road has now been constructed, as per agreement, and appears to pass beneath the sewer. It is likely that this phase of the subway survives as the brick-roofed southern half of the present structure. The enlargement of the sewer on the northern side took place between 1904-05, and the metal-roofed northern half of the present subway represents an extension of the original structure, dating to this phase. The 1913-14 OS map (Figure 50) shows the subway is in its present form.

A photograph of 1930 (Plates 11 and 12) reveals that by that time, the land to the north of the subway was used as a 'shoot', a term meaning rubbish or dust dump. However, by the time of the 1948 OS map (Figure 51) there is no sign of the dust shoot. A ramp appears to have been added to the north of the subway, flanked by embankments rising to a higher surrounding ground level. This higher ground level is likely to be a result of rubbish dumping followed by landscaping, indicated also by the shallowness of the sewer embankments in comparison with those of 1913-14.

The 1960s-70s OS map (Figure 52) reveals further landscaping. The ramp leading up from the northern side of the subway has been extended into a path leading beneath the Great Eastern railway line to the north-west and connecting with the City Mill River towpath.

In 1974 Thames Water took over the management of the Northern Outfall Sewer (see Figure 14) and have maintained it, and its associated structures, since. This has had no material effect on the subway.

## 3.5 OL-04507: Abbey Lane Pedestrian Bridge

The first reference to Abbey Lane Pedestrian Bridge is in an 1855 property register of areas purchased in advance of the Northern Outfall Sewer's construction. The record was made as per the relevant Written Scheme Of Investigation (MoLAS-PCA 2007g), and the commentary below draws on and contextualises that record.

The two areas purchased in relation to the construction of the bridge were described as 'Meadow land adjoining Abbey Mill Lane' and 'Roadway Abbey Mill Lane (Manor Way Road)'. Both plots of land were purchased in 1863 from 'The Mayor and Commonality and Citizens of the City of London, Governors of Christs Hospital'. The meadowland plot was to be utilised as a 'site of [the] sewer and embankment' and 'Roadway carried and sewer carried under' (LRB/LD/C/130/2: 34). The contract plan from 1860 (Figure 53) confirms the position of the bridge and shows technical details of its construction (MBW 2508 03).

The OS map of 1867-69 (Figure 54) shows the viaduct in place, although narrower than its present form as the sewer has not yet been expanded. It is surrounded by marsh and meadowland, and no structures other than the sewer itself are shown.

The OS map of 1894-96 (Figure 55) shows the bridge unchanged but for a slight retraction in the embankment and the addition of two sets of access steps, the one to the north later to become Greenway Access Point 7 (see paragraph 4.2.2) (Figure 56). The surrounding area, however, has changed significantly, in a reflection of the rapid industrialisation of the area. Two gasholders associated with the West Ham Gas Company have been constructed to the north of the bridge, along with Abbey Mills Pumping Station to the south. Along the south side of Abbey Lane, a row of semi-detached houses has been constructed. These were built to house the workers of Abbey Mill pumping station, and remain to this day.

The 1913-14 OS map (Figure 57) shows the bridge expanded to its present dimensions, a result of the 1904-1905 extension of the sewer by two pipes on the northern side. The surrounding area has become increasingly populated, with housing now present on the south-western side of the sewer and a higher number of buildings within the West Ham Gas Works complex.

The map from 1948 (Figures 58) show some small changes to the form of the bridge. These relate to alterations in the sewer's internal mechanisms, which were improved and altered to ensure safety to water supplies and lower the risk of flooding as a result of a direct hit to the bridge in WWII (Plates 13-15). Rebuilding of the bridge took place in 1941, this is when the alterations and improvements to the system took place (Plate 16) A number of sections within the two south-western sewer pipes are stamped with dates from 1957 and 1958, which is consistent with the new safety regulations brought in the late 1950s and early 60s in regards to sewage plants, which would have been implemented by the 1970s (Figure 59).

## 3.6 OL-04607: Pedestrian Bridge Spanning the Channelsea River

The first reference to the pedestrian bridge spanning the Channelsea River is in an 1855 property register of areas purchased in advance of the Northern Outfall Sewer's construction. The record was made as per the relevant Written Scheme Of Investigation (MoLAS-PCA 2007h), and the commentary below draws on and contextualises that record.

In total, six plots of land had to be purchased or conveyed to the Metropolitan Board for the construction of the bridge and associated embankments. The plots of land were described as being 'Wharf and meadowland adjoining the Channelsea River', 'meadow land adjoining the Channelsea River', 'Land on the west bank of Abbey Creek', 'Abbey Creek', 'land lying between Abbey Creek and the Channelsea River' and 'The Channelsea River'. The plot owners fell into two groups and were listed as 'William Hewer, Charles Edmonds, Thomas, Askell, William Farrow Lawrence and Sarah his wife formerly Sarah Tucker (widow)' and 'Unwin Heathcote, Loftus Wigram Arkwright, Bernard Edward Broadhuset, Robert Fitz-Wigram, Baronet'. In return for the land, the Metropolitan Board was obligated 'to give a right of way with headway of not less than 12 feet under the sewer', and 'to make a flight of stone steps over or across the main sewer and to permit full use of a subway to be built under the main sewer' (LRB/LD/C/130/2: 35).

The contract plan of 1860 shows the proposed location of the bridge, and the 1867-69 OS map and an 1881 plan (see Figure 11, Figures 60 and 61) show the bridge having been constructed (MBW 2508\_03) (Plate 17). By the late 1890s, the OS map (Figure 62) shows the position of the 'flight of stone steps on or over the sewer' promised in 1855, although it is unclear whether these are original, and a set of steps associated with a path leading underneath the bridge, at which is the current Greenway Access Point 8 (see paragraph 4.2.2). A later contract plan from 1900 (Figure 63), which includes Abbey Lane Pedestrian Bridge to the north-west, shows the pedestrian bridge and access point, and shows the piers of the bridge in more detail; they land at the centre of the bridge, on the strip of land dividing Abbey Creek from the Channelsea. A picture from the same date reveals how different the Northern Outfall Sewer looked, in place are the footpaths, first mentioned in the contract with Furness, with a central earthen roadway (Plate 18).

Four years later, the addition of two extra sewage pipes to the Northern Outfall Sewer, associated extension of the bridge and the addition of campsheeting, a facing of planks and piles placed along the bank of a river, or in the case of the Channelsea the protective Dolphins on the south side of the bridge, to prevent erosion, are illustrated on a contract plan (Figure 64).

The 1913-14 OS map (Figure 65) shows the bridge in its extended form. A new flight of steps has been built at the west end of the bridge to the north side, but no replacement steps to the north at the east side have been built. This is probably because the plot is now a walled-off sewage pumping station. The rivers are now extensively choked by mud, the Channelsea reduced to a narrow trickle.

By the time of the 1948 OS map (Figure 66) the rivers are less choked, possible due to cleaning carried out during the programme of works to the Stratford Back Rivers in the 1930s. The bridge is little changed, and remains so on the 1970s map (Figure 67).

#### 3.7 OL-04707: Pedestrian Viaduct of the Outfall Sewer

The Viaduct carries the Greenway public footpath over Manor Road, the Woolwich Branch of the Great Eastern Railway, and the Jubilee Line of the London Underground. The record

was made as per the relevant Written Scheme Of Investigation (MoLAS-PCA 2007i), and the commentary below draws on and contextualises that record.

The first appearance of the viaduct dates to the 1860 contract plan, which states that the viaduct would contain three line of sewers (see Figure 11) (MBW 2508\_03). The 1867-69 OS map and a later 1881 plan show the bridge virtually identically, both indicating walls built up across both the north and south embankments and extending across the sides of the viaduct (Figures 68 & 69). The 1867-69 map indicates that the bridge had raised pavements at the north and south.

By the time of the 1894-96 OS map, an access point leading from Manor Road to the top of the sewer embankment has been added on the north side, immediately to the east of the viaduct (Figure 70). A picture from c.1900-01 reveals how south elevation of the Northern Outfall Sewer, little has changed in the appearance of the structure which compared to modern photos (Plate 19)

An entry in the London County Council Register of Property records that the south-east side of Manor Road was purchased for £17 on the 25<sup>th</sup> May 1906 for the purposes of widening the bridge to accommodate the Northern Outfall Sewer expansion. Two additional sewer pipes were to be added to its northern side in order to increase its carrying capacity. The 1913-14 OS map (Figure 71) shows that the 1904-05 extension of the sewer network has taken place, and the bridge has been widened to the north. The northern steps have gone, but steps, now known as Greenway Access Point 9 (see paragraph 4.2.2), have been added on the south side. The north flanking wall appears to have gone, but parts of the southern one seem to remain. A further set of rail tracks has been added to the west of the Woolwich Branch, possibly explaining why the northern side of the bridge has been extended in a 'skewed' form.

In the 1948 OS map (Figure 72); the viaduct now has its current dimensions, with little had changed by the 1970s (Figure 73) (Plates 20 and 21).

In 1974 Thames Water took over the management of the Northern Outfall Sewer and its associated structures and have maintained it since. This has had no material impact on the bridge.

# 4 The standing building survey

## 4.1 Methodology

All archaeological analysis and recording during the investigation on site was done in accordance with the *Written Schemes of Investigation* (MoLAS-PCA, 2007), the *Museum of London Archaeological Site Manual* (1994) and MoLAS *Health and Safety Policy* (2005).

The location and exterior of the structures was determined in outline on the modern Ordnance Survey plan. A plan of the Pedestrian Subway and Pedestrian Bridge Spanning the Channelsea River (Figures 72-80) and a photographic survey of all structures was undertaken. A written description of the structures' construction, development and function was also undertaken.

The site records comprise a total of 1682 digital colour photographic images, 9 site drawings, site notes and notes on the documentary evidence. No objects or samples were collected. The site records will be deposited and indexed in due course in the Museum of London archaeological archive under the site codes: The Northern Outfall Sewer: OL-02507; Greenway Bridge over the River Lea: OL-02207; Greenway Bridge over Marshgate Lane and Pudding Mill Lane: OL-02307; Pedestrian Subway: OL-04107; Abbey Lane Pedestrian Bridge: OL-04507; Pedestrian Bridge Spanning the Channelsea River: OL-04607; Pedestrian Viaduct of Outfall Sewer: OL-04707.

The following outline descriptions should be read in conjunction with selected photographs taken periodically during 2007 and plans (see Figures 72 - 80)

# 4.2 Description of the standing buildings

## 4.2.1 OL-02507: The Northern Outfall Sewer

The investigated area of the Northern Outfall Sewer begins in the London Borough of Hackney on the west bank of the River Lea, and heads eastwards through the London Borough of Newham, finishing in Beckton. This section of the sewer measures approximately 4.5 miles in length.

At the time of recording, the length of the sewer was covered by a grassed embankment with steep sides and a flat top, along which ran the Greenway footpath. The footpath was constructed of concrete slabs covered in modern bonded gravel surface which in places was suffering from wear caused by constant use by both pedestrians and cyclists (Plate 22). A previous tarmac surface was visible underneath the gravel-render in the areas where the damage was deepest.

Metal drain covers were visible at various points along the Greenway, which were set either into the footpath or the north and south embankments and are likely to be ventilation shafts. Most of the drain covers were modern replacements, but some appeared to be older in date; these were drawn and photographed (Figure 72 and Plates 23, 24 and 25).

The embankment had access points built into it at various points along the north and south sides, formed of steps, ramps or a combination of the two. Steps were constructed of poured concrete, timber or stone, and there were two types of ramp construction: poured concrete,

or a series of concrete slabs. Metal safety rails were present on all steps and ramps (Plate 26).

Along those sections of the sewer surrounded by residential housing, the access ramps/steps were paired and located opposite each other. In industrial areas, access ramps/steps were single and opened onto easily-accessible areas of public ground. There were nine access points in total along the investigated length of the Northern Outfall Sewer (paired ramps or steps being counted as a single access point). The features of the Northern Outfall Sewer, including its access points, will be described below, beginning at the western end and ending at the eastern. For ease of description, access points have been numbered.

Access Point 1 is located immediately east of the Greenway Bridge over the River Lea, on the south embankment of the sewer, and consists of one flight of steps and a ramp. The steps are constructed of concrete sleepers, and the ramp is covered with modern tarmac. Both ramp and steps have safety railings, which have been painted green and red (Plate 27).

Access Point 2 is located just east of the Greenway Bridge over Marshgate Lane and Pudding Mill Lane on the south side of the embankment, and consists of one flight of steps and a ramp. The steps are constructed of poured concrete blocks, while the ramp is of cement slabs. There is a metal 'Greenway' sign at its base. Both steps and ramp have greenpainted handrails (Plates 28, 29 and 30).

Access Point 3 is located immediately east of the Great Eastern Railway bridge over the Northern Outfall Sewer, on the south side of the embankment (Plate 31). It consists of one flight of steps and two ramps. The steps are constructed of concrete blocks with chamfered edges, while the ramp is constructed of concrete slabs; both ramps and steps have green and yellow-painted metal safety railings. Five pairs of motorcycle barriers constructed of yellow-painted metal tubing have been placed along the ramp, the top of which has a metal kissing-gate leading on the Greenway (Plates 32, 33 and 34).

Access Point 4 is located on the west bank of the Waterworks River, and is a paired access point consisting of two stairways and ramps, located one on the north side of the embankment, one on the south. The stairways and ramps are constructed of poured concrete slabs, the stairway slabs having chamfered edges. The safety railings alongside both pairs are constructed of metal posts with horizontal handrails, which have been welded as opposed to the riveting which is used on the handrails of Access Points 1, 2 and 3 (Plates 35, 36, 37 and 38).

Immediately east of Stratford High Street, on the south embankment of the sewer, is an original centrifugal pump from Bazalgette's Pumping Station, which has been relocated to the Greenway to add historic interest (Plates 39). Nearby, a gate set into original metal railings gives access to a small brick-built platform constructed from yellow stock brick in English bond. The platform is an access point to the sewer pipes below. At the bottom of the embankment is modern sewer outlet formed of a concrete cap and metal manhole cover (Plates 40, 41 and 42).

Access Point 5 is located on the eastern side of Stratford High Street and is on the north embankment. It consists of a single stairway constructed from poured concrete steps. Due to the steepness of the embankment two landings form part of the stairway's construction (Plates 43, 44 and 45).

Access Point 6 is located at the south-west corner of Abbey Lane recreation ground, on the south embankment of the sewer, and consists of one stairway and a ramp. The stairway is constructed from poured concrete blocks with straight risers and chamfered sides. The ramp contains three metal kissing-gates used as motorcycle barriers; one at the base of the ramp,

one at the midway point and a final gate at the top. Both ramp and stairway have safety railings, which have been painted in green and yellow (Plates 46, 47 and 48).

Access Point 7 is located to the north-west of Abbey Lane, immediately south of two Transco gasholders, on the north embankment of the Northern Outfall Sewer. It consists of a single stairway constructed from timber rail sleepers with pitch-filled indentations at the front of each tread to increase traction. Due to the steepness of the embankment, a timber landing forms part of the stairway's construction (Plates 49 and 50).

To the west of Abbey Mills Pumping Station, located on the south side of the Greenway embankment, an original centrifugal pump from Bazalgette's Pumping Station has been relocated to add historic interest (Plates 51, 52, 53).

Access Point 8 is located south-east of Abbey Mills Pumping Station on the north embankment. It consists of a single L-shaped stairway, the lower half of which is constructed of poured concrete, the upper half of which is constructed of stone sleepers set into poured concrete. A safety rail is only present on the east side of the stairway (Plates 54, 55 and 56)

Canning Road crosses over the Northern Outfall Sewer east of the Pudding Mill River. The east and west sides of the road have been marked with green and yellow signs, and have lockable gates (Plates 57 and 58).

Access Point 9 is located to the east of Canning Road on the south embankment, consisting of one stairway and a ramp, both constructed from poured concrete. Due to the steepness of the south embankment, a landing forms part of the stairway's construction. The ramp-way has one pair of motorcycle barriers set at its mid-point, a metal safety railing on the south side, and timber fencing on the north side at the base of the embankment. The base of the ramp converges with Manor Road, where a metal kissing-gate and Greenway sign have been erected.(Plates 59, 60, 61 and 62)

#### 4.2.2 OL-02207: Greenway Bridge over the River Lea

This bridge carries the Northern Outfall Sewer pipes across the River Lea (Plate 63). On the south elevation of the bridge is a metal plaque commemorating the opening of the sewer (Plate 64). The lower substructure on the east and west riverbank walls is constructed of yellow stock brick set in an English bond pattern capped with Bramley Fall stone sleepers (Plate 65). On the south side of the bridge are three Bramley Fall stone piers (Plate 66), while on the north side are three square piers constructed from yellow stock brick with Bramley Fall coping stones (Plate 67). Red metric bricks set in an English bond pattern with a single course of rowlock set capping bricks have been used to infill the four spaces in between the piers. The upper substructure of the bridge is composed of riveted steel plate sections forming the protective outer skin for two large sewer pipes. A date stamp marked 1992 indicates that there has been recent repair to the bridge (Plate 68).

On the Greenway, the foot and cycle path atop the sewer pipes, a pillbox and four tank traps can be seen just beyond the western end of the bridge. These are likely to date to c. 1942, although they do not appear on any Ordinance Survey Map until 1991 (Plate 69).

## 4.2.3 OL-02307: Greenway Bridge over Marshgate Lane and Pudding Mill Lane

This bridge carries the Northern Outfall Sewer pipes across Marshgate Lane and Pudding Mill Lane. The bridge's substructure consists of wrought iron riveted plates girders and section supported by three yellow brick piers and Bramley Fall stone abutments (Plate 70). Two styles of Bramley Fall stone copings and mouldings adorn both the piers and

abutments, the more ornate of which date to the earlier phase of construction, the less ornate of which date to the 1904-5 expansion of the sewer.

A board attached to the southern elevation of the bridge is thought to be the remnant of a plaque similar to the one present on the south side of the Greenway Bridge over the River Lea. The central brick pier has an original plaque attached at the north-east side, reading:

'Essex Sewers – This erection is placed on the Ancient River

Wall by permission of the court of sewers subject to all their

rules and orders. The owner is required always to keep the

surface of the Ground up to this STANDARD LEVEL' (Plate 71).

The central pier has a red brick structure at its base, on the western side of the Marshgate Lane footpath (Plate 72).

### 4.2.4 OL-04107: Pedestrian Subway

The Pedestrian Subway is constructed on a northeast-southwest axis, routing the north-eastern towpath of the City Mill River beneath the Northern Outfall Sewer. It is formed of two halves, structurally; the northern half has a metal roof structure, whereas the southern half has a brick roof structure (Plates 73 and 74). The southern half is likely to be original to the construction of the Outfall Sewer, while the northern dates to its 1904-5 expansion by two pipes to the north.

# 4.2.4.1 External description

The north elevation (Figure 75) is constructed of yellow stock brick set in English bond pattern, with grey/yellow fine mortar. The opening to the subway tunnel is flat-headed with an I-section iron lintel, over which is a single course of soldier bricks (Plate 75). Bramley Fall Stone sleepers with chamfered edges support the lintel. Water damage has affected both the brickwork and lintel above the subway, and to the west of the opening is an area of brick from which the facing has crumbled (Plate 76).

The south elevation (Figure 76) is constructed of yellow stock brick set in English bond pattern, with grey/yellow fine mortar. The mottled appearance and general state of the brickwork indicates that the south elevation is older than the north. The opening to the subway tunnel has a segmental brick arched head formed of five courses of rowlock bond brickwork (Plate 77). The eastern side of the opening has been partially obscured by a later concrete structure, which follows the line of the Outfall Sewer's southern elevation until it reaches the Waterworks River (Plate 78). On the western side of the opening are modern concrete steps which give access to the City Mill River (Plate 79). The cement has a high percentage of aggregate inclusions, which typical of 1930s Portland cement. The stair access to the City Mill River was constructed in the early 1930s as part of the Stratford Back Rivers scheme.

#### 4.2.4.2 Internal description

The southern half of the subway has a barrel roof constructed of yellow stock brick with grey/yellow mortar in stack bond pattern. The roof at the northern end of the subway is constructed from Larssen type steel piling (Plate 80). At the junction between the barrel roof type and the steel roof type at the midway point in the subway, a north-facing arch can be seen which has the same brick, mortar and bond pattern as the arched entranceway in the southern elevation. Only two brick courses of this were visible, as cement render and the

steel roofing hid the next three courses of brickwork from view (see Plate 81). This point marks the original northern entrance to the subway prior to the 1904-5 extension.

The roadway passing through the subway measures 2.5m wide, and has two footpaths located along the east and west sides, constructed from concrete slabs. At the south end of the subway are two modern drains located directly in front of both concrete footpaths (Plate 82). The west wall at the north and south end has drilled investigation holes (Plates 83 and 84).

# 4.2.5 OL-04507: Abbey Lane Pedestrian Bridge

The present bridge over Abbey Lane appears to date largely to the mid-twentieth century, incorporating some of the original structural elements. This is supported by the fact that the late-nineteenth century boundary wall of the Abbey Mills Pumping Station abuts the western end of the southern bridge abutment (Plate 85).

The bridge abutments at ground level are constructed from yellow stock brick with projecting stone copings, possibly former pad-stones associated with earlier sewage pipes (Plate 86). The bridge deck spans Abbey Lane and is supported by steel and reinforced concrete beams, which in turn support four steel sewage pipes constructed from bolted sections, visible below the bridge deck (Plate 87 and 88). Date stamps ranging from 1957 to 1958 were visible on a number of sections within the two western pipes, suggesting a reconstruction phase during these dates (Plate 89).

The parapet walls and buttresses have been rebuilt relatively recently, probably within the last forty years, and the sewer pipes and brick walls of the abutments under the bridge deck were recently painted white as part of a road improvement scheme (see Plate 89). The top of the bridge deck is used as the Greenway public footpath, and a set of access steps has been constructed on the eastern side of the bridge. Tarmac and gravel paths have been laid out along the bridge deck (Plate 90).

## 4.2.6 OL-04607: Pedestrian Bridge Spanning the Channelsea River

This bridge was built to carry the Northern Outfall Sewer pipes across the Channelsea River and is constructed on a northwest-southeast axis (Figure 77, 78, 79 and 80; Plate 91). The bridge deck, or superstructure, of the Greenway is covered with a modern asphalt surface. The substructure is constructed from sections of riveted steel plates forming the outer skin of five large sewer pipes (Plates 92 and 93).

The bridge's substructure is supported by four brick-built piers, one each at the east and west ends and two at the mid-point (Plate 94). The lower half of each pier is constructed of blue engineering brick and set in an English bond pattern. The upper half of each is constructed from yellow stock brick in English bond pattern, with Bramley Fall Stone capping blocks and a single string-course of blue engineering bricks (Plate 95). The north and south parapets of the bridge are decorative steel rails above which runs a decorative steel balustrade (Plate 96). Three concrete steps lead up to the north-east side of the bridge. Both south-west and north-east parapets have been fenced off in recent times, to a height of approximately 2.43m (Plate 97).

The south-west wall, visible from the bridge deck, is curved, following the line of the Channelsea River to the west. This is constructed of yellow stock bricks set in an English bond pattern and topped with Bramley Fall stone coping blocks (Plate 98). Running the length of the bridge's south-western side is a pipe encased in concrete, the casing for which is approximately 0.72m in height and 1.33m across (Plate 99). The north-east banking, visible below the bridge, is supported by a curved retaining wall constructed from yellow

stock brick set in an English bond pattern with Bramley Fall stone capping blocks. The western extent of this wall is abutted by 1930s concrete topped with chamfered black engineering bricks, which leads to a Greenway access point (Plate 100).

Both the south-eastern and south-western extents of the bridge have brickwork capped with a concrete band (see Plate 98). The wall on the north-east side of the bridge is constructed from concrete shuttered fencing and a series of concrete posts. The south-western side of the bridge perimeter is constructed from iron railings.

## 4.2.7 OL-04707: Pedestrian Viaduct of the Outfall Sewer

The bridge deck superstructure is supported by composite riveted steel girders, which form the outer 'skin' of five sewage pipes, constructed in sections and bolted together, spanning Manor Road and the Woolwich Branch railway line (Plate 101 and 102).

The bridge support piers and parapets are constructed of yellow stock bricks set in English bond pattern. The piers are topped with projecting Bramley Fall stone copings, whereas the parapets are topped with concrete copings (Plate 103). Two vaulted arches are situated on the northern side of the viaduct, between Manor Road and the railway line (Plate 104). The Northern Outfall Sewer is contained within the north and south earthen embankments.

On the southern side of the viaduct is a Greenway access point formed of a cycle ramp and concrete steps, with some ornamental planting on the embankment (Plate 74).

#### 4.2.8 Conclusions

The layout of the Northern Outfall Sewer has undergone only a handful of changes since its construction between 1858 and 1863. The most significant change was the widening of the sewer through the addition of two pipes at the north side in order to increase capacity, which took place in 1904-5. Some internal changes to the sewer and its functioning occurred during the Second World War, when it became target a due to its proximity to the River Lea, which was used as a navigable sign used by German pilots on their bombing raids. Externally, the location of access points along the sewer has changed over time as land usage had changed. The creation of the Greenway was the last addition to the Northern Outfall Sewer, which altered only the external appearance of the footpath and embankments.

The value of the Northern Outfall Sewer lies in its social and historical context. It is a reminder of the constant struggle to cleanse London of disease, which dominated the city throughout the Victorian period. It was during this time that cholera was finally recognised as a water-borne virus, rather than a disease spread by 'miasma'. The story of the battle to improve sanitation and control disease is told in ongoing medical, parliamentary and newspaper debates leading up to the construction of London's great drainage system.

The Northern Outfall Sewer stands as a reminder of the role which Stratford played in the evolution of London's sanitary substructure. Bazalgette's revolutionary system won the battle to keep sewage separate from drinking water. It is a testament to its quality that, in nearly 150 years of service, so few major alterations to the sewer have been necessary.

# 5 Potential of the Archaeology

# 5.1 Original research aims

The archaeological investigation has fulfilled the original research aims through the creation of a photographic, drawn and written record of the Northern Outfall Sewer and its associated structures. More documentary evidence, in the form of photographs and historic documents, may exist for the construction of the structures.

#### 5.2 New research aims

More documentary evidence relating to the construction, function and development of the sewer and its associated structures may exist at the London Metropolitan Archives, National Archives and the archives held by Thames Water. Location and investigation of these documents may mean it is possible to establish more precisely the nature of any small-scale alterations to the sewer over its history.

## 5.3 Significance of the data

Significance derives from factors that may be considered singly or combined (English Heritage 2007, 23-37):

- Evidential value: relates to the potential of a place to yield primary evidence about past human activity
- Historical value: relates to the ways in which the present can be connected through a place to past people, events and aspects of life
- Aesthetic value: relates to the way in which people derive sensory and intellectual stimulation from a place
- Communal value: relates to the meanings of place for the people who relate to it, and those whose collective experience or memory it holds.

It is clear that these factors all apply to the features and area under discussion in this report. In particular, the site as a whole has high evidential value, presenting a landscape that illustrates how the railway network both expanded to meet new requirements, and also influenced the spread of industry and the expansion of Stratford.

Significance is also assessed in terms of local, regional and national significance.

The structures are undoubtedly of significance to the history of the immediate locality, and are of significance in the context of sanitation improvements. The Northern Outfall Sewer's association with the Abbey Mills Pumping Station gives it importance not only locally but also for the whole of London. Given the significance of the Northern Outfall Sewer it is recommended that the plaques commemorating the original construction of the sewer which are present on most of the bridges spanning the Waterways of Stratford and the plaque present on the under side of the Marshgate lane and Pudding Mill Bridge either remain in place or retained in some form.

The archaeological remains are of regional significance as a record of the sewer's role in the alteration in sanitation and epidemiological beliefs held by, not only Victorian London but the rest of the western world.

# 5.4 Salvaged fixtures, fittings and materials

There was no archaeological requirement to salvage any of the materials or fittings during the compilation of this report.

# 6 Publication and archiving

The site archive containing original records will be stored in accordance with the terms of the Written Schemes of Investigation (MoLAS-PCA, 2007i, 2007j & 2007k).

Information on the results of the survey will be made publicly available by means of a database in digital form, to permit inclusion of the site data in any future academic researches into the development of London.

It is also recommended that the results of this recording and analysis are assimilated into a site-wide assessment of all archaeological interventions to assign contextual significance and further refine the importance of the archaeological survival, and thereafter assimilated into any publication discussing/disseminating the results.

# 7 Acknowledgements

The archaeological survey and this report were commissioned by the Olympic Delivery Authority, whom the project manager and author wish to thank. They are grateful especially to Nuttalls and Morrison, for facilitating access to all the areas and structures covered in this report, and to colleagues at Capita Symonds Ltd, both in and out of the field. The staff of Newham Local History Library, Tower Hamlets Local History Library, Hackney Archives Department, the London Metropolitan Archives and the National Archives all supplied documentary evidence.

Guy Thompson, Kari Bower and Helen Robertson conducted the archaeological research and analysis for the Northern Outfall Sewer and associated structures. The recording of the Northern Outfall Sewer, the Pedestrian Bridge Spanning the Channelsea River and the Pedestrian Subway was carried out by Helen Robertson, Kari Bower and Jim Heathcote. Tom O'Gorman and Stuart Watson carried out the recording of the Greenway Bridge over the River Lea and the Greenway Bridge over Marshgate Lane and Pudding Mill Lane. Emma Dwyer supervised the recording and analysis of the Abbey Lane Pedestrian Bridge and the Pedestrian Viaduct of the Outfall Sewer. Strephon Duckering, Edwin Baker and Maggie Cox undertook the photography. Jennifer Simonson and Mark Roughley carried out the CAD work. Alex Rose-Deacon managed the project.

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#### LONDON METROPOLITAN ARCHIVES

LRB/LD/C/130/2 Plan of Northern Outfall Sewer with accompanying London County Council Property Registers

# **London County Council Photo Library**

F243, Abbey Mills Pumping Station, Bridge, May 1941

F92, Abbey Mills Pumping Station, GV Bridge, March 1941

F93, Abbey Mills Pumping Station, Close-up of Bridge, March 1941

F95, Abbey Mills Pumping Station, View from top of Bridge, March 1941

F3265, Abbey Mills Pumping Station, Sewer over Road, March 1946

C1202, Northern Outfall Sewer, August 1951

C1203, Northern Outfall Sewer, August 1951

## **British Waterways Board Archive**

ACC/2423/P/1001 Old Ford Lock, Old Ford: 'Guard Railing to towpath underneath Bridge' - Main Drainage Metropolis, London County Council, Northern Outfall Sewer, July 1893

ACC/2423/P/1153 Northern Outfall Sewer, Old Ford: 'Enlargement of Sewer from Old Ford to Abbey Mill Lane: Temporary Bridge', December 1904

ACC/2423/P/1733 Northern Outfall Sewer, Old Ford/Bow: Printed contract plan: 'General plan and section', August 1860

ACC/2423/P/1138 Northern Metropolitan Outfall Sewer, Stratford: Proposed campsheeting to protect Bridge, 1904

# Metropolitan Board of Works Archive

MBW 2421 Original Contract Plans - Main Drainage, 1859-1865

MBW 2421/4 Northern Outfall Sewer, Iron Fencing, 20<sup>th</sup> December 1859

MBW 2421/12 Northern Outfall Sewer, 9<sup>th</sup> November 1860

MBW/2642 Deposited plans 1880-1881

#### NEWHAM LOCAL STUDIES LIBRARY

War Damage Incident File, 1939-1945

LD PEM PS 159/0430 Northern Outfall Sewer crossing Manor Road, c.1900/1

LD PEM PS 159/0747 Bridge carrying Northern Outfall Sewer over the Channelsea River at Abbey Mills Wharf. Museum copy of an engraving published in the Illustrated London News

LD PEM PS 159/0917 Northern Outfall Sewer & road leading to shoot, May 1930

LD PEM PS 159/0919 Northern Outfall Sewer & road leading to shoot, May 1930

LD PEM PS 159/1524 Northern Outfall Sewer embankment near Abbey Mills Pumping Station, c.1900/1

Box 92, C449, Cycleway, Northern Outfall Sewer, 1989

Box 42, NS374, Marshgate Lane, Northern Outfall Bridge, c.1900

Box 94, NS308, Abbey Mills Lane, 1921

Box 173, WS5152, Bomb Damage map, 1940

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Report of the Commissioners Appointed by His Majesty to inquire into the State of the Supply of Water in The Metropolis, 1828

Report From Select Committee on Metropolis Water, 1834

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#### **ONLINE RESOURCES**

http://www.gardenvisit.com/landscape\_architecture/london\_landscape\_architecture/visitors\_guide/newham\_greenway

http://www.gardenvisit.com/landscape\_architecture/london\_landscape\_architecture/landscape\_planning\_pos\_public\_open\_space/towards\_a\_green\_strategy\_for\_london\_turner

http://www.londonlandscape.gre.ac.uk/lpac.htm

www.sewerhistory.org

# **APPENDIX 1: NMR OASIS archaeological report form**

OASIS ID: preconst1-50185

# **Project details**

Project name Northern Outfall Sewer and associated structures

the project

Short description of The Museum of London Archaeology Service and Pre-Construct Archaeology (MoLAS-PCA) were commissioned by the Olympic Delivery Authority to analyse and record the Northern Outfall Sewer (OL-02507) and its associated structures: the Greenway Bridge over the River Lea (OL-02207), the Greenway Bridge over Marshgate Lane and Pudding Mill Lane (OL-02307), the Pedestrian Subway (OL-04107), Abbey Lane Pedestrian Bridge (OL-04507), the Pedestrian Bridge Spanning the Channelsea River (OL-04607) and the Pedestrian Viaduct of the Outfall Sewer (OL-04707). All of the structures were to be removed or altered in order to redevelop the site, and the archaeological investigation and subsequent report were required as a condition of planning consent for the redevelopment. The investigation of the structures took place periodically from March through to November 2007. The Northern Outfall Sewer is covered with an earthen embankment, along the top of which runs a public footpath known as the Greenway. As it runs through the site, the sewer is carried over roads and rivers on a series of bridges. The oldest structural remains date to the initial construction period from 1859 to 1863. Due to a rising population, two extra pipes were added during 1904-05 in order to increase its capacity, resulting in pre-existing bridges being extended on the north side. Subsequent years saw the structures of the sewer repaired and maintained rather than significantly altered. In the early 1990s, efforts to construct and maintain green areas within London resulted in the path along the top of the sewer was modernised and renamed 'The Greenway'.

Project dates Start: 01-03-2007 End: 30-11-2007

Previous/future work No / No

associated OL-02507 - Sitecode Any

project reference codes

Any project codes	associated reference	OL-02207 - Sitecode
Any project codes		OL-02307 - Sitecode
Any project codes		OL-04107 - Sitecode
Any project codes	associated reference	OL-04507 - Sitecode
Any project codes	associated reference	OL-04607 - Sitecode
Any project codes	associated reference	OL-04707 - Sitecode
Type of project		Building Recording
Current Land use		Other 11 - Thoroughfare
Current Land use		Transport and Utilities 2 - Other transport infrastructure
Current Land use		Transport and Utilities 3 - Utilities
Monument type		OUTFALL SEWER Post Medieval
Monument type		FOOT BRIDGE Post Medieval
Monument type		PIPLINE BRIDGE Post Medieval

Monument type ROAD VIADUCT Post Medieval

Monument type SUBWAY Post Medieval

Monument type PATH Post Medieval

Monument type STEPS Modern

Monument type RAMP Modern

Significant Finds NONE None

Significant Finds NONE None

Methods & 'Annotated Sketch', 'Measured Survey', 'Photographic

techniques Survey', 'Survey/Recording Of Fabric/Structure'

Prompt Direction from Local Planning Authority - PPG15

**Project location** 

Country England

Site location GREATER LONDON NEWHAM WEST HAM Northern

Outfall Sewer and associated structures

Postcode E15

Study area 7.00 Hectares

Site coordinates TQ 371 839 51.5368336126 -0.02298481687110 51 32 12

N 000 01 22 W Point

Site coordinates TQ 373 838 51.5358861825 -0.02014162496030 51 32 09

N 000 01 12 W Point

Site coordinates TQ 377 837 51.5348898209 -0.01441648323850 51 32 05

N 000 00 51 W Point

Site coordinates TQ 380 836 51.5339176915 -0.01013259581520 51 32 02

N 000 00 36 W Point

Site coordinates TQ 386 833 51.5310742690 -0.00160474505583 51 31 51

N 000 00 05 W Point

Site coordinates TQ 388 832 51.5301263251 0.00123763294405 51 31 48 N

000 00 04 E Point

Site coordinates TQ 391 831 51.5291536278 0.00552072657225 51 31 44 N

000 00 19 E Point

Site coordinates TQ 392 831 51.5291289249 0.00696155961705 51 31 44 N

000 00 25 E Point

Height OD / Depth Min: 2.30m Max: 9.88m

#### **Project creators**

Name of MoLAS-PCA

Organisation

Project brief ODA

originator

Project design MoLAS-PCA

originator

Project Gary Brown

director/manager

Project Alex Rose-Deacon

director/manager

Project supervisor Emma Dwyer

Project supervisor Emma Dwyer

Type of Landowner

sponsor/funding

body

Name of Olympic Delivery Authority

sponsor/funding

body

#### **Project archives**

Physical Archive No

Exists?

Digital Archive LAARC

recipient

Digital Archive ID OL-02507

Digital Contents 'other'

Digital Media 'Images raster / digital photography', 'Survey'

available

Paper Archive LAARC

recipient

Paper Archive ID OL-02507

Paper Contents 'other'

Paper Media 'Map', 'Photograph', 'Plan', 'Report', 'Section', 'Survey

available ','Unpublished Text'

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Author(s)/Editor(s) Rose-Deacon, A.

Date 2008

Issuer or publisher MoLAS-PCA

Place of issue or London publication

Entered by Gary Brown (gbrown@pre-construct.com)

Entered on 22 October 2008

### 10 Appendix 2: Glossary

**Adoption of sewers** - The transfer of responsibility for the maintenance of a system of sewers to a sewerage undertaker.

**Anti-flooding device** - A device specifically designed to be installed in gravity drains or sewers to prevent backflow from a sewer towards a property or a group of properties.

**Attenuation** – Reduction of the peak rate of flow by providing storage to allow a volume of flow to discharge over a longer duration.

**Attenuation storage** – Storage provided to enable the peak rate of flow of runoff to the river to be reduced.

**Base flow** - Sustained or dry weather flows not directly generated by rainfall. It commonly constitutes flows generated by domestic and industrial discharge and also infiltration.

Basin – see Detention basin.

**Brownfield site** - Redevelopment of a site often associated with pollution issues.

**Building Over Agreement** - No building is permitted over public sewers or water mains, without a special agreement such as a Building Over Agreement. Any such building might cause damage and would restrict or interfere with the Undertakers rights of access for inspection, repair, maintenance, or renewal.

**Catchment** - The area contributing surface water to a point on a drainage or river system, which may be divided in to sub-catchments.

**Cesspool** - A sealed tank having no outlet used for the storage of sewage. The cesspool must be emptied regularly and running costs can be substantial.

**Collection system** - In wastewater, a system of conduits, generally underground pipes, which receive and convey sanitary wastewater (domestic and/or industrial) and/or storm water.

**Combined network** - A sewer network that collects rainfall from impervious surfaces and foul water from domestic and industrial sources.

**Combined sewage** - Foul sewage mixed with surface water, also known as storm sewage.

**Combined sewer** - A sewer carrying foul water and surface water.

**Combined sewer** - A sewer design to carry surface water and foul sewage within the same pipe.

**CSO** (combined sewer overflow) - An outfall from a combined sewer designed to prevent the capacity of the sewer or a sewage treatment works from being exceeded under storm flow conditions by allowing the discharge of excess diluted sewage to another sewer, tank, watercourse or some other disposal point.

**Culvert** - A covered channel or pipeline (defined by the Highway Agency as wider than 900mm)

**Detention basin** – A vegetated depression that is normally dry except following storm events, constructed to store surface water temporarily in order to attenuate flows. It may also allow infiltration of surface water into the ground.

**Detention pond** – a pond designed to attenuate surface water runoff that has a permanent pool volume which is at least equal to one times the Treatment Volume (see Retention Ponds for comparison).

**Diffuse pollution** – Pollution arising from urban or rural land-use activities (including agriculture) that are dispersed across a catchment, or sub-catchment, and do not arise from an obvious discrete source.

**Discharge** - The volume of liquid flowing through a cross-section of conduit per unit of time.

**Domestic (foul) wastewater** - Wastewater from household services including overflows from sinks, toilets, washing machines, etc.

**Drain** - A pipeline, usually underground, designed to carry wastewater, and/or surface water from a source to a sewer, a pipeline carrying land drainage flows or surface water from a highway.

**Drainage** - A collection of pipes, channels and other engineering works designed to convey storm-water way from a built up environment.

**Drainage Assessment (DA)** – An assessment of the impact of the drainage of a site. This is normally required to support a planning application.

**Drainage system** – a single unit or collection of drainage units, including pipes, SUDS elements and drainage products, used to convey or store surface water runoff.

**Dry weather flow** - All flow within a drainage system excepting that caused directly by rainfall.

**Easements** - In the context of this publication an easement is a legal restriction on the activities landowners can undertake on and above an asset, such as a trunk water main. In particular tree planting and building are generally prohibited. Easements have been used when extra powers are deemed to be needed by the water undertaker to protect the asset.

**Ecological Space** Wildlife habitats, subject to varying degrees of management, including both land and water.

**Effluent** - Wastewater or other liquid, partially or completely treated, or in its natural state, flowing out of a pipe or a treatment plant.

**Erosion** - Detachment and movement of soil or sedimentary deposits by the flow of water, such as over the ground surface or within a pipe or channel.

**Extreme event** - Single occurrence of an event that the likely to occur very infrequently (e.g. long drought or big storm etc.).

**Filter drain** – A linear drain consisting of a trench filled with a permeable material, often with a perforated pipe in the base of the trench to collect, store and convey water to an outfall. It can also be designed to permit infiltration.

**Filter strip** – A vegetated area of gently sloping ground designed to allow passage of water evenly off impermeable areas, filtering out silt and other particulates.

Flap gate - A gate that opens to let water out but prevents water entering back into the system.

**Flood frequency** – The probability of a location being flooded in any year. For example, where the flood frequency is 1%, flooding will be expected to occur on average once every 100 years.

**Flow regime** - Typical variation of discharge of a waterway usually over an annual or seasonal period.

**Footway** – Part of a road reserved for the use of pedestrians. [Note the term pavement has another meaning and should not be used to mean footway]

**Foul sewage** - Waterborne waste of domestic or industrial origin excluding rainwater and surface water.

**Foul sewer** - A sewer used to transport mainly foul sewage to a sewage treatment works. It may also contain surface water from rainfall, when it may be termed a combined sewer.

Foul system - A drain or sewerage system that has been designed to carry only foul sewage.

**Frequency** - The number of occurrences of a certain phenomenon per unit time.

**Gradient** - The angle of inclination (of pipe), which dictates its capacity and velocity of flow.

**Gravity system** - A drain or sewerage system whereby flow is caused by the action of gravity and where the pipeline is designed to operate partially full.

Grey water - Wastewater from sinks, baths, showers and domestic appliances.

**Gross solids** - Solids, usually organic in nature, either floating, suspended or deposited, which have a polluting effect on a receiving water. Often restricted to visible solids with one dimension in excess of 25mm.

**Groundwater** – Water that has percolated into the ground, including water in both the unsaturated zone and the water table.

**Groundwater** - Water that is below the surface of the ground within the saturation zone.

**Gully** - A structure to permit the entry of surface water runoff into a sewerage system. It is usually fitted with a grating and a grit trap.

**Hydraulic analysis** - Assessment of the hydraulic behaviour of a system. Simulation hydraulic modelling of a sewerage network to determine its performance.

**Hydraulic capacity** - The maximum flow that a pipe of given dimensions, slope and roughness can carry (often quoted as pipe-full capacity, which is a little less than the maximum capacity).

**Impermeable surface** – A surface that does not permit the infiltration of water and therefore generates surface water runoff during periods of rainfall.

**Impermeable surface** - Surface that resists the infiltration of water. Usually a measure of roof and road surfaces in simulation modelling.

**Industrial discharge** - Outflow from an industrial unit, which varies enormously depending on the processes carried out in the factory.

**Infiltration** - (1) the unintended ingress of groundwater into a drainage system ( also termed parasitory flow in some countries). (2) The introduction of rainwater runoff into the ground.

**Infiltration** (to sewer) - The ingress of groundwater into a drain or sewer system through defects in pipes, joints or manholes.

**Infiltration basin** – A basin, normally dry except following rainfall, designed to promote infiltration of surface water to the ground.

**Infiltration device** – A device designed to facilitate infiltration of surface water into the ground.

**Infiltration trench** – A trench, usually filled with permeable granular material, designed to facilitate infiltration of surface water to the ground.

**Inflow** - Flow which enters the sewer; this can be generated by rainfall or an industrial discharge or other particular connection.

**Initial loss** - In hydrology, rainfall preceding the beginning of surface runoff. It includes interception, surface wetting and infiltration.

**Inlet -** (1) A connection between the catchment area and a drain or sewer for the admission of surface or storm water. (2) A structure at the entrance end of a conduit. (3) The upstream end of any structure through which water may flow.

**Inspection chamber** - A structure that offers access to the drain or sewer for servicing by means of equipment remotely operated from ground level: no personnel access.

**Interception** - The process by which rainfall may be prevented from reaching the ground, for example by vegetation.

**Internal drainage boards** - These manage ordinary watercourses in areas know as internal drainage districts.

**Invert** - The floor, bottom or lowest portion of the internal cross-section of a closed conduit.

**Land use** - Catchments zoned based on ergonomic, geographic or demographic use of land, such as residential, industrial, agricultural and/or commercial.

**Lateral** - A private drain or sewer that carries drainage flows from a property to a public sewer.

**Long Term storage** – The temporary retention of a proportion of surface water runoff which is disposed by using infiltration or slow release (typically less than 2l/s/ha) to the receiving water. Long term storage is provided for the temporary flood storage of rare storm events and is normally separated from the attenuation storage.

**Major system** - In the context of major and minor drainage, this refers to the route followed by storm runoff when the minor system is either inoperative or inadequate. It generally refers to roads and major above ground drainage channels.

**Management Train** - The management of stormwater using an appropriate selection of drainage systems to hydraulically control and treat stormwater runoff to provide an acceptable level of service and minimise the impact on the environment.

**Manhole** - A structure that provides access for personnel to the drain or sewer for servicing.

**Minor system** - The drainage pipes, roadway channels, enclosed conduits an roof connections designed to convey runoff from "normal" storms, to eliminate or minimise inconvenience in the area to be developed. See major system.

**Network** - In the context of sewers, a collection of connected nodes and links, manholes and pipes.

**Open Space**: Land which is not covered by buildings or roads.

**Outfall** - The point, location or structure where wastewater or drainage discharges from a pipe, channel, were, drain or other conduit.

**Overflow** - The intentional or unintentional discharge of sewage to the environment before it has been treated.

**Overflow weir** - Any device or structure over which any excess water or wastewater beyond the capacity of the conduit or container is allowed to flow.

**Overland flow** - The flow of water over the ground or paved surface before it enters some defined channel or inlet, often assumed to be shallow and uniformly distributed across the width.

**Passive public open space** – An area of land open to use by the public, that specifically has no particular public use.

**Pavement** – Technical name for the road or car park surface and underlying structure, usually asphalt, concrete or block paving. This term should not be used to mean a footway.

**Peak discharge** - The maximum flow rate at a point in time at a specific location resulting from a given storm condition.

**Penstock** - is gate or sluice used to control the flow of water or a tube or trough carrying water to a wheel. The chambers remove all heavy material. The gate that controls the flow out of the chamber to the settling tanks is called, a Penstock. The gate is a simple device of a wooden or metal type shutter running up and down inside a runner or guide, operated at the top with a handle which turns to open or close.

**Percentage runoff** – The proportion of the amount of rainfall that is converted to runoff (see also runoff coefficient).

**Permeable surface** – A surface that is formed of material that is itself impervious to water, but allows infiltration of water to the underlying layers through the pattern of voids in the surface; for example concrete block paving.

**Pervious pavement** – A pavement with a permeable surface usually constructed for subsurface storage of storm water runoff and/or infiltration.

**Pervious surface** - A type of ground surface that allows infiltration of water, although some surface runoff may still occur.

**Pre 1936 sewers** - The Public Health Act of 1936 set out a range of responsibilities for the operation and maintenance of sewerage systems but the Act recognised that little was known about existing sewers. Some had been maintained by private individuals and others by local authorities. Some of the costs had been re-charged to the owners, and the location of all these early sewers had not been surveyed and was unknown. The Act acknowledged the different status of these early sewers and made different provisions in respect of them.

**Primary treatment** - The first major treatment in a wastewater treatment facility, usually sedimentation.

**Private drain** - A sewer in private ownership draining only one property. If there is no cesspool or private treatment works, the drain usually connects with a private or public sewer.

**Private Open Space:** Privately owned outdoor space. This term may include sports fields, agricultural land, institutional grounds, burial grounds and private gardens.

**Private sewage treatment plant** - Generally a small sewage treatment works (which could be a septic tank) owned and operated by a community, hotel or household. Treatment plants should conform to the same operational and environmental standards applied to the sewage works operated by the water companies. Accordingly the running costs for small plants can

be substantial and as environmental standards are raised there maybe a need for additional capital investment.

**Private sewer** - A sewer in private ownership draining more than one property. Connection to and use of such sewers normally requires private agreement. Rights of drainage or access, or easements to inspect, maintain, repair or replace the private sewer are usually required if the sewer passes through adjoining land outside the control of the property owner. All downstream sections must be properly maintained to avoid flooding with sewage.

**Private water supplies** - Where a property has no connection to the water mains, a suitable private spring or surface water source may be used. This may require extensive treatment to make the supplies safe and will be subject to examination and control by the local environmental health officer. Approval under the Building Act 1984 for new building work to domestic properties will not be granted unless adequate water supplies and drainage facilities are available.

**Public Open Space:** Open land to which the public has access. This term usually refers to vegetated space, especially public parks, and does not include rivers, water bodies, or roads, all of which may be open or public or both.

**Public sewer** - A sewer vested in and maintained by the Sewerage Undertaker. Members of the public generally have the statutory right to connect into and use the public sewer on offering payment of sewerage charges.

**Pumping Station** - A structure containing pumps and appurtenant piping, valves and other mechanical and electrical equipment for pumping water, wastewater and other liquids.

**Rainfall profile** - A series of values of rainfall intensity varying with time; a rainfall event is referred to as a hyetograph.

**Rational method** - A simple method, used throughout the world, for calculating the peak discharge in a drainage system for pipe sizing.

**Reach (river) -** A stretch of river between two points, often used where the river characteristics are similar.

**Recreational Open Space:** Public and private recreation grounds, including town parks, country parks, country clubs and company sports fields.

#### Regulator -

**Reservoir storage** - The phenomenon by which a volume of flow is stored temporarily on a surface or in a length of pipe or channel as the depth and rate of flow increase; the storage is depleted after the peak of the storm passes.

**Retention pond** - A pond constructed for the temporary storage of surface water runoff, which releases the stored water at controlled rates.

**Rising mains** - Pipes carrying untreated sewage pumped under pressure. There is no right of connection into them. Section STET declaration: A Sewerage Undertaker may make, or may be asked to make, a declaration that sewers or sewage disposal works already in existence will be adopted and maintained at public expense from a particular date.

**Runoff** - Water from precipitation that flows off a surface to reach a drain, sewer or receiving water.

**Runoff coefficient** – The proportion of the amount of rainfall that is converted to runoff..

**Screen** - A device with openings, generally of uniform size, used to retain or remove suspended or floating solids in flowing water or wastewater.

**Scum board** - A board or plate that dips below the top water level to retain scum and other floating debris.

**Sediment concentration** - The ratio of the weight of the sediment in a water-sediment mixture to the total weight of the mixture. Sometimes expressed as the ratio of the volume of sediment to the volume of mixture.

**Sediment transport** - The movement of solids transported in any way by a flowing liquid.

**Sedimentation** - The process of deposition and consolidation of suspended material carried by water, wastewater or other liquids, by gravity.

**Self-cleansing (velocity)** - The minimum velocity in sewers necessary to keep solids in suspension, so preventing the deposition and subsequent nuisance from blockages or reduced capacity.

**Separate sewer** - A sewer used to covey either surface water or foul sewage, but not a combination of both.

**Separate system** - A drain or sewer system, normally of two pipelines, one carrying wastewater and the other surface water.

**Septic tank** - A septic tank is a settlement chamber, which provides treatment to sewage and drainage waters. Overflow from the tank goes to a soakaway or drainage field or occasionally a sewer. Septic tanks are un-powered. Houses operating them are responsible for the operation, maintenance and occasional emptying of the chamber. Septic tanks function excellently in well-drained land. It is becoming less acceptable to operate a septic tank in low-lying land, particularly near rivers and streams. Any pollution problems precipitated by poorly performing septic tanks may mean they need to be decommissioned, and connections to the public sewer network need to be undertaken.

**Sewer** - A pipe or conduit that carries wastewater or drainage water serving more than one property.

**Sewer flooding** - The unintentional escape from a sewerage system; the inability of drainage flows to enter a sewerage system because of surcharge.

**Sewerage system** - A network of pipelines and ancillary works that conveys wastewater and/or surface water from drains to a treatment works o other place of disposal.

**Sewerage undertaker** - An organisation with the legal duty to provide sewerage services in an area. In England and Wales these services are provided by 10 water service companies.

**Side weir** - A diverting weir constructed on the side of a channel or conduit, usually at right angles to the centre-line of the main channel.

**Silt** - Sediment (often soil) consisting of particles between 0.002 mm and 0.02 mm in equivalent diameter.

**Simulation** - The representation of specific conditions during a specific period in a sewerage system, treatment works, river etc, by means of a computer model.

**Sludge Main** - A pressurised pipe carrying treated or partially treated sewage sludge.

**Sluice gate** - A gate constructed to slide vertically and fastened into or against masonry of dams, (penstock) tanks or other structures under which flow takes place when open.

**Soak away** – A subsurface structure into which surface water is conveyed to allow infiltration into the ground.

**Soak-away or drainage field** - Buried pipes in aggregates that allow treated effluents or surface waters to disperse. They are owned and maintained by the property owner.

**Source control** – The management of runoff at or near its source.

**Spill event** - A period when an overflow discharges to a watercourse/ spill frequency The number of spill events over a given period.

**Stilling pond** - A small basin into which flow is discharged, which is used to either dissipate energy or trap solids.

**Storm-water overflow** - A weir, orifice or other device for permitting the discharge from a combined sewer of the flow in excess of that which the sewer is designed to carry.

**Strategic Open Space:** Open space which is important from a London-wide point of view, because it affects the structure of the metropolitan area.

**SUD systems** – Sustainable urban drainage systems or sustainable drainage systems: a sequence of management practices and control structures designed to drain surface water in a more sustainable fashion than conventional techniques (may also be referred to as SUDS or SuDS).

**Surface wash-off** - The process whereby the rainfall runoff carries surface sediments and dissolved pollutants into the drain or sewer system.

**Surface water** - Water from precipitation that has not seeped into the ground and is discharged to the drain or sewer system directly from the ground or from exterior building surfaces.

**Surface Water** – Water resulting from run-off of rain, melted snow or hail.

**Surface water sewer** - A sewer used only for the transport of uncontaminated surface water or rainwater in an area where separate sewerage systems have been provided. This may discharge safely to a local watercourse or to the foul sewerage system for treatment with the foul flows.

**Surface water system** - A drain or sewer system that has been designed to carry only surface water.

**Suspended solids** - Insoluble solids that either float on the surface of, or are in suspension in, water, wastewater or other liquids.

**Swale** - A grass channel for storm water collection with shallow side slopes, which is normally dry except during rainfall.

**Swale** - A shallow vegetated channel designed to conduct and retain water, but may also permit infiltration; and the vegetation filters particulate matter from the flow.

**Tank sewer** - A length of sewer with a cross-sectional area in excess of that required for the conveyance of the normal sewer flow, the additional volume being used for the storage of storm sewage.

**Time of concentration** - Time between the start of a runoff event and the time when the entire catchment is contributing flow to a specific point in the network.

**Time of entry** - The time taken for surface runoff to reach the entry into the pipe system.

**Time series rainfall** - A continuous or discontinuous record of individual events generated artificially or selected real historical events that are representative of the rainfall in that area.

**Treatment** - Improving the quality of water by physical, chemical and/or biological means.

**Treatment train** - The application of a selection of drainage systems which provides treatment of the surface runoff such that the pollution impact on the receiving waters is minimised.

**Treatment volume (Vt)** - A calculated volume of water (usually referring to the permanent pool volume in a pond) which provides partial treatment to surface runoff. It is normally based on the site impermeable area and the local hydrological characteristics (see CIRIA report C521).

**Underground storage** – An underground attenuation tank for holding surface water; different types of structures are used including oversized sewers and concrete chambers.

Urban drainage - Pipe systems and other related structures to serve an urban environment.

**Vacuum sewerage system** - A system that operates under negative (sub-atmospheric) pressure to evacuate drainage flows from a property or group of properties; the system may consist of one or more vacuum pumps, a central vacuum reservoir, pipework and interface valves.

Vegetated or Biological Space: Land which is not hard surfaced or covered by buildings.

**Vortex overflow** - A type of overflow that make use of the spiralling flow in a cortex to retain polluting material within the pipe system.

**Wash-off** (of pollutants) - The transport of pollutant mass from the catchment surface during a rainfall event.

Wastewater - Water used and discharged to drain.

water quality - The chemical, physical and biological characteristics of water with respect to its suitability for a particular purpose.

**Water quality standards** - Standards set by the national legislation or European Community directives and enforced by regulatory authorities in member states.

Water Service Company - A provider of both sewerage and water services in an area.

Watercourse - A natural or artificial channel for passage of water.

Water-table - The surface within soil or rock strata at which groundwater saturation occurs.

**Weir** - An overflow structure across a channel that may be used for controlling upstream surface level, or for measuring discharge, or for both; usually horizontal and constructed as either broad- or sharp-crested.

**Wet well** - The entry chamber in a pumping station from which water is pumped to a higher level.

**Wetland** - A pond that has a high proportion of emergent vegetation in relation to open water.

## 11 Appendix 3: Site Drawings

#### 11.1 Drawing Register for Northern Outfall Sewer (OL-02507)

Drawing Number	Drawing Description	Scale	Name	Date
	Detail Drawing of Drain Cover		K.B & H.R.	15/06/2007
	Detail Drawing of Drain Cover		K.B & H.R.	15/06/2007
	Detail Drawing of Drain Cover		K.B & H.R.	15/06/2007

#### 11.2 Drawing Register for Pedestrian Subway (OL-04107)

Drawing Number	Drawing Description	Scale	Name	Date
1	North elevation of Pedestrian Subway	1:20	H.R. & KB.	3/0/07
2	South elevation of Pedestrian Subway	1:20	H.R. & KB.	3/0/07

# 11.3 Drawing Register for Pedestrian Bridge spanning the Channelsea River (OL-04607)

Drawing Number	Drawing Description	Scale	Name	Date
1	Plan of Bridge	1:100	H.R. & J.H.	08//11/07
2	Detailed Drawing of metal railings		H.R. & J.H.	08//11/07
3	North-east elevation on the south-east end of Channelsea Bridge		H.R. & J.H.	08//11/07
4	South-east facing sectional elevation of Channelsea Bridge	1:50	H.R. & J.H.	08//11/07

## 12 Appendix 4: Photo registers

#### 12.1 Photo register 1 Northern Outfall Sewer

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
	STIL CODE	STETALINE	112.01 1112	11201110	2.112		DIRECTION	Northern Outfall Sewer sign
		Northern Outfall	35mm Colour			-		
2	OL-02507	Sewer	Slide Film	100	11.07.07		NE	
								Northern Outfall Sewer sign
			35mm Colour			-		
3	OL-02507	Sewer	Slide Film	100	11.07.07		NE	Northern Outfall Sewer sign
								Northern Outlan Sewer sign
4	OL-02507	Northern Outfall Sewer	35mm Colour Slide Film	100	11.07.07	-	NE	
	OE 02307	Se wei	Silde I iiiii	100	11.07.07		IVE	View of access point 1 to
		Northern Outfall	35mm Colour			-		Greenway footpath
5	OL-02507	Sewer	Slide Film	100	11.07.07		E-SE	
								View of access point 1 to
			35mm Colour			-		Greenway footpath
6	OL-02507	Sewer	Slide Film	100	11.07.07		E-SE	Viene of access maint 1 to
								View of access point 1 to Greenway footpath
7	OL-02507	Northern Outfall Sewer	35mm Colour Slide Film	100	11.07.07	-	E-SE	
	OL-02307	Sewei	Silde Fillii	100	11.07.07		E-SE	View of sign post just W of
		Northern Outfall	35mm Colour			-		access point 1 on Greenway
8	OL-02507	Sewer	Slide Film	100	11.07.07		Е	footpath
								View of sign post just W of
		Northern Outfall	35mm Colour			-		access point 1 on Greenway footpath
9	OL-02507	Sewer	Slide Film	100	11.07.07		Е	_
								View of sign post just W of access point 1 on Greenway
	01.00505		35mm Colour	400	44.05.05	-	-	footpath
10	OL-02507	Sewer	Slide Film	100	11.07.07		Е	View of sign post just W of
						0.50m		access point 1 on Greenway
11	OL-02507	Northern Outfall Sewer	35mm Colour Slide Film	100	11.07.07	0.50111	Е	footpath
-11	OE 02307	Se wei	Sirae I iiiii	100	11.07.07		L	View of sign post just W of
		Northern Outfall	35mm Colour			0.50m		access point 1 on Greenway
12	OL-02507	Sewer	Slide Film	100	11.07.07		Е	footpath
								View of sign post just W of
		Northern Outfall	35mm Colour			0.50m		access point 1 on Greenway footpath
13	OL-02507	Sewer	Slide Film	100	11.07.07		Е	_
								Detail photograph of rivet and crimping on
						-		handrail from access point 1
14	OL-02507	Northern Outfall Sewer	35mm Colour Slide Film	100	11.07.07		Е	of greenway footpath
14	OL-02307	JCWCI	Silde I IIII	100	11.0/.0/		ь	Detail photograph of
								rivet and crimping on
		Northern Outfall	35mm Colour			-		handrail from access point 1 of greenway footpath
15	OL-02507	Sewer	Slide Film	100	11.07.07		Е	, , , ,
								Detail photograph of
						-		rivet and crimping on handrail from access point 1
	01.02707		35mm Colour	100	11.07.07		-	of greenway footpath
16	OL-02507	Sewer	Slide Film	100	11.07.07		Е	

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
								Detail photograph of
						0.20m		rivet and crimping on handrail from access point 1
			35mm Colour				_	of greenway footpath
17	OL-02507	Sewer	Slide Film	100	11.07.07		Е	Detail photograph of
								rivet and crimping on
						0.20m		handrail from access point 1
18	OL-02507	Northern Outfal Sewer	35mm Colour Slide Film	100	11.07.07		Е	of greenway footpath
10	02 02007	56 11 61	511de 1 11111	100	11107107			Detail photograph of
						0.20m		rivet and crimping on
		Northern Outfal	35mm Colour			0.20111		handrail from access point 1 of greenway footpath
19	OL-02507	Sewer	Slide Film	100	11.07.07		Е	
								Shot of metal cycle gate at base of ramp from access
			35mm Colour			-		point 1
20	OL-02507	Sewer	Slide Film	100	11.07.07		Е	Shot of metal cycle gate at
								base of ramp from access
21	OL-02507	Northern Outfal Sewer	35mm Colour Slide Film	100	11.07.07	-	Е	point 1
21	OL-02307	Sewei	Silde I IIII	100	11.07.07		L	Shot of metal cycle gate at
		Northern Outfal	l 35mm Colour			-		base of ramp from access
22	OL-02507	Sewer	Slide Film	100	11.07.07		Е	point 1
								Shot of metal cycle gate at
		Northern Outfal	35mm Colour			0.50m		base of ramp from access point 1
23	OL-02507	Sewer	Slide Film	100	11.07.07		Е	
								Shot of metal cycle gate at base of ramp from access
			35mm Colour			0.50m		point 1
24	OL-02507	Sewer	Slide Film	100	11.07.07		Е	
						0.50m		Shot of metal cycle gate at base of ramp from access
25	OL-02507	Northern Outfal Sewer	35mm Colour Slide Film	100	11.07.07	0.30111	Е	point 1
23	OL-02307	Sewei	Silue Fillii	100	11.07.07		E	General photograph
		Northern Outfal	l 35mm Colour					showing sign post at base of
26	OL-02507	Sewer	Slide Film	100	11.07.07		Е	access point 1
								General photograph
		Northern Outfal	35mm Colour					showing sign post at base of access point 1
27	OL-02507	Sewer	Slide Film	100	11.07.07		Е	•
								General photograph showing sign post at base of
			35mm Colour				_	access point 1
28	OL-02507	Sewer	Slide Film	100	11.07.07		Е	•
		N d O (C)	125 6.1					Shot looking towards canal
29	OL-02507	Northern Outfal Sewer	35mm Colour Slide Film	100	11.07.07		w	at base of access point 1 to Greenway footpath
1								Shot looking towards canal
1		Northern Outfal	35mm Colour					at base of access point 1 to
30	OL-02507	Sewer	Slide Film	100	11.07.07		W	Greenway footpath
1								
1								Shot looking towards canal
2 1	OL 02507	Northern Outfal Sewer	35mm Colour Slide Film	100	11.07.07		W	at base of access point 1 to Greenway footpath
31	OL-02507	JCW01	Silue Filli	100	11.07.07		W	Greenway 100tpatil
								G1 + 1 -1 '
1		Northern Outfal	l35mm Colour					Shot looking up ramp of access point 1, showing
32	OL-02507	Sewer	Slide Film	100	11.07.07		Е	south embankment
								Shot looking up ramp of
1			35mm Colour				_	access point 1, showing
33	OL-02507	Sewer	Slide Film	100	11.07.07		Е	south embankment

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
34	OL-02507		35mm Colour Slide Film	100	11.07.07			Shot looking up ramp of access point 1, showing south embankment
35	OL-02507	Northern Outfall Sewer	35mm Colour Slide Film	100	11.07.07			Shot looking up stairs of access point 1
36		Northern Outfall Sewer	35mm Colour Slide Film	100	11.07.07			Shot looking up stairs of access point 1
37			35mm Colour Slide Film	100	11.07.07			Shot looking up stairs of access point 1

#### 12.2 Photo register 2 Northern Outfall Sewer

ID	SITE CODE	CITE N	AME	EII M	TVDE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
ID	SITE CODE	SITE N	ANIE	FILM	IYFE	FILM NO	DATE	SCILL	DIRECTION	Northern Outfall Sewer sign
2	OL-02507	Northern Sewer	Outfall	35mm and film	black white	101	11.07.07	-	NE	Ü
3	OL-02507	Northern Sewer	Outfall	35mm and film	black white	101	11 07 07	-	NE	Northern Outfall Sewer sign
3	OL-02307	Sewer		35mm	black	101	11.07.07		NE	Northern Outfall Sewer sign
4	OL-02507	Northern Sewer	Outfall	and film	white	101	11.07.07	-	NE	View of access point 1 to
5	OL-02507	Northern Sewer	Outfall	35mm and film	black white	101	11.07.07	-	E-SE	Greenway footpath
6		Northern Sewer	Outfall	35mm	black white	101		-		View of access point 1 to Greenway footpath
	OL-02507	Northern	Outfall	35mm and	black white		11.07.07	-	E-SE	View of access point 1 to Greenway footpath
7	OL-02507	Northern	Outfall		black white	101	11.07.07	-	E-SE	View of sign post just W of access point 1 on Greenway footpath
8	OL-02507	Sewer Northern	Outfall	film 35mm and film	black white	101	11.07.07	-	Е	View of sign post just W of access point 1 on Greenway footpath
10	OL-02507 OL-02507	Northern Sewer	Outfall	35mm	black white	101	11.07.07	-	E E	View of sign post just W of access point 1 on Greenway footpath
11	OL-02507	Northern Sewer	Outfall	35mm	black white	101	11.07.07	0.50m	E	View of sign post just W of access point 1 on Greenway footpath
12	OL-02507	Northern Sewer	Outfall	35mm and film	black white	101	11.07.07	0.50m	E	View of sign post just W of access point 1 on Greenway footpath
13	OL-02507	Northern Sewer	Outfall	35mm and film	black white	101	11.07.07	0.50m	Е	View of sign post just W of access point 1 on Greenway footpath
14	OL-02507	Northern Sewer	Outfall	35mm and film	black white	101	11.07.07	-	E	Detail photograph of rivet and crimping on handrail from access point 1 of greenway footpath
15	OL-02507	Northern Sewer	Outfall	35mm and film	black white	101	11.07.07	-	E	Detail photograph of rivet and crimping on handrail from access point 1 of greenway footpath
16	OL-02507	Northern Sewer	Outfall	35mm	black white	101	11.07.07	-	E	Detail photograph of rivet and crimping on handrail from access point 1 of greenway footpath
17	OL-02507	Northern Sewer	Outfall	35mm	black white	101	11.07.07	0.20m	E	Detail photograph of rivet and crimping on handrail from access point 1 of greenway footpath
18	OL-02507	Northern Sewer	Outfall	35mm	black white	101	11.07.07	0.20m	E	Detail photograph of rivet and crimping on handrail from access point 1 of greenway footpath

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
19	OL-02507	Northern Outfall Sewer	35mm black and white film	101	11.07.07	0.20m	E	Detail photograph of rivet and crimping on handrail from access point 1 of greenway footpath
20	OL-02507	Northern Outfall Sewer	35mm black and white film	101	11.07.07	-	E	Shot of metal cycle gate at base of ramp from access point 1
21	OL-02507	Northern Outfall	35mm black	101	11.07.07	-	E	Shot of metal cycle gate at base of ramp from access point 1
22		Northern Outfall Sewer	35mm black	101	11.07.07	-	E	Shot of metal cycle gate at base of ramp from access point 1
		Northern Outfall	35mm black and white			0.50m		Shot of metal cycle gate at base of ramp from access point 1
23	OL-02507	Sewer  Northern Outfall		101	11.07.07	0.50m	Е	Shot of metal cycle gate at base of ramp from access point 1
24	OL-02507	Northern Outfall	film 35mm black and white film	101	11.07.07	0.50m	E	Shot of metal cycle gate at base of ramp from access point 1
25	OL-02507	Northern Outfall	35mm black	101	11.07.07		Е	General photograph showing sign post at base of access point 1
26		Northern Outfall	35mm black and white	101	11.07.07		Е	General photograph showing sign post at base of access point 1
27	OL-02507	Northern Outfall		101	11.07.07		Е	General photograph showing sign post at base of access point 1
28	OL-02507 OL-02507	Sewer  Northern Outfall Sewer	film  35mm black and white film	101	11.07.07		E W	Shot looking towards canal at base of access point 1 to Greenway footpath
30	OL-02507	Northern Outfall Sewer	35mm black and white film	101	11.07.07		W	Shot looking towards canal at base of access point 1 to Greenway footpath
31	OL-02507	Northern Outfall Sewer	35mm black and white film	101	11.07.07		W	Shot looking towards canal at base of access point 1 to Greenway footpath
32	OL-02507	Northern Outfall Sewer	35mm black and white film	101	11.07.07		E	Shot looking up ramp of access point 1, showing south embankment
33	OL-02507	Northern Outfall Sewer	35mm black and white film	101	11.07.07		Е	Shot looking up ramp of access point 1, showing south embankment
34	OL-02507	Northern Outfall Sewer	35mm black and white film	101	11.07.07		Е	Shot looking up ramp of access point 1, showing south embankment
35	OL-02507	Northern Outfall Sewer	film	101	11.07.07		N	Shot looking up stairs of access point 1
36		Northern Outfall Sewer	35mm black and white film	101	11.07.07		N	Shot looking up stairs of access point 1

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
		Northern Outfall						Shot looking up stairs of
37	OL-02507	Sewer	film	101	11.07.07		N	access point 1

#### 12.3 Photo register 3 Northern Outfall Sewer

ID	SITE CODE	SITE NA	ME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
		Northern (	Outfall	35mm colour			-		Shot of brick access point to sewer pipes below greenway footpath on south embankment
1	OL-02507	Sewer	Julian	slide film	102	11.07.07		Е	
		Northern (	Outfall	35mm colour			-		Shot of brick access point to sewer pipes below greenway footpath on south embankment
2	OL-02507	Sewer	-	slide film	102	11.07.07		Е	
		Northern (	Outfall	35mm colour			-		Shot of brick access point to sewer pipes below greenway footpath on south embankment
3	OL-02507	Sewer		slide film	102	11.07.07		Е	
4	OL-02507	Northern ( Sewer	Outfall	35mm colour slide film	102	11.07.07	-	S	Shot showing top of access point 1 stairwell on south embankment
5	OL-02507	Northern (	Outfall	35mm colour slide film	102	11.07.07	-	S	Shot showing top of access point 1 stairwell on south embankment
	OE 02307		Outfall	35mm colour		11.07.07	_	5	Shot showing top of access point 1 stairwell on south
6	OL-02507	Sewer	Julian	slide film	102	11.07.07		S	embankment
7	OL-02507	Northern ( Sewer	Outfall	35mm colour slide film	102	11.07.07	1.00m	S	Shot showing top of access point 1 stairwell on south embankment
8	OL-02507	Northern (	Outfall	35mm colour slide film	102	11.07.07	1.00m	S	Shot showing top of access point 1 stairwell on south embankment
9	OL-02507	Northern ( Sewer	Outfall	35mm colour slide film	102	11.07.07	1.00m	S	Shot showing top of access point 1 stairwell on south embankment
10	OL-02507	Northern (		35mm colour slide film	102	11.07.07	-	S	Overhead photograph of brick access point to sewer pipes below greenway on south embankment
				35mm colour			-		Overhead photograph of brick access point to sewer pipes below greenway on south embankment
11	OL-02507	Sewer  Northern (	Outfall	slide film  35mm colour	102	11.07.07	-	S	Overhead photograph of brick access point to sewer pipes below greenway on south embankment
12	OL-02507	Sewer  Northern (	Outfall	slide film  35mm colour	102	11.07.07	0.50m	S	Overhead photograph of brick access point to sewer pipes below greenway on south embankment
13	OL-02507	Sewer		slide film	102	11.07.07		S	Overhead photograph of brick access point to sewer
14	OL-02507	Northern ( Sewer	Outfall	35mm colour slide film	102	11.07.07	0.50m	S	pipes below greenway on south embankment
1.5	01.02207			35mm colour		11.07.07	0.50m		Overhead photograph of brick access point to sewer pipes below greenway on south embankment
15	OL-02507	Sewer		slide film	102	11.07.07		S	

Northern Outfall 35mm colour  16 OL-02507 Sewer slide film 102 11.07.07		General photograph of
		Greenway footpath from west end of bridge over
16   OL-02507   Sewer   slide film   102   11.07.07		River Lea
	Е	General photograph of
		Greenway footpath from
-		west end of bridge over
Northern Outfall 35mm colour	Е	River Lea
17 GE 02007 DEWEI SHIRE HIM 102 11.07.07		General photograph of
		Greenway footpath from
Northern Outfall 35mm colour		west end of bridge over River Lea
18         OL-02507         Sewer         slide film         102         11.07.07	Е	
		General photograph of Greenway footpath from
1.00m		west end of bridge over
Northern Outfall 35mm colour	_	River Lea
19 OL-02507 Sewer slide film 102 11.07.07	Е	General photograph of
		Greenway footpath from
1.00m		west end of bridge over
Northern Outfall 35mm colour   20 OL-02507 Sewer   slide film   102   11.07.07	E	River Lea
DO OZ OZOO OWO ONA NINI 102 110/10/		General photograph of
1.00		Greenway footpath from
Northern Outfall 35mm colour		west end of bridge over River Lea
21 OL-02507 Sewer slide film 102 11.07.07	Е	
		Detailed photograph of
		junction between brick wall and metal railings to W of
		wooden fence on the S
		embankment of Greenway
Northern Outfall 35mm colour	GE.	
22 OL-02507 Sewer slide film 102 11.07.07	SE	Detailed photograph of
		junction between brick wall
		and metal railings to W of
		wooden fence on the S embankment of Greenway
Northern Outfall 35mm colour		
23 OL-02507 Sewer slide film 102 11.07.07	SE	
		Detailed photograph of iunction between brick wall
		and metal railings to W of
		wooden fence on the S
		embankment of Greenway
Northern Outfall 35mm colour 24 OL-02507 Sewer slide film 102 11.07.07	SE.	
24 OL-02507 Sewer slide film 102 11.07.07	SE	
		Datailed photograph of
		Detailed photograph of riveting on metal railings
	1	just E of bridge over River
Northern Outfall 35mm colour		Lea at top of south embankment of Greenway
25 OL-02507 Sewer slide film 102 11.07.07	S-SW	emoankment of Greenway
	1	Detailed photograph of
		riveting on metal railings just E of bridge over River
	1	Lea at top of south
Northern Outfall 35mm colour   102   11.07.07   11.07.07   12.07	S-SW	embankment of Greenway
20 02 02007 (Sewer Struct Hill 102 11.07.07)	D-0 44	
		Dotailed what
		Detailed photograph of riveting on metal railings
	1	just E of bridge over River
Northern Outfall]35mm colour		Lea at top of south
27 OL-02507 Sewer slide film 102 11.07.07	S-SW	embankment of Greenway

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
ID	SITE CODE	SITE WAVE	TIENTTITE	PIEMINO	DATE		DIRECTION	
		Northern Outfall	35mm colour			0.20m		Detailed photograph of riveting on metal railings just E of bridge over River Lea at top of south
28	OL-02507	Sewer Outlan	slide film	102	11.07.07		S-SW	embankment of Greenway
29	OL-02507	Northern Outfall Sewer	35mm colour slide film	102	11.07.07	0.20m	S-SW	Detailed photograph of riveting on metal railings just E of bridge over River Lea at top of south embankment of Greenway
30		Northern Outfall Sewer	35mm colour slide film	102	11.07.07	0.20m	S-SW	Detailed photograph of riveting on metal railings just E of bridge over River Lea at top of south embankment of Greenway
31	OL-02507	Northern Outfall Sewer	35mm colour slide film	102	11.07.07	-	SW	Shot of junction between metal railings and wooden fence
32	OL-02507	Northern Outfall Sewer	35mm colour slide film	102	11.07.07	-	SW	Shot of junction between metal railings and wooden fence
33	OL-02507	Northern Outfall Sewer	35mm colour slide film	102	11.07.07	-	SW	Shot of junction between metal railings and wooden fence
34		Northern Outfall Sewer	35mm colour slide film	102	11.07.07	0.50m	SW	Shot of junction between metal railings and wooden fence
35	OL-02507	Northern Outfall Sewer	35mm colour slide film	102	11.07.07	0.50m	SW	Shot of junction between metal railings and wooden fence
36		Northern Outfall Sewer	35mm colour slide film	102	11.07.07	0.50m	SW	Shot of junction between metal railings and wooden fence

#### 12.4 Photo register 4 Northern Outfall Sewer

ID	SITE CODE	SITE N	AME	FILM T	ГҮРЕ	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
		Northern	Outfall	and	black white			-		Shot of brick access point to sewer pipes below greenway footpath on south embankment
1	OL-02507	Sewer		film		103	11.07.07		Е	Shot of brick access point to
		Northern	Outfall		black white			-		sewer pipes below greenway footpath on south embankment
2	OL-02507	Sewer		film		103	11.07.07		Е	Shot of brick access point to
		Northern	Outfall		black white			-		south of the access point to sewer pipes below greenway footpath on south embankment
3	OL-02507	Sewer		film		103	11.07.07		Е	Shot showing top of access
4	OL-02507	Northern Sewer	Outfall		black white	103	11.07.07	-	S	point 1 stairwell on south embankment
5	OL-02507	Northern Sewer	Outfall	35mm and film	black white	103	11.07.07	-	S	Shot showing top of access point 1 stairwell on south embankment
6	OL-02507	Northern Sewer	Outfall	35mm	black white	103	11.07.07	-	S	Shot showing top of access point 1 stairwell on south embankment
7	OL-02507	Northern Sewer	Outfall		black white	103	11.07.07	1.00m	S	Shot showing top of access point 1 stairwell on south embankment
8	OL-02507	Northern Sewer	Outfall	35mm and film	black white	103	11.07.07	1.00m	S	Shot showing top of access point 1 stairwell on south embankment
9	OL-02507	Northern Sewer	Outfall		black white	103	11.07.07	1.00m	S	Shot showing top of access point 1 stairwell on south embankment
10	OL-02507	Northern Sewer	Outfall		black white	103	11.07.07	-	S	Overhead photograph of brick access point to sewer pipes below greenway on south embankment
		Northern	Outfall	35mm and	black white			-		Overhead photograph of brick access point to sewer pipes below greenway on south embankment
11	OL-02507	Sewer		film		103	11.07.07		S	Overhead photograph of
12	OL-02507	Northern Sewer	Outfall	35mm and film	black white	103	11.07.07	-	S	brick access point to sewer pipes below greenway on south embankment
13	OL-02507	Northern Sewer	Outfall		black white	103	11.07.07	0.50m	S	Overhead photograph of brick access point to sewer pipes below greenway on south embankment
14	OL-02507	Northern Sewer	Outfall	35mm	black white	103	11.07.07	0.50m	S	Overhead photograph of brick access point to sewer pipes below greenway on south embankment
		Northern	Outfall	35mm and	black white			0.50m		Overhead photograph of brick access point to sewer pipes below greenway on south embankment
15	OL-02507	Sewer		film		103	11.07.07		S	

ID	SITE CODE	SITE NAME	FILM T	ГҮРЕ	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
16	OL-02507	Northern Outf Sewer	35mm lll and film	black white	103	11.07.07	-	E	General photograph of Greenway footpath from west end of bridge over River Lea
17	OL-02507	Northern Outf Sewer	35mm lll and film	black white	103	11.07.07	-	E	General photograph of Greenway footpath from west end of bridge over River Lea
18	OL-02507	Northern Outf Sewer	35mm lll and film	black white	103	11.07.07	-	E	General photograph of Greenway footpath from west end of bridge over River Lea
19	OL-02507	Northern Outf Sewer	35mm lll and film	black white	103	11.07.07	1.00m	E	General photograph of Greenway footpath from west end of bridge over River Lea
20	OL-02507	Northern Outf	35mm lll and film	black white	103	11.07.07	1.00m	E	General photograph of Greenway footpath from west end of bridge over River Lea
21	OL-02507		35mm lll and film	black white	103	11.07.07	1.00m	E	General photograph of Greenway footpath from west end of bridge over River Lea
22	OL-02507		35mm Ill and film	black white	103	11.07.07	-	SE	Detailed photograph of junction between brick wall and metal railings to W of wooden fence on the S embankment of Greenway
			35mm Illand	black white			-		Detailed photograph of junction between brick wall and metal railings to W of wooden fence on the S embankment of Greenway
23	OL-02507	Sewer Outi	film	WIIIC	103	11.07.07		SE	Datailed abstracts of
			35mm Ill and	black white	100		-	95	Detailed photograph of junction between brick wall and metal railings to W of wooden fence on the S embankment of Greenway
24	OL-02507	Sewer	film		103	11.07.07		SE	
25	OL-02507	Northern Outf Sewer	35mm ll and film	black white	103	11.07.07	-	S-SW	Detailed photograph of riveting on metal railings just E of bridge over River Lea at top of south embankment of Greenway
26	OL-02507	Northern Outf Sewer	35mm lll and film	black white	103	11.07.07	-	S-SW	Detailed photograph of riveting on metal railings just E of bridge over River Lea at top of south embankment of Greenway
27			35mm lll and film	black white	103	11.07.07	-	S-SW	Detailed photograph of riveting on metal railings just E of bridge over River Lea at top of south embankment of Greenway

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
ID	SITE CODE	SILENAME	TILWI I I I E	FILM NO	DATE	501122	DIRECTION	COMMENTS
28	OL-02507	Northern Outfall Sewer	35mm black and white film	103	11.07.07	0.20m	S-SW	Detailed photograph of riveting on metal railings just E of bridge over River Lea at top of south embankment of Greenway
29	OL-02507	Northern Outfall Sewer	35mm black and white film	103	11.07.07	0.20m	S-SW	Detailed photograph of riveting on metal railings just E of bridge over River Lea at top of south embankment of Greenway
30	OL-02507	Northern Outfall Sewer	35mm black and white film	103	11.07.07	0.20m	S-SW	Detailed photograph of riveting on metal railings just E of bridge over River Lea at top of south embankment of Greenway
31	OL-02507	Northern Outfall Sewer	35mm black and white film	103	11.07.07	-	SW	Shot of junction between metal railings and wooden fence
32	OL-02507	Northern Outfall Sewer	35mm black and white film	103	11.07.07	-	SW	Shot of junction between metal railings and wooden fence
33	OL-02507	Northern Outfall Sewer	35mm black and white film	103	11.07.07	-	SW	Shot of junction between metal railings and wooden fence
34	OL-02507	Northern Outfall Sewer	35mm black and white film	103	11.07.07	0.50m	SW	Shot of junction between metal railings and wooden fence
35	OL-02507	Northern Outfall Sewer	35mm black and white film	103	11.07.07	0.50m	SW	Shot of junction between metal railings and wooden fence
36	OL-02507	Northern Outfall Sewer	35mm black and white film	103	11.07.07	0.50m	SW	Shot of junction between metal railings and wooden fence

#### 12.5 Photo register 5 Northern Outfall Sewer

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
1	OL-02507	Northern Outfall Sewer	35mm colour slide film	104	11.07.07	-	NW	Shot showing profile of north embankment and metal fencing
2	OL-02507	Northern Outfall Sewer	35mm colour slide film	104	11.07.07	-	NW	Shot showing profile of north embankment and metal fencing
3	OL-02507	Northern Outfall Sewer	35mm colour slide film	104	11.07.07	-	NW	Shot showing profile of north embankment and metal fencing
	OI 02507		l35mm colour slide film	104	11.07.07	-	MME	Shot showing junction between iron railings and eastern end of bridge over the River Lea on N embankment of Greenway
4	OL-02507	Sewer	siide iiim	104	11.07.07		N-NE	Shot showing junction
		Northern Outfall	l35mm colour			-		between iron railings and eastern end of bridge over the River Lea on N embankment of Greenway
5	OL-02507	Sewer	slide film	104	11.07.07		N-NE	
6	OL-02507	Northern Outfall Sewer	l35mm colour slide film	104	11.07.07	-	N-NE	Shot showing junction between iron railings and eastern end of bridge over the River Lea on N embankment of Greenway
		Northern Outfall	35mm colour					Shot showing junction between iron railings and eastern end of bridge over the River Lea on N embankment of Greenway
7	OL-02507	Sewer	slide film	104	11.07.07	1.00m	N-NE	
8	OL-02507	Northern Outfall Sewer	l35mm colour slide film	104	11.07.07	1.00m	N-NE	Shot showing junction between iron railings and eastern end of bridge over the River Lea on N embankment of Greenway
0	GE 02307		l35mm colour	101	11.07.07	1.0011	11112	Shot showing junction between iron railings and eastern end of bridge over the River Lea on N embankment of Greenway
9	OL-02507	Sewer	slide film	104	11.07.07	1.00m	N-NE	
10	OL-02507	Northern Outfall Sewer	35mm colour slide film	104	11.07.07	-	N-NE	Shot showing 5 air vents on Greenway footpath
11	OL-02507	Northern Outfall Sewer	35mm colour slide film	104	11.07.07	-	N-NE	Shot showing 5 air vents on Greenway footpath
12			35mm colour slide film	104	11.07.07	-	N-NE	Shot showing 5 air vents on Greenway footpath
	OL 02301	001101	5.1GC 111111	107	11.07.07	l	11111	

Northern   Outfall   35mm   colour   slide film   104   11.07.07     N-NE	Shot showing 5 air vents on Greenway footpath  Shot showing 5 air vents on Greenway footpath  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1
13   OL-02507   Sewer   Slide film   104   11.07.07   N-NE	Shot showing 5 air vents on Greenway footpath  Shot showing 5 air vents on Greenway footpath  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of North embankment
13   OL-02507   Sewer   slide film   104   11.07.07   N-NE	Shot showing 5 air vents on Greenway footpath  Shot showing 5 air vents on Greenway footpath  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of North embankment
14   OL-02507   Sewer   Slide film   104   11.07.07   N-NE	Greenway footpath  Shot showing 5 air vents on Greenway footpath  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of North embankment
14   OL-02507   Sewer   Slide film   104   11.07.07   N-NE	Shot showing 5 air vents on Greenway footpath  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of North embankment
Northern   Outfall   35mm   colour   104   11.07.07   N-NE	Shot showing 5 air vents on Greenway footpath  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of North embankment
15   OL-02507   Sewer   Slide film   104   11.07.07   N-NE	Greenway footpath  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of North embankment
15   OL-02507   Sewer   Slide film   104   11.07.07   N-NE	Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of North embankment
Northern   Outfall   35mm   colour     104   11.07.07     S-SW	Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'North embankment
16 OL-02507   Sewer   Slide film   104   11.07.07   S-SW	post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of North embankment
16 OL-02507   Sewer   Slide film   104   11.07.07   S-SW	Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of North embankment
Northern   Outfall   35mm   colour     104   11.07.07     S-SW	Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of North embankment
17   OL-02507   Sewer   slide film   104   11.07.07   S-SW	post at top of ramp access point 1  Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of North embankment
17   OL-02507   Sewer   slide film   104   11.07.07   S-SW	Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of North embankment
Northern Outfall   35mm colour   104   11.07.07   S-SW	Shot of 'Capital Ring' sign post at top of ramp access point 1  Shot of North embankment
18         OL-02507         Sewer         slide film         104         11.07.07         S-SW           Northern         Outfall 35mm colour         -         -         -         S           Northern         Outfall 35mm colour         104         11.07.07         S	post at top of ramp access point 1 Shot of North embankment
18         OL-02507         Sewer         slide film         104         11.07.07         S-SW           Northern         Outfall 35mm colour         -         -         -         S           Northern         Outfall 35mm colour         104         11.07.07         S	point 1 Shot of North embankment
Northern Outfall 35mm colour 104 11.07.07 S  Northern Outfall 35mm colour 5 S  Northern Outfall 35mm colour 7 S	Shot of North embankment
19         OL-02507         Sewer         slide film         104         11.07.07         S           Northern Outfall 35mm colour	
19         OL-02507         Sewer         slide film         104         11.07.07         S           Northern Outfall 35mm colour	taken from its base
Northern Outfall 35mm colour	1
	Shot of North embankment taken from its base
	taken nom its vase
20         OL-02507         Sewer         slide film         104         11.07.07         S	
	Shot of North embankment taken from its base
Northern Outfall 35mm colour	taken from its base
21         OL-02507         Sewer         slide film         104         11.07.07         S	
	Shot showing profile of north embankment
Northern Outfall 35mm colour	north embankment
22 OL-02507 Sewer slide film 104 11.07.07 E	
	Shot showing profile of north embankment
Northern Outfall 35mm colour	north emodikment
23 OL-02507 Sewer slide film 104 11.07.07 E	Chat abassis as a file of
	Shot showing profile of north embankment
Northern Outfall 35mm colour	
24         OL-02507         Sewer         slide film         104         11.07.07         E	Shot showing profile of
	north embankment
Northern Outfall 35mm colour	
25 OL-02507 Sewer slide film 104 11.07.07 W	Shot showing profile of
	north embankment
Northern Outfall 35mm colour	
26         OL-02507         Sewer         slide film         104         11.07.07         W	Shot showing profile of
	north embankment
Northern Outfall 35mm colour Colour Sewer slide film 104 11.07.07 W	
27 GE 92507 BEWEL SHILL HILL 104 11.07.07 W	Shot showing profile of
Northorn Outfall 35mm colour 1.00m	north embankment
Northern Outfall   35mm colour   1.00m	
25 52 525 55 FM SHOT SHOT HIT 107 11.07.07 W	Shot showing profile of
Northern Outfall 35mm colour 1.00m	north embankment
Northern Outfall 35mm colour 1.00m Sewer slide film 104 11.07.07 W	
3.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5	Shot showing profile of
Northern Outfall 35mm colour 1.00m	north embankment
30 OL-02507 Sewer slide film 104 11.07.07 W	
	General placement
	photograph showing
Northern Outfall 35mm colour	buildings on south side of
31 OL-02507 Sewer slide film 104 11.07.07 S	Greenway
	General placement
Northern Outfall 35mm colour	photograph showing
32 OL-02507 Sewer slide film 104 11.07.07 S	buildings on south side of

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
								Greenway
33		Northern Outfall Sewer	35mm colour slide film	104	11.07.07	-	S	General placement photograph showing buildings on south side of Greenway
34		Northern Outfall Sewer	35mm colour slide film	104	11.07.07	-	Е	General photograph of Greenway towards GNER Bridge
35		Northern Outfall Sewer	35mm colour slide film	104	11.07.07	-	E	General photograph of Greenway towards GNER Bridge
36			35mm colour slide film	104	11.07.07	-	E	General photograph of Greenway towards GNER Bridge

#### 12.6 Photo register 6 Northern Outfall Sewer

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
1	OL-02507	Northern Outfall Sewer	35mm black and white film	105	11.07.07	-	NW	Shot showing profile of north embankment and metal fencing
2	OL-02507	Northern Outfall Sewer	35mm black and white film	105	11.07.07	-	NW	Shot showing profile of north embankment and metal fencing
3	OL-02507	Northern Outfall Sewer	35mm black and white film	105	11.07.07	-	NW	Shot showing profile of north embankment and metal fencing
4	OL-02507	Northern Outfall Sewer	35mm black and white film	105	11.07.07	-	N-NE	Shot showing junction between iron railings and eastern end of bridge over the River Lea on N embankment of Greenway
<u> </u>	OL 02307	Bewei	35mm black	103	11.07.07	-	TV TV	Shot showing junction between iron railings and eastern end of bridge over the River Lea on N embankment of Greenway
5	OL-02507	Northern Outfall Sewer	and white film	105	11.07.07		N-NE	
6	OL-02507	Northern Outfall Sewer	35mm black and white film	105	11.07.07	-	N-NE	Shot showing junction between iron railings and eastern end of bridge over the River Lea on N embankment of Greenway
		Northern Outfall						Shot showing junction between iron railings and eastern end of bridge over the River Lea on N embankment of Greenway
7	OL-02507	Sewer	film	105	11.07.07	1.00m	N-NE	Shot showing junction
8		Northern Outfall Sewer	35mm black and white film	105	11.07.07	1.00m	N-NE	between iron railings and eastern end of bridge over the River Lea on N embankment of Greenway
O			35mm black	100	11.07.07	1.0011	TV TE	Shot showing junction between iron railings and eastern end of bridge over the River Lea on N embankment of Greenway
9		Northern Outfall Sewer	and white film	105	11.07.07	1.00m	N-NE	
10		Northern Outfall Sewer	35mm black and white film	105	11.07.07	-	N-NE	Shot showing 5 air vents on Greenway footpath
11	OL-02507	Northern Outfall Sewer	35mm black and white film	105	11.07.07	-	N-NE	Shot showing 5 air vents on Greenway footpath
12		Northern Outfall Sewer	35mm black	105	11.07.07	-	N-NE	Shot showing 5 air vents on Greenway footpath

ID	SITE CODE	SITE NAME	FILM TYP	E FILM NO	DATE	SCALE	DIRECTION	COMMENTS
		Northern Outfa	35mm blac			0.50m		Shot showing 5 air vents on Greenway footpath
13	OL-02507	Sewer Sura	film	105	11.07.07		N-NE	
14	OL-02507	Northern Outfa Sewer	35mm blac		11.07.07	0.50m	N-NE	Shot showing 5 air vents on Greenway footpath
		Northern Outfa	35mm blac	k		0.50m		Shot showing 5 air vents on Greenway footpath
15	OL-02507	Sewer	film	105	11.07.07		N-NE	Shot of 'Capital Ring' sign
16	OL-02507	Northern Outfa Sewer	35mm blac ll and whi film		11.07.07	-	S-SW	post at top of ramp access point 1
17	OL-02507	Northern Outfa Sewer	35mm blac		11.07.07	-	S-SW	Shot of 'Capital Ring' sign post at top of ramp access point 1
1/	OL-02307	Sewer			11.07.07		5-5 W	Shot of 'Capital Ring' sign
18	OL-02507	Northern Outfa Sewer	35mm blac lland whi film		11.07.07	-	S-SW	post at top of ramp access point 1
19	OL-02507	Northern Outfa Sewer	35mm blac lland whi		11.07.07	-	S	Shot of North embankment taken from its base
17	OE 02307	Sewer .			11.07.07		5	Shot of North embankment
		Northern Outfa				-		taken from its base
20	OL-02507	Sewer	film	105	11.07.07		S	Shot of North embankment
21	OL-02507	Northern Outfa Sewer	35mm blac lland white film		11.07.07	-	S	taken from its base
22	OL-02507	Northern Outfa Sewer	35mm blac lland whi		11.07.07	-	E	Shot showing profile of north embankment
		Northern Outfa	35mm blac	k		-		Shot showing profile of north embankment
23	OL-02507	Sewer  Northern Outfa	35mm blac		11.07.07	-	Е	Shot showing profile of north embankment
24	OL-02507	Sewer	film	105	11.07.07		Е	
25		Northern Outfa Sewer	35mm blac		11.07.07	-	W	Shot showing profile of north embankment
23	OL-02307	Northern Outfa	35mm blac	k	11.07.07	-	W	Shot showing profile of north embankment
26	OL-02507	Sewer	film	105	11.07.07		W	Cl. 4 -1i
27	OL-02507	Northern Outfa Sewer	35mm blac lland white film		11.07.07	-	W	Shot showing profile of north embankment
		Northern Outfa	35mm blac	k		1.00m		Shot showing profile of north embankment
28	OL-02507	Sewer	film	105	11.07.07		W	Shot showing profile of
29	OL-02507	Northern Outfa Sewer	35mm blac ll and whi film		11.07.07	1.00m	W	north embankment
20	01 02507	Northern Outfa		te	11.07.07	1.00m	W	Shot showing profile of north embankment
30	OL-02507	Sewer	film	105	11.07.07		W	General placement
31	OL-02507	Northern Outfa Sewer	35mm blac ll and whi		11.07.07	-	s	photograph showing buildings on south side of Greenway
32	OL-02507	Northern Outfa Sewer	35mm blac ll and whi		11.07.07	-	s	General placement photograph showing buildings on south side of

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
								Greenway
33		Northern Outfall Sewer	35mm black and white film	105	11.07.07	-	S	General placement photograph showing buildings on south side of Greenway
34		Northern Outfall Sewer	35mm black and white film	105	11.07.07	-	E	General photograph of Greenway towards GNER Bridge
35		Northern Outfall Sewer	35mm black and white film	105	11.07.07	-	E	General photograph of Greenway towards GNER Bridge
36		Northern Outfall Sewer	35mm black and white film	105	11.07.07	-	E	General photograph of Greenway towards GNER Bridge

#### 12.7 Photo register 7 Northern Outfall Sewer

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
1	OL-02507	Northern Outf Sewer	all 35mm colour	106	11.07.07	-	W	Shot of Greenway footpath towards bridge over River Lea
2	OL-02507		all 35mm colour		11.07.07	-	W	Shot of Greenway footpath towards bridge over River Lea
3	OL-02507	Northern Outf Sewer	all 35mm colour	106	11.07.07	-	W	Shot of Greenway footpath towards bridge over River Lea
4	OL-02507		all 35mm colour		11.07.07	-	N	Shot of footpath taken from south embankment of Greenway
5	OL-02507		all 35mm colour		11.07.07	-	N	Shot of footpath taken from south embankment of Greenway
6	OL-02507	Northern Outf Sewer	all 35mm colour slide film	106	11.07.07	-	N	Shot of footpath taken from south embankment of Greenway
7	OL-02507	Northern Outf Sewer	all 35mm colour slide film	106	11.07.07	1.00m	N	Shot of footpath taken from south embankment of Greenway
8	OL-02507	Northern Outf	all 35mm colour	106	11.07.07	1.00m	N	Shot of footpath taken from south embankment of Greenway
9	OL-02507	Northern Outf Sewer	all 35mm colour	106	11.07.07	1.00m	N	Shot of footpath taken from south embankment of Greenway
10	OL-02507		all 35mm colour		11.07.07	-	E	Shot showing profile of north embankment
11	OL-02507		all 35mm colour		11.07.07	-	E	Shot showing profile of north embankment
12	OL-02507		all 35mm colour		11.07.07	-	E	Shot showing profile of north embankment
13	OL-02507		all 35mm colour			0.50m	E	Shot showing profile of north embankment
	OL-02507	Northern Outf	all 35mm colour		11.07.07	0.50m	E	Shot showing profile of north embankment
14			all 35mm colour			0.50m		Shot showing profile of north embankment
15	OL-02507 OL-02507	Sewer  Northern Outf Sewer	slide film all 35mm colour slide film	106	11.07.07	-	E W	Shot showing exposed modern plastic pipes in north embankment
17	OL-02507		all 35mm colour		11.07.07	-	W	Shot showing exposed modern plastic pipes in north embankment
18	OL-02507		all 35mm colour slide film		11.07.07	-	W	Shot showing exposed modern plastic pipes in north embankment
19	OL-02507	Northern Outf Sewer	all 35mm colour slide film	106	11.07.07	0.50m	W	Shot showing exposed modern plastic pipes in north embankment

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
п	SITE CODE			PIEMINO	DATE	0.50m	DIRECTION	Shot showing exposed modern plastic pipes in north
20	OL-02507	Northern Outfa Sewer	135mm colour slide film	106	11.07.07	0.30111	W	embankment
21	OL-02507	Northern Outfa Sewer	ll 35mm colour slide film	106	11.07.07	0.50m	W	Shot showing exposed modern plastic pipes in north embankment
			135mm colour			-		General photograph of Greenway
22	OL-02507	Sewer	slide film	106	12.07.07		Е	
23	OI 02507		135mm colour	106	12.07.07	-	E	General photograph of Greenway
23	OL-02507	Sewer  Northern Outfa	1135mm colour	106	12.07.07	-	E	General photograph of Greenway
24	OL-02507	Sewer	slide film	106	12.07.07		Е	
2.5	01 00505		135mm colour	106	10.05.05	1.00m	_	General photograph of Greenway
25	OL-02507	Sewer	slide film	106	12.07.07		Е	General photograph of
26	OL-02507	Northern Outfa Sewer	ll 35mm colour slide film	106	12.07.07	1.00m	E	Greenway
		Northern Outfa	ll35mm colour			1.00m		General photograph of Greenway
27	OL-02507	Sewer	slide film	106	12.07.07		Е	Shot of footpath on north
28	OL-02507	Northern Outfa Sewer	135mm colour	106	12.07.07	-	S	embankment <sup>1</sup>
			135mm colour			-		Shot of footpath on north embankment
29	OL-02507	Sewer	slide film	106	12.07.07		S	
30	OL-02507	Northern Outfa Sewer	135mm colour	106	12.07.07	-	S	Shot of footpath on north embankment
30	OL-02307		1135mm colour	100	12.07.07	1.00m	3	Shot of footpath on north embankment
31	OL-02507	Sewer Outla	slide film	106	12.07.07		S	
			ll 35mm colour			1.00m		Shot of footpath on north embankment
32	OL-02507	Sewer	slide film	106	12.07.07		S	Shot of footpath on north
33	OL-02507	Northern Outfa Sewer	ll 35mm colour slide film	106	12.07.07	1.00m	S	embankment
34	OL-02507	Northern Outfa Sewer	135mm colour slide film	106	12.07.07	1.00m	W	Shot of Greenway with 5 air vents in fore ground
35	OL-02507	Northern Outfa Sewer	ll 35mm colour slide film	106	12.07.07	1.00m	W	Shot of Greenway with 5 air vents in fore ground
36	OL-02507	Northern Outfa Sewer	ll 35mm colour slide film	106	12.07.07	1.00m	W	Shot of Greenway with 5 air vents in fore ground

#### 12.8 Photo register 8 Northern Outfall Sewer

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
		Northern Outfal	35mm black land white			-		Shot of Greenway footpath towards bridge over River Lea
1	OL-02507	Sewer	film	107	11.07.07		W	Shot of Greenway footpath
		Northern Outfal				-		towards bridge over River Lea
2	OL-02507	Sewer	film	107	11.07.07		W	Shot of Greenway footpath
3	OL-02507	Northern Outfal Sewer	35mm black and white film	107	11.07.07	-	W	towards bridge over River Lea
4	OL-02507	Northern Outfal Sewer	35mm black and white film	107	11.07.07	-	N	Shot of footpath taken from south embankment of Greenway
5	OL-02507	Northern Outfal Sewer	35mm black	107		-	N	Shot of footpath taken from south embankment of Greenway
3	OL-02307	Sewer		107	11.07.07		IN .	Shot of footpath taken from
6	OL-02507	Northern Outfal Sewer	35mm black land white film	107	11.07.07	-	N	south embankment of Greenway
7		Northern Outfal		107	11.07.07	1.00	N	Shot of footpath taken from south embankment of Greenway
7	OL-02507	Sewer	film	107	11.07.07	1.00m	N	Shot of footpath taken from
8	OL-02507	Northern Outfal Sewer	35mm black land white film	107	11.07.07	1.00m	N	south embankment of Greenway
9	OL-02507	Northern Outfal Sewer	35mm black land white film	107	11.07.07	1.00m	N	Shot of footpath taken from south embankment of Greenway
	OL-02307	Sewer		107	11.07.07	1.00111	IN .	Shot showing profile of
10	OL-02507	Northern Outfal Sewer	35mm black land white film	107	11.07.07	-	E	north embankment
1.1	01 02507	Northern Outfal		107	11 07 07	-		Shot showing profile of north embankment
11	OL-02507	Sewer	film	107	11.07.07		Е	Shot showing profile of
12	OL-02507	Northern Outfal Sewer	35mm black and white film	107	11.07.07	-	E	north embankment
		Northern Outfal	35mm black			0.50m		Shot showing profile of north embankment
13	OL-02507	Sewer	film	107	11.07.07		Е	
.,	01 02507	Northern Outfal		107	11.07.07	0.50m		Shot showing profile of north embankment
14	OL-02507	Sewer	film	107	11.07.07		Е	Shot showing profile of
15	OL-02507	Northern Outfal Sewer	35mm black land white film	107	11.07.07	0.50m	E	north embankment
16	OL-02507	Northern Outfal	35mm black	107	11.07.07	-	W	Shot showing exposed modern plastic pipes in north embankment
17	OL-02507	Northern Outfal	35mm black	107	11.07.07	-	W	Shot showing exposed modern plastic pipes in north embankment
18	OL-02507	Northern Outfal	35mm black	107	11.07.07	-	W	Shot showing exposed modern plastic pipes in north embankment

ID	SITE CODE	SITE NAME	FILM TYPI	E FILM NO	DATE	SCALE	DIRECTION	COMMENTS
19	OL-02507	Northern Outfal	35mm blac	k	11.07.07	0.50m	W	Shot showing exposed modern plastic pipes in north embankment
20	OL-02507	Northern Outfal	35mm blac	k	11.07.07	0.50m	W	Shot showing exposed modern plastic pipes in north embankment
21	OL-02507	Northern Outfal	35mm blac	k	11.07.07	0.50m	W	Shot showing exposed modern plastic pipes in north embankment
22	OL-02507	Northern Outfal Sewer	35mm blac	k	12.07.07	-	E	General photograph of Greenway
23	OL-02507	Northern Outfal	35mm blac	k	12.07.07	-	E	General photograph of Greenway
		Northern Outfal	35mm blac	k e		-		General photograph of Greenway
24	OL-02507	Sewer  Northern Outfal	35mm blac	e	12.07.07	1.00m	E	General photograph of Greenway
25	OL-02507	Sewer  Northern Outfal		e	12.07.07	1.00m	E	General photograph of Greenway
26	OL-02507	Sewer  Northern Outfal	film 35mm blac land white		12.07.07	1.00m	Е	General photograph of Greenway
27	OL-02507	Sewer  Northern Outfal	film  35mm blac land white		12.07.07	-	Е	Shot of footpath on north embankment
28	OL-02507	Sewer  Northern Outfal	film  35mm blac land white		12.07.07	-	S	Shot of footpath on north embankment
29	OL-02507	Sewer  Northern Outfal	film 35mm blac	107 k	12.07.07	_	S	Shot of footpath on north embankment
30	OL-02507	Sewer	film 35mm blac	107 k	12.07.07	1.00m	S	Shot of footpath on north embankment
31	OL-02507	Northern Outfal Sewer	film 35mm blac	107 k	12.07.07	1.00m	S	Shot of footpath on north embankment
32	OL-02507	Northern Outfal Sewer	l and whith film whith state whith state whith state white w	107	12.07.07		S	Shot of footpath on north embankment
33	OL-02507	Northern Outfal Sewer		e 107	12.07.07	1.00m	S	Chibankinent
34	OL-02507	Northern Outfal Sewer	land whit film	e 107	12.07.07	1.00m	W	Shot of Greenway with 5 air vents in fore ground
35	OL-02507	Northern Outfal Sewer	35mm blac land whit film		12.07.07	1.00m	W	Shot of Greenway with 5 air vents in fore ground
36	OL-02507	Northern Outfal Sewer	35mm blac land whit film		12.07.07	1.00m	W	Shot of Greenway with 5 air vents in fore ground

### 12.9 Photo register 9 Northern Outfall Sewer

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
1	OL-02507	Northern Outfal Sewer	l 35mm colour slide film	108	12.07.07	-	W	General photograph of Greenway towards Lea Bridge
2	OL-02507	Northern Outfal Sewer	135mm colour	108	12.07.07	-	W	General photograph of Greenway towards Lea Bridge
3	OL-02507		135mm colour	108	12.07.07	-	W	General photograph of Greenway towards Lea Bridge
4	OL-02507		l35mm colour slide film	108	12.07.07	1.00m	W	General photograph of Greenway towards Lea Bridge
5	OL-02507	Northern Outfal Sewer	l 35mm colour slide film	108	12.07.07	1.00m	W	General photograph of Greenway towards Lea Bridge
6	OL-02507	Northern Outfal Sewer	l 35mm colour slide film	108	12.07.07	1.00m	W	General photograph of Greenway towards Lea Bridge
7	OL-02507		135mm colour	108	12.07.07	-	W	Shot showing profile of south embankment
8		Northern Outfal	135mm colour			-	W	Shot showing profile of south embankment
	OL-02507		slide film	108	12.07.07	-		Shot showing profile of south embankment
9	OL-02507		slide film	108	12.07.07	1.00m	W	Shot showing profile of south embankment
10	OL-02507		slide film 135mm colour	108	12.07.07	1.00m	W	Shot showing profile of south embankment
11	OL-02507	Sewer  Northern Outfal	slide film	108	12.07.07	1.00m	W	Shot showing profile of south embankment
12	OL-02507	Sewer  Northern Outfal	slide film	108	12.07.07	-	W	Closer photograph of south embankment
13	OL-02507	Sewer	slide film	108	12.07.07	-	W	Closer photograph of south embankment
14	OL-02507	Sewer	slide film	108	12.07.07	_	W	Closer photograph of south embankment
15	OL-02507	Sewer	135mm colour slide film	108	12.07.07		W	Shot showing industrialised area on south side of
16	OL-02507	Northern Outfal Sewer	l35mm colour slide film	108	12.07.07	-	S	Greenway  Shot showing industrialised area on south side of
17	OL-02507	Northern Outfal Sewer	l 35mm colour slide film	108	12.07.07	-	S	Greenway  Shot showing industrialised
18	OL-02507	Northern Outfal Sewer	l 35mm colour slide film	108	12.07.07	-	S	area on south side of Greenway

ID	SITE CODE	SITE NA	AME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
									Shot showing industrialised
									area on south side of Greenway taken from higher
							-		vantage point
			Outfall	35mm colour				-	
19	OL-02507	Sewer		slide film	108	12.07.07		S	Shot showing industrialised
									area on south side of
							_		Greenway taken from higher
		Northern	Outfall	35mm colour					vantage point
20		Sewer	Outlan	slide film	108	12.07.07		S	
									Shot showing industrialised
									area on south side of Greenway taken from higher
							-		vantage point
21			Outfall	35mm colour	100	12.07.07		g	
21	OL-02507	Sewer		slide film	108	12.07.07		S	Shot showing buildings on
		Northern	O46-11	35mm colour			_		north side of Greenway
22		Sewer	Outlan	slide film	108	12.07.07		E-SE	
									Shot showing buildings on
		Northern	Outfall	35mm colour			-		north side of Greenway
23	OL-02507	Sewer		slide film	108	12.07.07		E-SE	
									Shot showing buildings on north side of Greenway
24			Outfall	35mm colour	100	12.07.07	-	EGE	norm side of Greenway
24	OL-02507	Sewer		slide film	108	12.07.07		E-SE	Shot showing concrete
									access point with metal
		Northern	Outfall	35mm colour			-		railings on north embankment
25		Sewer	Outlan	slide film	108	12.07.07		Е	embankment
									Shot showing concrete
							_		access point with metal railings on north
			Outfall	35mm colour					embankment
26	OL-02507	Sewer		slide film	108	12.07.07		Е	Shot showing concrete
									Shot showing concrete access point with metal
		NT 41	0 (0.11	25 1			-		railings on north
27		Northern Sewer	Outraii	35mm colour slide film	108	12.07.07		Е	embankment
									Shot showing concrete
							1.00m		access point with metal railings on north
		Northern	Outfall	35mm colour			1.00111		embankment
28	OL-02507	Sewer		slide film	108	12.07.07		Е	01
									Shot showing concrete access point with metal
							1.00m		railings on north
29		Northern Sewer	Outfall	35mm colour slide film	108	12.07.07		Е	embankment
	J_ J_207								Shot showing concrete
							1.00m		access point with metal
		Northern	Outfall	35mm colour			11.00111		railings on north embankment
30	OL-02507	Sewer		slide film	108	12.07.07		Е	
									Shot showing 3 air vents/drains and top of concrete
21			Outfall	35mm colour	100	12.07.07	-	c	access point
31	OL-02507	Sewer		slide film	108	12.07.07		S	Shot showing 3 air vents/
		Northam	Outfall	35mm colour			_		drains and top of concrete
32		Northern Sewer	Outlall	slide film	108	12.07.07		S	access point
									Shot showing 3 air vents/
		Northern	Outfall	35mm colour			-		drains and top of concrete access point
33		Sewer		slide film	108	12.07.07		S	1
									Shot showing 3 air vents/drains and top of concrete
			Outfall	35mm colour	4.0.0	40.0	1.00m	_	access point
34	OL-02507	Sewer		slide film	108	12.07.07		S	_

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
35			35mm colour slide film	108	12.07.07	1.00m		Shot showing 3 air vents/ drains and top of concrete access point
36			35mm colour slide film	108	12.07.07	1.00m		Shot showing 3 air vents/ drains and top of concrete access point

### 12.10 Photo register 10 Northern Outfall Sewer

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
1	OL-02507	Northern Outfal Sewer	35mm black land white film	109	12.07.07	-	W	General photograph of Greenway towards Lea Bridge
2	OL-02507	Northern Outfal	35mm black	109	12.07.07	-	W	General photograph of Greenway towards Lea Bridge
3		Northern Outfal	35mm black	109	12.07.07	-	W	General photograph of Greenway towards Lea Bridge
4	OL-02507	Northern Outfal	35mm black	109	12.07.07	1.00m	W	General photograph of Greenway towards Lea Bridge
5	OL-02507	Northern Outfal	35mm black	109	12.07.07	1.00m	W	General photograph of Greenway towards Lea Bridge
6	OL-02507	Northern Outfal	35mm black	109	12.07.07	1.00m	W	General photograph of Greenway towards Lea Bridge
7		Northern Outfal	35mm black land white film	109	12.07.07	-	W	Shot showing profile of south embankment
8	OL-02507	Northern Outfal	35mm black	109	12.07.07	-	W	Shot showing profile of south embankment
		Northern Outfal	35mm black			-		Shot showing profile of south embankment
9	OL-02507	Sewer  Northern Outfal	35mm black land white	109	12.07.07	1.00m	W	Shot showing profile of south embankment
10		Sewer  Northern Outfal		109	12.07.07	1.00m	W	Shot showing profile of south embankment
11		Sewer  Northern Outfal		109	12.07.07	1.00m	W	Shot showing profile of south embankment
12		Sewer  Northern Outfal		109	12.07.07	-	W	Closer photograph of south embankment
13		Sewer Northern Outfal		109	12.07.07	-	W	Closer photograph of south embankment
14	OL-02507	Sewer  Northern Outfal	film  35mm black land white	109	12.07.07	-	W	Closer photograph of south embankment
15		Sewer	film	109	12.07.07		W	

ID	SITE CODE	SITE N	AME	FILM	ТҮРЕ	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
										Shot showing industrialised
		Northern	Outfall	35mm	black white			-		area on south side of
16		Sewer	Outian	film	WIIIC	109	12.07.07		S	Greenway
									~	Shot showing industrialised
		NT41	O-46-11	35mm	black			_		area on south side of
17		Northern Sewer	Outfall	ana film	white	109	12.07.07		S	Greenway
17	OE 02307	Sewer				10)	12.07.07		5	Shot showing industrialised
		NT (1	0 (6.11	35mm	black			_		area on south side of
18		Northern Sewer	Outfall	and film	white	109	12.07.07		S	Greenway
10	OL-02307	Sewei		111111		109	12.07.07			Shot showing industrialised
										area on south side of
								_		Greenway taken from higher
			0 .0.11	35mm	black					vantage point
19		Northern Sewer	Outfall	and film	white	109	12.07.07		S	
19	OL-02307	Sewei		111111		109	12.07.07			Shot showing industrialised
										area on south side of
								_		Greenway taken from higher
			0 .0.11	35mm	black					vantage point
20		Northern Sewer	Outfall	and film	white	109	12.07.07		S	
20	OL-02307	Sewer		111111		109	12.07.07		3	Shot showing industrialised
										area on south side of
								_		Greenway taken from higher
				35mm	black			-		vantage point
21		Northern	Outfall	and film	white	100	12.07.07		G	
21	OL-02507	Sewer		111m		109	12.07.07		S	Shot showing buildings on
				35mm	black					north side of Greenway
22		Northern	Outfall		white	100	12 07 07	-	D GD	,
22	OL-02507	Sewer		film		109	12.07.07		E-SE	Shot showing buildings on
				35mm	black					north side of Greenway
22		Northern	Outfall		white	100	12.05.05	-	D 0D	
23	OL-02507	Sewer		film		109	12.07.07		E-SE	Chat abayying byildings on
				35mm	black					Shot showing buildings on north side of Greenway
2.4		Northern	Outfall		white	100	12 07 07	-	D GD	
24	OL-02507	Sewer		film		109	12.07.07		E-SE	Shot showing concrete
										Shot showing concrete access point with metal
				35mm	black			-		railings on north
2.5		Northern	Outfall		white	100	12 07 07		F.	embankment
25	OL-02507	Sewer		film		109	12.07.07		Е	Shot showing concrete
										Shot showing concrete access point with metal
				35mm	black			-		railings on north
26		Northern	Outfall		white	100	12.07.07		Б	embankment
26	OL-02507	Sewer		film		109	12.07.07		Е	Shot showing concrete
										access point with metal
				35mm	black			-		railings on north
27		Northern	Outfall		white	100	12.07.07		E	embankment
27	OL-02507	Sewer		film		109	12.07.07		Е	Shot showing concrete
										access point with metal
				35mm	black			1.00m		railings on north
20		Northern	Outfall		white	100	12.07.07		F	embankment
28	OL-02507	Sewer		film		109	12.07.07		Е	Shot showing concrete
										access point with metal
				35mm	black			1.00m		railings on north
20		Northern	Outfall		white	100	12.07.07		F.	embankment
29	OL-02507	Sewer		film		109	12.07.07		Е	Shot showing concrete
										access point with metal
				35mm	black			1.00m		railings on north
20		Northern	Outfall		white	100	10.05.05		F.	embankment
30	OL-02507	Sewer		film		109	12.07.07		Е	Shot showing 3 air vents/
				35mm	black					drains and top of concrete
		Northern	Outfall		white	100	10.05.05	-	_	access point
31	OL-02507	Sewer		film		109	12.07.07		S	=

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
32		Northern Outfall Sewer	35mm black and white film	109	12.07.07	-		Shot showing 3 air vents/ drains and top of concrete access point
33		Northern Outfall Sewer	35mm black and white film	109	12.07.07	-		Shot showing 3 air vents/ drains and top of concrete access point
34		Northern Outfall Sewer	35mm black and white film	109	12.07.07	1.00m		Shot showing 3 air vents/ drains and top of concrete access point
35		Northern Outfall Sewer	35mm black and white film	109	12.07.07	1.00m		Shot showing 3 air vents/ drains and top of concrete access point
36		Northern Outfall Sewer	35mm black and white film	109	12.07.07	1.00m		Shot showing 3 air vents/ drains and top of concrete access point

### 12.11 Photo register 11 Northern Outfall Sewer

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
								Shot showing concrete
								access point on north
		Northern Outfal	35mm colour			-		embankment, taken from it's base
1	OL-02507	Sewer	slide film	110	12.07.07		S	base
								Shot showing concrete
								access point on north
		Northern Outfal	l35mm colour			-		embankment, taken from it's base
2	OL-02507	Sewer	slide film	110	12.07.07		S	vase
								Shot showing concrete
								access point on north
		Northern Outfal	135mm colour			-		embankment, taken from it's base
3	OL-02507	Sewer	slide film	110	12.07.07		S	vasc
								Shot showing concrete
						1.00		access point on north
		Northern Outfal	l35mm colour			1.00m		embankment, taken from it's base
4	OL-02507	Sewer	slide film	110	12.07.07		S	base
								Shot showing concrete
						1.00		access point on north
		Northern Outfal	l35mm colour			1.00m		embankment, taken from it's base
5	OL-02507	Sewer	slide film	110	12.07.07		S	vase
								Shot showing concrete
						4.00		access point on north
		Northern Outfal	l35mm colour			1.00m		embankment, taken from it's base
6	OL-02507	Sewer	slide film	110	12.07.07		S	base
								Shot showing profile of
		Northern Outfal	l35mm colour			-		north embankment
7	OL-02507	Sewer	slide film	110	12.07.07		E	
								Shot showing profile of
		Northern Outfal	l35mm colour			-		north embankment
8	OL-02507	Sewer	slide film	110	12.07.07		E	
								Shot showing profile of
		Northern Outfal	l35mm colour			-		north embankment
9	OL-02507	Sewer	slide film	110	12.07.07		Е	
								Shot showing profile of
		Northern Outfal	135mm colour			1.00m		north embankment
10	OL-02507	Sewer	slide film	110	12.07.07		Е	
								Shot showing profile of
		Northern Outfal	135mm colour			1.00m		north embankment
11	OL-02507	Sewer	slide film	110	12.07.07		Е	
								Shot showing profile of
		Northern Outfal	l35mm colour			1.00m		north embankment
12	OL-02507	Sewer	slide film	110	12.07.07		Е	
								Shot showing profile of
		Northern Outfal	l35mm colour			-		north embankment
13	OL-02507	Sewer	slide film	110	12.07.07		W	
								Shot showing profile of
		Northern Outfal	l35mm colour			-		north embankment
14	OL-02507	Sewer	slide film	110	12.07.07		W	
								Shot showing profile of
		Northern Outfal	l35mm colour			-		north embankment
15	OL-02507	Sewer	slide film	110	12.07.07		W	
								Shot showing profile of
		Northern Outfal	l35mm colour			1.00m		north embankment
16	OL-02507	Sewer	slide film	110	12.07.07		W	
<u> </u>						1	1	I.

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
								Shot showing profile of
		Northern Outfal	35mm colour			1.00m		north embankment
17	OL-02507	Sewer	slide film	110	12.07.07		W	Shot showing profile of
						1.00m		Shot showing profile of north embankment
18	OL-02507	Northern Outfal Sewer	35mm colour slide film	110	12.07.07	1.00111	W	
10	OE 02307	Sewer .	Silde IIIII	110	12.07.07		***	Detailed photograph
								showing metal base plate of handrail riveted into
						-		concrete of access point
			35mm colour					•
19	OL-02507	Sewer	slide film	110	12.07.07		Е	Detailed photograph
								showing metal base plate of
						_		handrail riveted into
		Northern Outfal	35mm colour					concrete of access point
20	OL-02507	Sewer	slide film	110	12.07.07		Е	
								Detailed photograph
								showing metal base plate of handrail riveted into
						-		concrete of access point
21	OL-02507	Northern Outfal Sewer	35mm colour slide film	110	12.07.07		Е	
21	OL-02307	Sewer	siide iiiiii	110	12.07.07		E	Detailed photograph
								showing metal base plate of
						0.20m		handrail riveted into concrete of access point
		Northern Outfal	35mm colour					concrete of access point
22	OL-02507	Sewer	slide film	110	12.07.07		Е	
								Detailed photograph showing metal base plate of
						0.20m		handrail riveted into
		N 4 O (C)	125 1			0.20111		concrete of access point
23	OL-02507	Northern Outfal Sewer	35mm colour slide film	110	12.07.07		Е	
				<u> </u>				Detailed photograph
								showing metal base plate of handrail riveted into
						0.20m		concrete of access point
	01.00505		35mm colour	440	10.05.05		-	
24	OL-02507	Sewer	slide film	110	12.07.07		Е	Shot showing junction
								between metal railing and
		Northern Outfal	l35mm colour			-		eastern end of railway bridge
25	OL-02507	Sewer	slide film	110	12.07.07		Е	
								Shot showing junction
						-		between metal railing and eastern end of railway bridge
26	01 02507		35mm colour	110	12.05.05			,,
26	OL-02507	Sewer	slide film	110	12.07.07		Е	Shot showing junction
								between metal railing and
		Northern Outfal	l 35mm colour			-		eastern end of railway bridge
27	OL-02507	Sewer	slide film	110	12.07.07		Е	
								Shot showing junction
						0.20m		between metal railing and eastern end of railway bridge
20	01.02507		35mm colour	110	12.07.07		F	,
28	OL-02507	Sewer	slide film	110	12.07.07		Е	Shot showing junction
								between metal railing and
		Northern Outfal	l 35mm colour			0.20m		eastern end of railway bridge
29	OL-02507	Sewer	slide film	110	12.07.07		Е	
								Shot showing junction
						0.20m		between metal railing and eastern end of railway bridge
20	OI 02507		35mm colour	110	10.07.07		F	
30	OL-02507	Sewer	slide film	110	12.07.07		Е	

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
			35mm colour			-		Shot showing W side of railway bridge on north embankment with safety railing and Greenway footpath
31	OL-02507	Sewer	slide film	110	12.07.07		W	C14 -1i W -: 4 C
32	OL-02507	Northern Outfall Sewer	35mm colour	110	12.07.07	-	W	Shot showing W side of railway bridge on north embankment with safety railing and Greenway footpath
33			35mm colour	110	12.07.07	-	W	Shot showing W side of railway bridge on north embankment with safety railing and Greenway footpath
34			35mm colour	110	12.07.07	0.20m	W	Shot showing W side of railway bridge on north embankment with safety railing and Greenway footpath
35			35mm colour	110	12.07.07	0.20m	W	Shot showing W side of railway bridge on north embankment with safety railing and Greenway footpath
36		Northern Outfall	35mm colour slide film	110	12.07.07	0.20m	W	Shot showing W side of railway bridge on north embankment with safety railing and Greenway footpath

### 12.12 Photo register 12 Northern Outfall Sewer

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
								Shot showing concrete
			35mm black			_		access point on north embankment, taken from it's
		Northern Outfall	and white					base
1	OL-02507	Sewer	film	111	12.07.07		S	
								Shot showing concrete access point on north
			35mm black			-		embankment, taken from it's
	01 02507	Northern Outfall		111	12.07.07		C	base
2	OL-02507	Sewer	film	111	12.07.07		S	Shot showing concrete
								access point on north
		N 4 0 (C1)	35mm black			-		embankment, taken from it's
3	OL-02507	Northern Outfall Sewer	and white film	111	12.07.07		S	base
							-	Shot showing concrete
			25 1.11.			1.00		access point on north
		Northern Outfall	35mm black and white			1.00m		embankment, taken from it's base
4	OL-02507	Sewer	film	111	12.07.07		S	
								Shot showing concrete
			35mm black			1.00m		access point on north embankment, taken from it's
		Northern Outfall				1.00111		base
5	OL-02507	Sewer	film	111	12.07.07		S	
								Shot showing concrete access point on north
			35mm black			1.00m		embankment, taken from it's
	01.00505	Northern Outfall			12.05.05			base
6	OL-02507	Sewer	film	111	12.07.07		S	Shot showing profile of
			35mm black					north embankment
7	OL-02507	Northern Outfall Sewer	and white film	111	12.07.07	-	Е	
	OL-02307	Sewei		111	12.07.07		E	Shot showing profile of
		Northern Outfall	35mm black and white			_		north embankment
8	OL-02507	Sewer	film	111	12.07.07		Е	
			25 1.11.					Shot showing profile of
		Northern Outfall	35mm black and white			-		north embankment
9	OL-02507	Sewer	film	111	12.07.07		Е	
			35mm black					Shot showing profile of
		Northern Outfall	and white			1.00m		north embankment
10	OL-02507	Sewer	film	111	12.07.07		Е	G1
			35mm black			4.00		Shot showing profile of north embankment
		Northern Outfall			12.05.05	1.00m	_	north chicankment
11	OL-02507	Sewer	film	111	12.07.07		Е	Shot showing profile of
			35mm black			1.00m		north embankment
12	OL-02507	Northern Outfall Sewer	and white film	111	12.07.07	1.00111	Е	
12	OL-02307	JCWCI		111	12.07.07		Е	Shot showing profile of
		Northern Outfall	35mm black			_		north embankment
13	OL-02507	Sewer	and white film	111	12.07.07		W	
								Shot showing profile of
		Northern Outfall				-		north embankment
14	OL-02507	Sewer	film	111	12.07.07		W	
			35mm black					Shot showing profile of
		Northern Outfall				-		north embankment
15	OL-02507	Sewer	film	111	12.07.07		W	
			35mm black			4.65		Shot showing profile of north embankment
1		Northern Outfall			400-0-	1.00m		norm emodikment
16	OL-02507	Sewer	film	111	12.07.07		W	

ID	SITE CODE	SITE NAME	FILM TY	YPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
			35mm b	olack					Shot showing profile of
		Northern Outfal	land v	vhite			1.00m		north embankment
17	OL-02507	Sewer	film		111	12.07.07		W	Shot showing profile of
		Northern Outfal		olack white			1.00m		north embankment
18	OL-02507	Sewer	film	viiite	111	12.07.07		W	
									Detailed photograph
									showing metal base plate of handrail riveted into
		N 4 O (C)		olack			-		concrete of access point
19	OL-02507	Northern Outfal Sewer	film w	white	111	12.07.07		Е	
									Detailed photograph
									showing metal base plate of handrail riveted into
				olack			-		concrete of access point
20	OL-02507	Northern Outfal Sewer	land v film	vhite	111	12.07.07		Е	
	02 02007	50 61				12.07.07			Detailed photograph
									showing metal base plate of handrail riveted into
			35mm b	olack			-		concrete of access point
21	OL-02507	Northern Outfal Sewer	land v film	white	111	12.07.07		E	
21	OL-02307	Sewei	111111		111	12.07.07		E	Detailed photograph
									showing metal base plate of
			35mm b	olack			0.20m		handrail riveted into concrete of access point
l		Northern Outfal	land v	white				_	
22	OL-02507	Sewer	film		111	12.07.07		Е	Detailed photograph
									showing metal base plate of
			35mm b	olack			0.20m		handrail riveted into concrete of access point
		Northern Outfal	land w	vhite					
23	OL-02507	Sewer	film		111	12.07.07		Е	Detailed photograph
									showing metal base plate of
			35mm b	olack			0.20m		handrail riveted into concrete of access point
		Northern Outfal		vhite					concrete of decess point
24	OL-02507	Sewer	film		111	12.07.07		Е	Shot showing junction
									Shot showing junction between metal railing and
		Northern Outfal		olack white			-		eastern end of railway bridge
25		Sewer Outlan	film	viiite	111	12.07.07		Е	
									Shot showing junction between metal railing and
				olack			-		eastern end of railway bridge
26	OL-02507	Northern Outfal Sewer	land v film	vhite	111	12.07.07		Е	
	2_ 02007								Shot showing junction
			35mm b	olack			_		between metal railing and eastern end of railway bridge
		Northern Outfal	land v	vhite		12.05.05		F	January or and or rainway or ago
27	OL-02507	Sewer	film		111	12.07.07		Е	Shot showing junction
			25.	.1.			0.20		between metal railing and
		Northern Outfal		olack white			0.20m		eastern end of railway bridge
28	OL-02507	Sewer	film		111	12.07.07		Е	01
									Shot showing junction between metal railing and
		Noutham 0 101		olack			0.20m		eastern end of railway bridge
29	OL-02507	Northern Outfal Sewer	land w film	white	111	12.07.07		Е	
									Shot showing junction
			35mm b	olack			0.20m		between metal railing and eastern end of railway bridge
20		Northern Outfal	land v	white	111	12.07.07		E	and the second of the second o
30	OL-02507	Sewer	film		111	12.07.07	<u> </u>	Е	

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
31		Northern Outfall Sewer	35mm black and white	111	12.07.07	-	W	Shot showing W side of railway bridge on north embankment with safety railing and Greenway footpath
32		Northern Outfall Sewer	35mm black	111	12.07.07	-	W	Shot showing W side of railway bridge on north embankment with safety railing and Greenway footpath
33	OL-02507	Northern Outfall Sewer	35mm black and white film	111	12.07.07	-	W	Shot showing W side of railway bridge on north embankment with safety railing and Greenway footpath
34		Northern Outfall Sewer	35mm black and white film	111	12.07.07	0.20m	W	Shot showing W side of railway bridge on north embankment with safety railing and Greenway footpath
35		Northern Outfall Sewer	35mm black and white film	111	12.07.07	0.20m	W	Shot showing W side of railway bridge on north embankment with safety railing and Greenway footpath
36		Northern Outfall Sewer	35mm black and white film	111	12.07.07	0.20m	W	Shot showing W side of railway bridge on north embankment with safety railing and Greenway footpath

### 12.13 Photo register 13 Northern Outfall Sewer

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
1	OL-02507		l 35mm colour	112	12.07.07	-	S	View of wooden fence remnant on south embankment at W end of railway bridge
2	OL-02507		l 35mm colour	112	12.07.07	-	S	View of wooden fence remnant on south embankment at W end of railway bridge
3	OL-02507		l 35mm colour slide film	112	12.07.07	-	S	View of wooden fence remnant on south embankment at W end of railway bridge
4	OL-02507	Northern Outfal Sewer	l 35mm colour slide film	112	12.07.07	1.00m	S	View of wooden fence remnant on south embankment at W end of railway bridge
5	OL-02507	Northern Outfal Sewer	l35mm colour slide film	112	12.07.07	1.00m	S	View of wooden fence remnant on south embankment at W end of railway bridge
6	OL-02507	Northern Outfal Sewer	l 35mm colour	112	12.07.07	1.00m	S	View of wooden fence remnant on south embankment at W end of railway bridge
7	OL-02507	Northern Outfal Sewer	l35mm colour slide film	112	12.07.07	-	E	General photograph of Greenway
		Northern Outfal	135mm colour			-		General photograph of Greenway
9	OL-02507 OL-02507	Sewer  Northern Outfal Sewer	slide film  135mm colour slide film	112	12.07.07	-	E E	General photograph of Greenway
9	OL-02307		l35mm colour	112	12.07.07	-	E	Shot of junction between metal railings and W end of railway bridge
10	OL-02507	Sewer  Northern Outfal	slide film	112	12.07.07	-	N	Shot of junction between metal railings and W end of railway bridge
11	OL-02507	Sewer	slide film	112	12.07.07	-	N	Shot of junction between metal railings and W end of railway bridge
12	OL-02507	Northern Outfal Sewer	l 35mm colour slide film	112	12.07.07		N	
		Northern Outfal	l35mm colour			1.00m		Shot of junction between metal railings and W end of railway bridge
13	OL-02507	Sewer  Northern Outfal Sewer	slide film  135mm colour slide film	112	12.07.07	1.00m	N N	Shot of junction between metal railings and W end of railway bridge
<u> </u>		j · · · <del></del>	1			1	,	I .

15   OL-02507   Sewer	ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
Northern   Outfall 35mm   colour   slide film   112   12.07.07   N   Detail   photograph   unction   between me railings and E end of railw on north embankment   Northern   Outfall 35mm   colour   slide film   112   12.07.07   N   Detail   photograph   unction   between me railings and E end of railw on north embankment   Northern   Outfall 35mm   colour   slide film   112   12.07.07   N   Detail   photograph   unction   between me railings and E end of railw on north embankment   Northern   Outfall 35mm   colour   slide film   112   12.07.07   N   Detail   photograph   unction   between me railings and E end of railw on north embankment   Northern   Outfall 35mm   colour   slide film   112   12.07.07   N   Detail   photograph   unction   Detween   me railings and   Detail   photograph   unction   Detween   unction   Detail   photograph   unction   Detween   unction   Detween   unction   Detween   unction   Detail   photograph   unction   Detween   unction   Detween   unction   Detween   unction   Detween   unction   Detween   unction   Detween   unction   Detail   photograph   unction   Detween   unction   Detail   photograph   unction   Detween   unction   Detail   photograph   unction   Detail   photograph   unction   Detail   Detail   photograph   unct									Shot of junction between metal railings and W end of
15   OL-02507   Sewer			N 41 0 46 11	125			1.00m		
16   OL-02507   Sewer   Side film   112   12.07.07   N   Detail photograph interion between me railings and E end of railvo on north embankment	15				112	12.07.07		N	
Northern   Outfall   35mm   colour									
16   OL-02507   Sewer   Slide film   112   12.07.07   N   Detail photograph junction between me railings and E end of raily on north embankment							-		railings and E end of railway
Northern Outfall 35mm colour slide film 112 12.07.07 Enable of failw on north embankment on the maintenance of the colour slide film 112 12.07.07 Enable of failw on north embankment on the maintenance of the colour slide film 112 12.07.07 Enable of failw on north embankment on the maintenance of the colour slide film 112 12.07.07 Enable of failw on north embankment on the maintenance of the colour slide film 112 12.07.07 Enable of failw on north embankment on the maintenance of the colour slide film 112 12.07.07 Enable of failw on north embankment on the maintenance of the colour slide film 112 12.07.07 Enable of failw on north embankment on the maintenance of the colour slide film 112 12.07.07 Enable of failw on south embankment on south embankme	16				112	12 07 07		N	on north embankment
Northern Outfall 35mm colour slide film 112 12.07.07 E Detail photograph junction between me railings and E end of railw on north embankment Northern Outfall 35mm colour slide film 112 12.07.07 E Detail photograph junction between me railings and E end of railw on north embankment Northern Outfall 35mm colour slide film 112 12.07.07 E Detail photograph junction between me railings and E end of railw on north embankment Sewer slide film 112 12.07.07 E Detail photograph junction between me railings and E end of railw on south embankment Sewer slide film 112 12.07.07 E Detail photograph junction between me railings and E end of railw on south embankment Sewer slide film 112 12.07.07 E Detail photograph junction between me railings and E end of railw on south embankment Sewer slide film 112 12.07.07 E Detail photograph junction between me railings and E end of railw on south embankment Sewer slide film 112 12.07.07 E Detail photograph junction between me railings and E end of railw on south embankment Sewer slide film 112 12.07.07 E Detail photograph junction between me railings and E end of railw on south embankment Sewer slide film 112 12.07.07 E Detail photograph junction between me railings and E end of railw on south embankment Sewer slide film 112 12.07.07 E Detail photograph junction between me railings and E end of railw on south embankment Sewer slide film 112 12.07.07 E Detail phot	10	OL 02307	Sewei	Silde IIIII	112	12.07.07		11	
17   OL-02507   Sewer   slide film   112   12.07.07   N   Detail photograph junction between me railings and E end of railw on north embankment   N   Detail photograph junction between me railings and E end of railw on north embankment   N   Detail photograph junction between me railings and E end of railw on north embankment   N   Detail photograph junction between me railings and E end of railw on north embankment   N   Detail photograph junction between me railings and E end of railw on north embankment   N   Detail photograph junction between me railings and E end of railw on north embankment   N   Detail photograph junction between me railings and E end of railw on north embankment   N   Detail photograph junction between me railings and E end of railw on north embankment   Detail photograph junction between me railings and E end of railw on south embankment   Detail photograph junction between me railings and E end of railw on south embankment   Detail photograph junction between me railings and E end of railw on south embankment   Detail photograph junction between me railings and E end of railw on south embankment   Detail photograph junction between me railings and E end of railw on south embankment   Detail photograph junction between me railings and E end of railw on south embankment   Detail photograph junction between me railings and E end of railw on south embankment   Detail photograph junction between me railings and E end of railw on south embankment   Detail photograph junction between me railings and E end of railw on south embankment   Detail photograph junction between me railings and E end of railw on south embankment   Detail photograph junction between me railings and E end of railw on south embankment   Detail photograph junction between me railings and E end of railw on south embankment   Detail photograph junction between me railings and E end of railw on south embankment   Detail photograph junction between me railings and E end of railw on south embankment   Detail photograph junc							_		
Northern Outfall 35mm colour slide film 112 12.07.07 End of raily on south embankment on s	1.7				110	12.07.07		27	
Northern   Outfall   35mm   colour	17	OL-02507	Sewer	slide film	112	12.07.07		N	Detail photograph of
Northern   Outfall   35mm   colour									junction between metal
Northern Outfall 35mm colour slide film 112 12.07.07 E  Northern Outfall 35mm colour slide film 112 12.07.07 Northern Outfall 35mm colour slide film 112 12.07.07 E  Northern Outfall 35mm colour slide film 112 12.07.07 E  Northern Outfall 35mm colour slide film 112 12.07.07 E  Northern Outfall 35mm colour slide film 112 12.07.07 E  Northern Outfall 35mm colour slide film 112 12.07.07 E  Northern Outfall 35mm colour slide film 112 12.07.07 E  Northern Outfall 35mm colour slide film 112 12.07.07 E  Northern Outfall 35mm colour slide film 112 12.07.07 E  Northern Outfall 35mm colour slide film 112 12.07.07 E  Northern Outfall 35mm colour slide film 112 12.07.07 E  Detail photograph junction between me railings and E end of railw on south embankment slide film 112 12.07.07 E  Detail photograph junction between me railings and E end of railw on south embankment slide film 112 12.07.07 E  Detail photograph junction between me railings and E end of railw on south embankment slide film 112 12.07.07 E  Detail photograph junction between me railings and E end of railw on south embankment slide film 112 12.07.07 E  Detail photograph junction between me railings and E end of railw on south embankment slide film 112 12.07.07 E  Detail photograph junction between me railings and E end of railw on south embankment slide film 112 12.07.07 E  Detail photograph junction between me railings and E end of railw on south embankment slide film 112 12.07.07 E  Detail photograph junction between me railings and E end of railw on south embankment slide film 112 12.07.07 E  Detail photograph junction between me railings and E end of railw on south embankment slide film 112 12.07.07 E			Northern Outfall	35mm colour			-		
Northern   Outfall   35mm   colour   slide film   112   12.07.07   Northern   Outfall   35mm   colour   Sewer   slide film   112   12.07.07   Northern   Outfall   35mm   colour   slide film   112   12.07.07   Northern   Outfall   35mm   colour   Sewer   slide film   112   12.07.07   Northern   Outfall   35mm   colour   Sewer   slide film   112   12.07.07   Northern   Outfall   35mm   colour   Sewer   slide film   112   12.07.07   Northern   Outfall   35mm   colour   Sewer   slide film   112   12.07.07   Northern   Outfall   35mm   colour   Sewer   slide film   112   12.07.07   Sewer   Slide fi	18	OL-02507	Sewer	slide film	112	12.07.07		N	D + 11 1 1 1 0
Northern   Outfall   35mm   colour									junction between metal
19 OL-02507   Sewer   Slide film   112   12.07.07   N   Detail photograph junction between me railings and E end of raily on north embankment			Northern Outfall	35mm colour			0.50m		railings and E end of railway
Northern   Outfall   35mm   colour   slide film   112   12.07.07   E   OL-02507   Sewer   slide film   112   12.07.07   E   OL-02507   Outfall   35mm   colour   slide film   112   12.07.07   Outfall   35mm	19				112	12.07.07		N	
Northern Outfall 35mm colour slide film 112 12.07.07									
20 OL-02507   Sewer   slide film   112   12.07.07   N   Detail photograph junction between me railings and E end of railw on south embankment			N. 41 0 (C.11	105			0.50m		railings and E end of railway
Northern Outfall 35mm colour Sewer Slide film 112 12.07.07 N Detail photograph junction between me railings and E end of railw on south embankment  22 OL-02507 Sewer Slide film 112 12.07.07 E  Northern Outfall 35mm colour Sewer Slide film 112 12.07.07 E  OL-02507 Sewer Slide film 112 12.07.07 E	20				112	12.07.07		N	on north embankment
Northern   Outfall   35mm   colour   Sewer   slide film   112   12.07.07   Northern   Outfall   35mm   colour   Sewer   slide film   112   12.07.07   E     Detail   photograph   junction   between   me railings and E end of railw   on south embankment   Outfall   35mm   colour   slide film   112   12.07.07   E     Detail   photograph   junction   between   me railings and E end of railw   on south embankment   Outfall   35mm   colour   slide film   112   12.07.07   E     Detail   photograph   junction   between   me railings and E end of railw   on south embankment   Outfall   35mm   colour   Sewer   slide film   112   12.07.07   E     Detail   photograph   junction   between   me railings and E end of railw   on south embankment   Outfall   35mm   colour   Sewer   slide film   112   12.07.07   E     Detail   photograph   junction   between   me railings and E end of railw   on south embankment   Outfall   35mm   colour   sewer   slide film   112   12.07.07   E   OL-02507   Detail   photograph   junction   Detween   me railings and E end of railw   On south embankment   Outfall   35mm   colour   sewer   slide film   112   12.07.07   E   OL-02507   Detail   photograph   junction   Detween   me railings and E end of railw   On south embankment   Outfall   35mm   colour   sewer   Sewer   slide film   112   12.07.07   E   OL-02507   Detail   photograph   junction   Detween   me railings and E end of railw   On south embankment   Outfall   OL-02507   OL									1 5 1
21 OL-02507   Sewer   Slide film   112   12.07.07   N   Detail photograph junction between me railings and E end of railw on south embankment							0.50m		railings and E end of railway
Northern Outfall 35mm colour slide film 112 12.07.07 E  OL-02507 Sewer Sewer Slide film 112 12.07.07 E  Detail photograph junction between me railings and E end of railw on south embankment  Detail photograph junction between me railings and E end of railw on south embankment  Detail photograph junction between me railings and E end of railw on south embankment  Northern Outfall 35mm colour slide film 112 12.07.07 E  OL-02507 Sewer Sewer Slide film 112 12.07.07 E  Detail photograph junction between me railings and E end of railw on south embankment  Detail photograph junction between me railings and E end of railw on south embankment  Detail photograph junction between me railings and E end of railw on south embankment  Northern Outfall 35mm colour slide film 112 12.07.07 E  OL-02507 Sewer Sewer Slide film 112 12.07.07 E  Detail photograph junction between me railings and E end of railw on south embankment  Detail photograph junction between me railings and E end of railw on south embankment  Detail photograph junction between me railings and E end of railw on south embankment  Detail photograph junction between me railings and E end of railw on south embankment  Detail photograph junction between me railings and E end of railw on south embankment  Detail photograph junction between me railings and E end of railw on south embankment	21				112	12 07 07		N	on north embankment
Northern   Outfall   35mm   colour   slide film   112   12.07.07   E     Detail   photograph   junction   between   me railings and E end of railw   on south embankment		02 02007	Se wer	51140 11111	112	12.07.07			1 5 1
Northern   Outfall   35mm   colour   slide film   112   12.07.07   E   Detail   photograph   junction   between   me   railings and E   end of railw   on south embankment							_		
Northern Outfall 35mm colour Sewer Slide film 112 12.07.07 E  OL-02507 Sewer Slide film 112 12.07.07 E  Detail photograph junction between me railings and E end of railw on south embankment  Detail photograph junction between me railings and E end of railw on south embankment  Outfall 35mm colour Sewer Slide film 112 12.07.07 E  OL-02507 Sewer Sewer Slide film 112 12.07.07 E  Detail photograph junction between me railings and E end of railw on south embankment  1.00m Detail photograph junction between me railings and E end of railw on south embankment  Detail photograph junction between me railings and E end of railw on south embankment  Outfall 35mm colour Sewer Slide film 112 12.07.07 E  Detail photograph junction between me railings and E end of railw on south embankment  Detail photograph junction between me railings and E end of railw on south embankment  Detail photograph junction between me railings and E end of railw on south embankment	22				112	12.07.07		E	
OL-02507 Sewer Slide film 112 12.07.07 E	22	OL-02307	Sewer	siide iiiiii	112	12.07.07		E	Detail photograph of
Northern   Outfall   35mm   colour   slide film   112   12.07.07   E     Detail   photograph   junction   between   me railings and E end of railw   on south embankment							_		
Northern Outfall 35mm colour slide film 112 12.07.07 E    Detail photograph junction between me railings and E end of railw on south embankment									
Northern Outfall 35mm colour Sewer slide film 112 12.07.07 E    Detail photograph junction between me railings and E end of railw on south embankment	23	OL-02507	Sewer	slide film	112	12.07.07		Е	Detail photograph of
Northern Outfall 35mm colour slide film 112 12.07.07 E    Detail photograph junction between me railings and E end of railw on south embankment									junction between metal
Northern Outfall 35mm colour Sewer slide film 112 12.07.07 E  Northern Outfall 35mm colour Sewer Slide film 112 12.07.07 E  OL-02507 Sewer Slide film 112 12.07.07 E  OL-02507 Sewer Slide film 112 12.07.07 E  Detail photograph junction between me railings and E end of railw on south embankment  Detail photograph junction between me railings and E end of railw on south embankment  Detail photograph junction between me railings and E end of railw on south embankment  Detail photograph junction between me			Northern Outfall	35mm colour			-		
Northern Outfall 35mm colour Sewer slide film 112 12.07.07 E    Detail photograph junction between me railings and E end of railwon south embankment	24	OL-02507	Sewer	slide film	112	12.07.07		Е	
Northern Outfall 35mm colour slide film 112 12.07.07 E  OL-02507 Sewer slide film 112 12.07.07 E  OL-02507 Sewer slide film 112 12.07.07 E  OL-02507 Sewer slide film 112 12.07.07 E  Detail photograph junction between me railings and E end of railw on south embankment south emba									junction between metal
25 OL-02507 Sewer slide film 112 12.07.07 E  Detail photograph junction between me railings and E end of railw on south embankment  Detail photograph junction between me railings and E end of railw on south embankment  Detail photograph junction between me			Northern Outfall	35mm colour			1.00m		railings and E end of railway
Northern Outfall 35mm colour 26 OL-02507 Sewer slide film 112 12.07.07 E junction between me railings and E end of railw on south embankment  Detail photograph junction between me	25				112	12.07.07		Е	
Northern Outfall 35mm colour Sewer slide film 112 12.07.07 E  1.00m railings and E end of railw on south embankment  E Detail photograph junction between me									
26 OL-02507 Sewer slide film 112 12.07.07 E  Detail photograph junction between me			NI	25 1			1.00m		railings and E end of railway
junction between me	26				112	12.07.07		Е	on south embankment
							1.00m		railings and E end of railway
Northern Outfall 35mm colour on south embankment E	27				112	12.07.07		Е	on south embankment
Shot of north embankme		= 02007							Shot of north embankment
									showing modern net fencing in front of original metal
railings			<b>N.</b> 4 - 6 - 7	105			-		e e
Northern Outfall   35mm colour					112	12 07 07		F	

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
		Northern Outfall	35mm colour			-		Shot of north embankment showing modern net fencing in front of original metal railings
29	OL-02507	Sewer	slide film	112	12.07.07		Е	
			35mm colour		10.07.07	-		Shot of north embankment showing modern net fencing in front of original metal railings
30	OL-02507	Sewer	slide film	112	12.07.07		Е	Shot showing 4 air
		Northern Outfall	35mm colour			-		shot showing 4 an vents/drains inset on footpath and metal fencing on north side of Greenway
31	OL-02507	Sewer	slide film	112	12.07.07		N	
32	OL-02507	Northern Outfall Sewer	35mm colour	112	12.07.07	-	N	Shot showing 4 air vents/drains inset on footpath and metal fencing on north side of Greenway
32	OL-02307	Sewer	siide iiiiii	112	12.07.07		IN	Shot showing 4 air
33	OL-02507	Northern Outfall Sewer	35mm colour	112	12.07.07	-	N	vents/drains inset on footpath and metal fencing on north side of Greenway
	GB 02007		35mm colour	112	12.07.07	0.50m		Shot showing 4 air vents/drains inset on footpath and metal fencing on north side of Greenway
34	OL-02507	Sewer	slide film	112	12.07.07		N	
35	OL-02507	Northern Outfall Sewer	35mm colour	112	12.07.07	0.50m	N	Shot showing 4 air vents/drains inset on footpath and metal fencing on north side of Greenway
33			35mm colour	112	12.07.07	0.50m	14	Shot showing 4 air vents/drains inset on footpath and metal fencing on north side of Greenway
36		Sewer	slide film	112	12.07.07		N	

## 12.14 Photo register 14 Northern Outfall Sewer

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
		Northern Outfall	35mm black	TENTIO	DITE	-	DIRECTION	View of wooden fence remnant on south embankment at W end of railway bridge
2	OL-02507	Sewer  Northern Outfall Sewer	film  35mm black and white film	113	12.07.07	-	S S	View of wooden fence remnant on south embankment at W end of railway bridge
3	OL-02507	Northern Outfall Sewer	35mm black	113	12.07.07	-	S	View of wooden fence remnant on south embankment at W end of railway bridge
4	OL-02507	Northern Outfall Sewer	35mm black and white film	113	12.07.07	1.00m	S	View of wooden fence remnant on south embankment at W end of railway bridge
5	OL-02507	Northern Outfall Sewer	35mm black and white film	113	12.07.07	1.00m	S	View of wooden fence remnant on south embankment at W end of railway bridge
6	OL-02507	Northern Outfall Sewer	35mm black and white film	113	12.07.07	1.00m	S	View of wooden fence remnant on south embankment at W end of railway bridge
7	OL-02507	Northern Outfall Sewer	35mm black and white film	113	12.07.07	-	E	General photograph of Greenway
8		Northern Outfall Sewer	35mm black	113	12.07.07	-	E	General photograph of Greenway
9		Northern Outfall Sewer	35mm black	113	12.07.07	-	E	General photograph of Greenway
		Northern Outfall	35mm black and white			-		Shot of junction between metal railings and W end of railway bridge
10		Sewer  Northern Outfall		113	12.07.07	-	N	Shot of junction between metal railings and W end of railway bridge
11		Sewer  Northern Outfall		113	12.07.07	-	N	Shot of junction between metal railings and W end of railway bridge
12	OL-02507	Sewer  Northern Outfall	film  35mm black and white	113	12.07.07	1.00m	N	Shot of junction between metal railings and W end of railway bridge
13		Sewer  Northern Outfall	film 35mm black	113	12.07.07	1.00m	N	Shot of junction between metal railings and W end of railway bridge
14	OL-02507	Sewer	film	113	12.07.07		N	

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
		Northern Outfall	35mm black			1.00m		Shot of junction between metal railings and W end of railway bridge
15	OL-02507	Sewer	film	113	12.07.07		N	
16	OL-02507	Northern Outfall Sewer	35mm black and white film	113	12.07.07	-	N	Detail photograph of junction between metal railings and E end of railway on north embankment
17	OL-02507	Northern Outfall Sewer	35mm black and white film	113	12.07.07	-	N	Detail photograph of junction between metal railings and E end of railway on north embankment
18		Northern Outfall Sewer	35mm black	113	12.07.07	-	N	Detail photograph of junction between metal railings and E end of railway on north embankment
19	OL-02507	Northern Outfall Sewer	35mm black	113	12.07.07	0.50m	N	Detail photograph of junction between metal railings and E end of railway on north embankment
20	OL-02507	Northern Outfall Sewer	35mm black	113	12.07.07	0.50m	N	Detail photograph of junction between metal railings and E end of railway on north embankment
21		Northern Outfall Sewer	35mm black	113	12.07.07	0.50m	N	Detail photograph of junction between metal railings and E end of railway on north embankment
22	OL-02507	Northern Outfall Sewer	35mm black and white film	113	12.07.07	-	E	Detail photograph of junction between metal railings and E end of railway on south embankment
23	OL-02507	Northern Outfall Sewer	35mm black	113	12.07.07	-	E	Detail photograph of junction between metal railings and E end of railway on south embankment
24	OL-02507	Northern Outfall Sewer	35mm black and white film	113	12.07.07	-	E	Detail photograph of junction between metal railings and E end of railway on south embankment
25	OL-02507	Northern Outfall Sewer	35mm black and white film	113	12.07.07	1.00m	E	Detail photograph of junction between metal railings and E end of railway on south embankment
26	OL-02507	Northern Outfall Sewer	35mm black and white film	113	12.07.07	1.00m	E	Detail photograph of junction between metal railings and E end of railway on south embankment
27	OL-02507	Northern Outfall Sewer	35mm black and white film	113	12.07.07	1.00m	E	Detail photograph of junction between metal railings and E end of railway on south embankment
28	OL-02507	Northern Outfall Sewer	35mm black	113	12.07.07	-	E	Shot of north embankment showing modern net fencing in front of original metal railings

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
		Northern Outfall	35mm black			-		Shot of north embankment showing modern net fencing in front of original metal railings
29	OL-02507	Sewer	film	113	12.07.07		Е	
30	OL-02507	Northern Outfall Sewer	35mm black and white film	113	12.07.07	-	E	Shot of north embankment showing modern net fencing in front of original metal railings
30	OL-02307	Sewer	nım	113	12.07.07		Е	Shot showing 4 air
		Northern Outfall	35mm black			-		vents/drains inset on footpath and metal fencing on north side of Greenway
31	OL-02507	Sewer	film	113	12.07.07		N	
32	OL-02507	Northern Outfall Sewer	35mm black and white film	113	12.07.07	-	N	Shot showing 4 air vents/drains inset on footpath and metal fencing on north side of Greenway
33	OL-02507	Northern Outfall Sewer	35mm black and white film	113	12.07.07	-	N	Shot showing 4 air vents/drains inset on footpath and metal fencing on north side of Greenway
34	OL-02507	Northern Outfall Sewer	35mm black and white film	113	12.07.07	0.50m	N	Shot showing 4 air vents/drains inset on footpath and metal fencing on north side of Greenway
		Northern Outfall				0.50m		Shot showing 4 air vents/drains inset on footpath and metal fencing on north side of Greenway
35	OL-02507	Sewer	film	113	12.07.07		N	Chat shaving 4 -in
36		Northern Outfall Sewer	35mm black and white film	113	12.07.07	0.50m	N	Shot showing 4 air vents/drains inset on footpath and metal fencing on north side of Greenway

### 12.15 Photo register 15 Northern Outfall Sewer

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
1	OL-02507	Northern Outfal Sewer	l 35mm colour	114	12.07.07	-	E-SE	General photograph showing eastern most end of Greenway and E end of railway bridge
2	OL-02507		l 35mm colour	114	12.07.07	-	E-SE	General photograph showing eastern most end of Greenway and E end of railway bridge
3	OL-02507		l35mm colour	114	12.07.07	-	E-SE	General photograph showing eastern most end of Greenway and E end of railway bridge
4	OL-02507	Northern Outfal Sewer	l35mm colour slide film	114	12.07.07	-	E	General photograph showing eastern most end of Greenway with 3 air vent/drains in foreground
	GE 02307		l 35mm colour	111	12.07.07	-	E .	General photograph showing eastern most end of Greenway with 3 air vent/drains in foreground
5	OL-02507	Sewer Oddar	slide film	114	12.07.07		Е	
			l35mm colour			-		General photograph showing eastern most end of Greenway with 3 air vent/drains in foreground
6	OL-02507	Sewer	slide film	114	12.07.07		Е	Shot of access point 2
7	OL-02507	Northern Outfal Sewer	l 35mm colour slide film	114	12.07.07	-	E	staircase on south embankment
8	OL-02507	Northern Outfal Sewer	l 35mm colour slide film	114	12.07.07	-	E	Shot of access point 2 staircase on south embankment
9	OL-02507	Northern Outfal Sewer	l 35mm colour slide film	114	12.07.07	-	E	Shot of access point 2 staircase on south embankment
10	OL-02507	Northern Outfal Sewer	l 35mm colour slide film	114	12.07.07	1.00m	E	Shot of access point 2 staircase on south embankment
11	OL-02507	Northern Outfal Sewer	l 35mm colour slide film	114	12.07.07	1.00m	E	Shot of access point 2 staircase on south embankment
12	OL-02507	Northern Outfal Sewer	l 35mm colour slide film	114	12.07.07	1.00m	E	Shot of access point 2 staircase on south embankment
			135mm colour			-		Shot towards base of stairwell on access point 2 on south embankment
13	OL-02507	Sewer	slide film	114	12.07.07	-	S-SW	Shot towards base of stairwell on access point 2 on south embankment
14	OL-02507	Northern Outfal Sewer	l 35mm colour slide film	114	12.07.07		S-SW	

ID	SITE CODE	SITE N	AME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
									Shot towards base of
							-		stairwell on access point 2 on south embankment
15	OL-02507	Northern Sewer	Outfall	35mm colour slide film	114	12.07.07		C CW	
13	OL-02307	Sewer		siide iiiiii	114	12.07.07		S-SW	Detail photograph
		Northern	Outfall	35mm colour			-		showing welded joints of
16	OL-02507	Sewer	O dividir	slide film	114	12.07.07		S-SW	access point 2's safety rail
									Detail photograph showing welded joints of
17		Northern Sewer	Outfall	35mm colour slide film	114	12.07.07	-	S-SW	access point 2's safety rail
17	OL-02507	Sewer		siide iiiiii	114	12.07.07		5-5 W	Detail photograph
		Northern	Outfall	35mm colour			-		showing welded joints of
18		Sewer		slide film	114	12.07.07		S-SW	access point 2's safety rail
							0.50		Detail photograph showing welded joints of
10		Northern Sewer	Outfall	35mm colour slide film	114	12.07.07	0.50m	C CW	access point 2's safety rail
19	OL-02507	Sewer		siide iiim	114	12.07.07		S-SW	Detail photograph
		Northern	Outfall	35mm colour			0.50m		showing welded joints of
20	OL-02507	Sewer	O dividir	slide film	114	12.07.07		S-SW	access point 2's safety rail
									Detail photograph showing welded joints of
21		Northern	Outfall	35mm colour slide film	114	12.07.07	0.50m	C CW	access point 2's safety rail
21	OL-02507	Sewer		siide iiim	114	12.07.07		S-SW	Shot showing top of ramp of
									access point 2 on south
							-		embankment and east end of Greenway
		Northern	Outfall	35mm colour					
22	OL-02507	Sewer		slide film	114	12.07.07		E-SE	Shot showing top of ramp of
									access point 2 on south
							-		embankment and east end of Greenway
		Northern	Outfall	35mm colour					Greenway
23	OL-02507	Sewer		slide film	114	12.07.07		E-SE	G1 + 1 · · · · · · · · · · · ·
									Shot showing top of ramp of access point 2 on south
							_		embankment and east end of
		Northern	Outfall	35mm colour					Greenway
24	OL-02507	Sewer		slide film	114	12.07.07		E-SE	
									Shot showing top of ramp of access point 2 on south
							1.00m		embankment and east end of
		Northern	Outfall	35mm colour			1.00111		Greenway
25	OL-02507	Sewer	Outlan	slide film	114	12.07.07		E-SE	
									Shot showing top of ramp of access point 2 on south
							1.00m		embankment and east end of
		NI1	0.40.22	25			1.00m		Greenway
26		Northern Sewer	Outfall	35mm colour slide film	114	12.07.07		E-SE	
									Shot showing top of ramp of
									access point 2 on south embankment and east end of
							1.00m		Greenway
27		Northern Sewer	Outfall	35mm colour slide film	114	12.07.07		E-SE	
27	02 02307	20.701			111	12.07.07		E SE	Shot showing eastern extent
		Northern	Outfall	35mm colour			-		of Greenway, west of railway bridge
28		Sewer		slide film	114	12.07.07		N-NW	, ,
									Shot showing eastern extent of Greenway, west of
29		Northern Sewer	Outfall	35mm colour slide film	114	12.07.07	-	N-NW	railway bridge
23	OL-02307	Sewei		onde mm	117	12.07.07		T A - T A AA	Shot showing eastern extent
		Northern	Outfall	35mm colour			-		of Greenway, west of
30		Sewer		slide film	114	12.07.07		N-NW	railway bridge

ID	SITE CODE	CITE NAME	EII M TYDE	EH M NO	DATE	SCALE	DIRECTION	COMMENTS
ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
								Shot showing terminus of Greenway immediately
						_		before railway line
		Northern Outfall	35mm colour					before fairway fine
31	OL-02507	Sewer	slide film	114	12.07.07		E-SE	
								Shot showing terminus of
								Greenway immediately
		Northern Outfall	35mm colour			-		before railway line
32		Sewer	slide film	114	12.07.07		E-SE	
32	OL 02307	Se wei	Silde IIIII	117	12.07.07		L SL	Shot showing terminus of
								Greenway immediately
						-		before railway line
			35mm colour					
33	OL-02507	Sewer	slide film	114	12.07.07		E-SE	21
								Shot of 4 pre-cast concrete
						_		slabs on grass verge of north embankment
		Northern Outfall	35mm colour					Cilibankinent
34	OL-02507	Sewer	slide film	114	12.07.07		W	
								Shot of 4 pre-cast concrete
								slabs on grass verge of north
		NI - 11 - 11	35mm colour			-		embankment
35		Northern Outfall Sewer	slide film	114	12.07.07		W	
	GE 32307	50 11 61	Silde IIIII	117	12.07.07		**	Shot of 4 pre-cast concrete
								slabs on grass verge of north
						-		embankment
			35mm colour					
36	OL-02507	Sewer	slide film	114	12.07.07		W	<b> </b>

### 12.16 Photo register 16 Northern Outfall Sewer

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
1	OL-02507	Northern Outfall Sewer	35mm black and white film	115	12.07.07	-	E-SE	General photograph showing eastern most end of Greenway and E end of railway bridge
2	OL-02507	Northern Outfall Sewer	35mm black	115	12.07.07	-	E-SE	General photograph showing eastern most end of Greenway and E end of railway bridge
3	OL-02507	Northern Outfall Sewer	35mm black and white film	115	12.07.07	-	E-SE	General photograph showing eastern most end of Greenway and E end of railway bridge
4	OL-02507	Northern Outfall Sewer	35mm black and white film	115	12.07.07	-	E	General photograph showing eastern most end of Greenway with 3 air vent/drains in foreground
5	OL-02507	Northern Outfall	35mm black and white film	115	12.07.07	-	E	General photograph showing eastern most end of Greenway with 3 air vent/drains in foreground
5		Sewer  Northern Outfall	35mm black and white			-	Е	General photograph showing eastern most end of Greenway with 3 air vent/drains in foreground
7	OL-02507 OL-02507	Sewer  Northern Outfall Sewer	film  35mm black and white film	115	12.07.07	-	E E	Shot of access point 2 staircase on south embankment
8	OL-02507	Northern Outfall Sewer	35mm black	115	12.07.07	-	E	Shot of access point 2 staircase on south embankment
9	OL-02507	Northern Outfall Sewer	35mm black and white film	115	12.07.07	-	E	Shot of access point 2 staircase on south embankment
10	OL-02507	Northern Outfall Sewer	35mm black and white film	115	12.07.07	1.00m	Е	Shot of access point 2 staircase on south embankment
11	OL-02507	Northern Outfall Sewer	35mm black and white film	115	12.07.07	1.00m	Е	Shot of access point 2 staircase on south embankment
12	OL-02507	Northern Outfall Sewer	35mm black and white film	115	12.07.07	1.00m	E	Shot of access point 2 staircase on south embankment
13	OL-02507	Northern Outfall Sewer	35mm black and white film	115	12.07.07	-	S-SW	Shot towards base of stairwell on access point 2 on south embankment
14		Northern Outfall Sewer	35mm black	115	12.07.07	-	S-SW	Shot towards base of stairwell on access point 2 on south embankment

15   O1-02507   Sewer   Sewe										DIRECTION	
15   OL-02507   Sewer   Outfall and white   115   12.07.07   S-SW   Detail photo showing welded join access point 2's safety r.											
15	ĺ				35mm	black			_		
16					and						on go dan emodiment
Northern   Outfall and   Some   Marker   Some   S	15	OL-02507	Sewer		film		115	12.07.07		S-SW	Detail photograp
16									_		showing welded joints of
17   OL-02507   Sewer   Outfall and white   115   12.07.07   S.SW   Detail photo showing welded join access point 2's safety r.	16			Outfall		white	115	12 07 07	-	S-SW	access point 2's safety rail
17   OL-02507   Sewer   Sewe	10	OL-02307	Sewei				113	12.07.07		5-5 W	Detail photograp
17			Northern	Outfall					-		showing welded joints of
18	17			Outluit		Willie	115	12.07.07		S-SW	access point 2's safety rail
18   OL-02507   Sewer   Sewer   Samm   black   OL-02507   Sewer   Samm   bla					35mm	black					1 5 1
18									-		access point 2's safety rail
Sommon   S	18	OL-02507	Sewer		film		115	12.07.07		S-SW	1
19   OL-02507   Sewer   Sewe				0 .0.11					0.50m		showing welded joints of
Northern Outfall and film 115 12.07.07 Sewer Sew	19			Outfall		white	115	12 07 07	0.50111	S-SW	access point 2's safety rail
20 OL-02507   Sewer	17	02 02007	501101				110	12.07.07		2 2	
20			Northern						0.50m		showing welded joints of
Showing welded join access point 2 showing top of rate access point 2 on embankment and east e Greenway	20	OL-02507	Sewer		film		115	12.07.07		S-SW	1
Northern   Outfall   Sewer   Sewer   Sewer   Sewer   Sewer   Shot showing top of rate access point 2 on embankment and east e Greenway					35mm	black					
Shot showing top of ran access point 2 on embankment and east of Greenway				Outfall		white			0.50m		access point 2's safety rail
22 OL-02507   Sewer   Outfall and Film   Some black white   Shot showing top of range access point 2 on embankment and east e Greenway	21	OL-02507	Sewer		film		115	12.07.07		S-SW	Shot showing ton of rome of
22 OL-02507   Sewer   Outfall and film   115   12.07.07   E-SE   Shot showing top of ran access point 2 on embankment and east e Greenway											access point 2 on sout
Northern   Outfall and   Sewer   Silm   Sewer   Silm   Shot showing top of rate access point 2 on embankment and east e Greenway									-		embankment and east end of
22   OL-02507   Sewer   film   115   12.07.07   E-SE   Shot showing top of range access point 2 on embankment and east e Greenway			Northern	Outfall							Greenway
23 OL-02507 Sewer film black Northern Outfall and white 115 12.07.07 E-SE Shot showing top of rat access point 2 on embankment and east e Greenway  24 OL-02507 Sewer film black Northern Outfall and white 115 12.07.07 E-SE Shot showing top of rat access point 2 on embankment and east e Greenway  25 OL-02507 Sewer film black Northern Outfall and white 115 12.07.07 E-SE Shot showing top of rat access point 2 on embankment and east e Greenway  25 OL-02507 Sewer film black Northern Outfall and white 115 12.07.07 E-SE Shot showing top of rat access point 2 on embankment and east e Greenway  26 OL-02507 Sewer film black Northern Outfall and white 115 12.07.07 E-SE Shot showing top of rat access point 2 on embankment and east e Greenway  26 OL-02507 Sewer film black Northern Outfall and white 115 12.07.07 E-SE Shot showing top of rat access point 2 on embankment and east e Greenway  27 OL-02507 Sewer film black Northern Outfall and white 115 12.07.07 E-SE Shot showing top of rat access point 2 on embankment and east e Greenway  28 Shot showing top of rat access point 2 on embankment and east e Greenway  29 OL-02507 Sewer film black Northern Outfall and white 115 12.07.07 E-SE Shot showing top of rat access point 2 on embankment and east e Greenway  29 OL-02507 Sewer film black Northern Outfall and white 115 12.07.07 E-SE Shot showing top of rat access point 2 on embankment and east e Greenway  20 OL-02507 Sewer film black Northern Outfall and white 115 12.07.07 E-SE Shot showing eastern of Greenway, west railway bridge.	22			Outlan		Willie	115	12.07.07		E-SE	
23 OL-02507 Sewer   Sewer   Shot showing top of rate access point 2 on embankment and east e Greenway    24 OL-02507 Sewer   Sewer   Silm   Si											Shot showing top of ramp of
23 OL-02507   Sewer   Sewer   Shot showing top of rate access point 2 on embankment and east e Greenway											embankment and east end of
23   OL-02507   Sewer   film   115   12.07.07   E-SE   Shot showing top of rate access point 2 on embankment and east e Greenway						black			-		
Shot showing top of rai access point 2 on embankment and east e Greenway  24 OL-02507 Sewer Outfall and white film 115 12.07.07 E-SE  Shot showing top of rai access point 2 on embankment and east e Greenway  1.00m Shot showing top of rai access point 2 on embankment and east e Greenway  25 OL-02507 Sewer outfall and white film 115 12.07.07 E-SE  Shot showing top of rai access point 2 on embankment and east e Greenway  1.00m Shot showing top of rai access point 2 on embankment and east e Greenway  26 OL-02507 Sewer outfall and white film 115 12.07.07 E-SE  Shot showing top of rai access point 2 on embankment and east e Greenway  1.00m Shot showing top of rai access point 2 on embankment and east e Greenway  27 OL-02507 Sewer film 115 12.07.07 E-SE  Shot showing top of rai access point 2 on embankment and east e Greenway  1.00m Shot showing top of rai access point 2 on embankment and east e Greenway  28 Shot showing top of rai access point 2 on embankment and east e Greenway  29 OL-02507 Sewer film 15 12.07.07 E-SE  Shot showing eastern of Greenway, west railway bridge	22					white	115	12.07.07		ECE	
24 OL-02507 Sewer Outfall and white   25 OL-02507 Sewer outfall and white   26 OL-02507 Sewer outfall and white   27 OL-02507 Sewer outfall and white   28 OL-02507 Sewer outfall and white   29 OL-02507 Sewer outfall and white   35mm black wh	23	OL-02307	Sewer		111111		113	12.07.07		E-SE	Shot showing top of ramp of
24 OL-02507   Sewer   Outfall and white   115   12.07.07   E-SE   Shot showing top of rate access point 2 on embankment and east e Greenway											access point 2 on sout
Northern Outfall and white Sewer Sew					25mm	blook			-		
25 OL-02507 Sewer Outfall and white film black Northern Outfall And Northern Outf			Northern	Outfall							Greenway
25 OL-02507 Sewer film 115 12.07.07 E-SE  Northern Outfall and white 35mm black Northern Outfall and white 26 OL-02507 Sewer film 115 12.07.07 E-SE  Northern Outfall and white 35mm black Northern Outfall and white 27 OL-02507 Sewer film 115 12.07.07 E-SE  Northern Outfall and white 35mm black Northern Outfall and white 27 OL-02507 Sewer film 115 12.07.07 E-SE  Northern Outfall and white 35mm black Northern Outfall and white 27 OL-02507 Sewer film 115 12.07.07 E-SE  Shot showing top of rate access point 2 on embankment and east e Greenway  1.00m Shot showing top of rate access point 2 on embankment and east e Greenway  Shot showing top of rate access point 2 on embankment and east e Greenway  Shot showing top of rate access point 2 on embankment and east e Greenway  Shot showing top of rate access point 2 on embankment and east e Greenway  The control of the contro	24	OL-02507	Sewer		film		115	12.07.07		E-SE	
Northern Outfall and white   Sewer   Sewer   Sewer   Shot showing top of rate access point 2 on embankment and east expenses											Shot showing top of ramp of access point 2 on sout
25 OL-02507   Sewer   Sewer   Sewer   Shot showing top of range access point 2 on embankment and east e Greenway									1 00m		embankment and east end of
25 OL-02507 Sewer film 115 12.07.07 E-SE  Shot showing top of rate access point 2 on embankment and east expression of the company of the com			NT 41						1.00111		Greenway
Shot showing top of rate access point 2 on embankment and east e Greenway  1.00m  Northern Outfall and white film  115  12.07.07  E-SE  Shot showing top of rate access point 2 on embankment and east e Greenway  1.00m  Northern Outfall and white film  115  12.07.07  1.00m  Shot showing top of rate access point 2 on embankment and east e Greenway  1.00m  Shot showing top of rate access point 2 on embankment and east e Greenway  1.00m  Shot showing top of rate access point 2 on embankment and east e Greenway  1.00m  Shot showing top of rate access point 2 on embankment and east e Greenway  The showing top of rate access point 2 on embankment and east e Greenway  Shot showing top of rate access point 2 on embankment and east e Greenway  The showing top of rate access point 2 on embankment and east e Greenway  The showing top of rate access point 2 on embankment and east e Greenway  The showing top of rate access point 2 on embankment and east e Greenway  The showing top of rate access point 2 on embankment and east e Greenway  The showing top of rate access point 2 on embankment and east e Greenway  The showing top of rate access point 2 on embankment and east e Greenway  The showing top of rate access point 2 on embankment and east e Greenway	25			Outfall		white	115	12.07.07		E-SE	
26 OL-02507 Sewer Outfall and white film 115 12.07.07 E-SE  Shot showing top of rat access point 2 on embankment and east e Greenway  1.00m  Shot showing top of rat access point 2 on embankment and east e Greenway  1.00m  The state of the							-				Shot showing top of ramp of
26 OL-02507 Sewer Outfall and white film 115 12.07.07 E-SE  Shot showing top of range access point 2 on embankment and east e Greenway  Northern Outfall and white film 115 12.07.07 E-SE  Northern Outfall and white film 115 12.07.07 E-SE  Shot showing top of range access point 2 on embankment and east e Greenway  1.00m  Shot showing top of range access point 2 on embankment and east e Greenway  The state of the state o											access point 2 on sout
Northern Outfall and white film 115 12.07.07 E-SE  Shot showing top of rai access point 2 on embankment and east e Greenway  OL-02507 Sewer film 115 12.07.07 E-SE  Northern Outfall and white film 115 12.07.07 E-SE  Shot showing top of rai access point 2 on embankment and east e Greenway  The state of th					35mm	black			1.00m		
Shot showing top of rai access point 2 on embankment and east e Greenway  Northern Outfall and white Sewer film 115 12.07.07 E-SE  Shot showing top of rai access point 2 on embankment and east e Greenway  E-SE  Shot showing top of rai access point 2 on embankment and east e Greenway  E-SE  Shot showing eastern to of Greenway, west railway bridge				Outfall	and			10.05.55		E 0E	
access point 2 on embankment and east e Greenway  Northern Outfall and white 27 OL-02507 Sewer film 115 12.07.07 E-SE  Shot showing eastern of Greenway, west railway bridge railway bridge	26	OL-02507	Sewer		film		115	12.07.07		E-SE	Shot showing top of rame of
35mm black Northern Outfall and white Sewer film 115 12.07.07 E-SE  Shot showing eastern of Greenway, west Northern Outfall and white Northern Outfall and white  - Respectively.											access point 2 on sout
Northern Outfall and white film 115 12.07.07 E-SE  Shot showing eastern of of Greenway west railway bridge					2.5	, ,			1.00m		embankment and east end of
27 OL-02507 Sewer film 115 12.07.07 E-SE  Shot showing eastern of Greenway, west railway bridge			Northern	Outfall							Oreenway
35mm black   of Greenway, west   Northern Outfall and white   railway bridge	27			Guian		., 1110	115	12.07.07		E-SE	
Northern Outfall and white - of Greenway, west				_	35mm	black					Shot showing eastern exter
					and				-		•
28 OL-02507 Sewer   film   115   12.07.07   N-NW	28	OL-02507	Sewer		film		115	12.07.07		N-NW	Shot showing eastern exter
35mm black of Greenway west									_		
Northern Outfall and white 29 OL-02507 Sewer film 115 12.07.07 N-NW railway bridge	29			Outfall		white	115	12.07.07	-	N-NW	
Shot showing eastern of	27	OL 02307	201101			1.	110	12.07.07		11 11 44	Shot showing eastern exter
of Greenway, west						1-11-			I	I	
			Northern	Outfall		white			-		of Greenway, west of railway bridge

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
31	OL-02507	Northern Outfall Sewer	35mm black	115	12.07.07	-	E-SE	Shot showing terminus of Greenway immediately before railway line
32	OL-02507	Northern Outfall Sewer	35mm black	115	12.07.07	-	E-SE	Shot showing terminus of Greenway immediately before railway line
33		Northern Outfall Sewer	35mm black	115	12.07.07	-	-	Shot showing terminus of Greenway immediately before railway line
34		Northern Outfall Sewer	35mm black	115	12.07.07	-	W	Shot of 4 pre-cast concrete slabs on grass verge of north embankment
35	OL-02507	Northern Outfall Sewer	35mm black and white film	115	12.07.07	-	W	Shot of 4 pre-cast concrete slabs on grass verge of north embankment
36	OL-02507	Northern Outfall Sewer	35mm black and white film	115	12.07.07	-	W	Shot of 4 pre-cast concrete slabs on grass verge of north embankment

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ID	SITE CODE	CITE NA	ME	EII M TVDE	EII M NO	DATE	SCALE	DIRECTION	COMMENTS
ענ	SITE CODE	SITE NAM	VIE	FILM TYPE	FILM NO	DATE	SCILLE	DIRECTION	Shot of 4 pre-cast concrete
		Northern C	Jutfall	35mm colour			1.00m		slabs
1	OL-02507	Sewer	Julian	slide film	116	13.07.07		W	
									Shot of 4 pre-cast concrete
		Northern C	Outfall	35mm colour			1.00m		slabs
2	OL-02507	Sewer		slide film	116	13.07.07		W	G1
							1.00		Shot of 4 pre-cast concrete slabs
1	01 02507		Outfall	35mm colour	116	12.07.07	1.00m	***	Sidos
3	OL-02507	Sewer		slide film	116	13.07.07		W	Detailed photograph
									showing 1 concrete slab with
		Northern C	Jutfall	35mm colour			-		timber shuttering frame present
4	OL-02507	Sewer	Jutian	slide film	116	13.07.07		W	present
									Detailed photograph
							_		showing 1 concrete slab with timber shuttering frame
			Outfall	35mm colour					present
5	OL-02507	Sewer		slide film	116	13.07.07		W	Detailed photograph
									showing 1 concrete slab with
							-		timber shuttering frame
6	OL-02507	Northern C Sewer	Outfall	35mm colour slide film	116	13.07.07		W	present
0	OL-02307	SCWCI		Slide IIIII	110	13.07.07		VV	Detailed photograph
									showing 1 concrete slab with
		Northern C	Dutfall	35mm colour			0.50m		timber shuttering frame present
7	OL-02507	Sewer	, 411411	slide film	116	13.07.07		W	present
									Detailed photograph
							0.50m		showing 1 concrete slab with timber shuttering frame
			Outfall	35mm colour			0.00111		present
8	OL-02507	Sewer		slide film	116	13.07.07		W	Detailed photograph
									Detailed photograph showing 1 concrete slab with
			0.11				0.50m		timber shuttering frame
9	OL-02507	Northern C Sewer	Juttall	35mm colour slide film	116	13.07.07		W	present
	OE 02307	Seviel		SHGC HIIII	110	13.07.07		,,	General photograph of
		Northern C	Dutfall	35mm colour			-		access ramp 2 showing
10	OL-02507	Sewer	, 411411	slide film	116	13.07.07		W-NW	profile of south embankment
									General photograph of
			Outfall	35mm colour			-		access ramp 2 showing profile of south embankment
11	OL-02507	Sewer		slide film	116	13.07.07		W-NW	•
									General photograph of access ramp 2 showing
12	OI 02507		Outfall	35mm colour	116	12.07.07	-	W/ N/W/	profile of south embankment
12	OL-02507	Sewer		slide film	116	13.07.07		W-NW	Shot showing 'Greenway'
									sign at base of access ramp 2
							-		with scrap yard in
		Northern C	)utfall	35mm colour					background
13	OL-02507	Sewer	, acrui1	slide film	116	13.07.07		S	
									Shot showing 'Greenway'
									sign at base of access ramp 2 with scrap yard in
							-		background
1,,	01.02505		Outfall	35mm colour	116	12.05.05		C	
14	OL-02507	Sewer		slide film	116	13.07.07		S	

ID	SITE CODE	SITE NA	ME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
		N. d	0 (6.11	25 1			-		Shot showing 'Greenway' sign at base of access ramp 2 with scrap yard in background
15	OL-02507	Northern Sewer	Outfall	35mm colour slide film	116	13.07.07		S	
		Nouthous	Outfall	25mm			-		General photograph of Greenway terminus showing base of ramp at access point 2 and profile of south embankment
16	OL-02507	Northern Sewer		35mm colour slide film	116	13.07.07		E	
			Outfall	35mm colour			-		General photograph of Greenway terminus showing base of ramp at access point 2 and profile of south embankment
17	OL-02507	Sewer		slide film	116	13.07.07		Е	General photograph of
		N. d	0.46.11	25			-		Greenway terminus showing base of ramp at access point 2 and profile of south embankment
18	OL-02507	Northern Sewer	Outfall	35mm colour slide film	116	13.07.07		E	
19	OL-02507	Northern Sewer	Outfall	35mm colour slide film	116	13.07.07	-	E	Shot showing ramp on access point 2 from it's base and profile of south embankment
20	OL-02507	Northern Sewer		35mm colour slide film	116	13.07.07	-	E	Shot showing ramp on access point 2 from it's base and profile of south embankment
21	OL-02507		Outfall	35mm colour	116	13.07.07	-	E	Shot showing ramp on access point 2 from it's base and profile of south embankment
22			Outfall	35mm colour slide film	116	13.07.07	-	N	Shot showing entrance to Greenway just west of railway bridge
23	OL-02507	Northern Sewer		35mm colour slide film	116	13.07.07	-	N	Shot showing entrance to Greenway just west of railway bridge  Shot showing entrance to
24	OL-02507	Northern Sewer		35mm colour slide film	116	13.07.07	-	N	Greenway just west of railway bridge  Shot showing entrance to
25	OL-02507	Northern Sewer		35mm colour slide film	116	13.07.07	1.00m	N	Greenway just west of railway bridge
26	OL-02507	Northern Sewer		35mm colour slide film	116	13.07.07	1.00m	N	Shot showing entrance to Greenway just west of railway bridge
27	OL-02507	Northern Sewer	Outfall	35mm colour slide film	116	13.07.07	1.00m	N	Shot showing entrance to Greenway just west of railway bridge
28	OL-02507	Northern Sewer		35mm colour slide film	116	13.07.07	-	W	Shot showing profile of south embankment above and below ramp of access point 2
29	OL-02507	Northern Sewer		35mm colour slide film	116	13.07.07	-	W	Shot showing profile of south embankment above and below ramp of access point 2

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
30		Northern Outfall Sewer	35mm colour slide film	116	13.07.07	-	W	Shot showing profile of south embankment above and below ramp of access point 2
31		Northern Outfall Sewer	35mm colour slide film	116	13.07.07	-	S	Shot showing stairway on access point 2 on south embankment, from top of stairs
32		Northern Outfall Sewer	35mm colour slide film	116	13.07.07	-	S	Shot showing stairway on access point 2 on south embankment, from top of stairs
33		Northern Outfall Sewer	35mm colour slide film	116	13.07.07	-	S	Shot showing stairway on access point 2 on south embankment, from top of stairs
34	OL-02507	Northern Outfall Sewer	35mm colour slide film	116	13.07.07	1.00m	S	Shot showing stairway on access point 2 on south embankment, from top of stairs
35		Northern Outfall Sewer	35mm colour slide film	116	13.07.07	1.00m	S	Shot showing stairway on access point 2 on south embankment, from top of stairs
36		Northern Outfall Sewer	35mm colour slide film	116	13.07.07	1.00m	S	Shot showing stairway on access point 2 on south embankment, from top of stairs

#### 12.18 Photo register 18 Northern Outfall Sewer

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
	STIL COLL	STETULISE	35mm black		2.112		DIRECTION	Shot of 4 pre-cast concrete
		Northern Outfall				1.00m		slabs
1	OL-02507	Sewer	film	117	13.07.07		W	G1
			35mm black			1.00		Shot of 4 pre-cast concrete slabs
2	OL-02507	Northern Outfall Sewer	and white	117	13.07.07	1.00m	W	
	OL-02307	Sewer			13.07.07		VV	Shot of 4 pre-cast concrete
		Northern Outfall	35mm black land white			1.00m		slabs
3	OL-02507	Sewer	film	117	13.07.07		W	
								Detailed photograph showing 1 concrete slab with
			35mm black			-		timber shuttering frame
4	OL-02507	Northern Outfall Sewer	and white	117	13.07.07		W	present
-	OL-02307	Sewer	111111	117	13.07.07		VV	Detailed photograph
			35mm black					showing 1 concrete slab with
		Northern Outfall				-		timber shuttering frame present
5	OL-02507	Sewer	film	117	13.07.07		W	P - 11 - 1 - 1
								Detailed photograph showing 1 concrete slab with
		N 4 0 (C1)	35mm black			-		timber shuttering frame
6	OL-02507	Northern Outfall Sewer	and white	117	13.07.07		W	present
	02 02007	56 11 61		11,	15107107		.,,	Detailed photograph
			35mm black			0.50m		showing 1 concrete slab with timber shuttering frame
		Northern Outfall	and white			0.50111		present
7	OL-02507	Sewer	film	117	13.07.07		W	D ( 11 1 1 1 1
								Detailed photograph showing 1 concrete slab with
			35mm black			0.50m		timber shuttering frame
8	OL-02507	Northern Outfall Sewer	and white film	117	13.07.07		W	present
								Detailed photograph
			35mm black			0.50m		showing 1 concrete slab with timber shuttering frame
		Northern Outfall	and white			0.50111		present
9	OL-02507	Sewer	film	117	13.07.07		W	General photograph of
			35mm black			_		access ramp 2 showing
10	OL-02507	Northern Outfall Sewer	and white	117	13.07.07		W-NW	profile of south embankment
10	OE 02307	Sewer			13.07.07		** 1111	General photograph of
		Northern Outfall	35mm black land white			-		access ramp 2 showing profile of south embankment
11	OL-02507	Sewer	film	117	13.07.07		W-NW	
			35mm black					General photograph of access ramp 2 showing
10	01 02507	Northern Outfall			12.07.07	-	W/ NIW	profile of south embankment
12	OL-02507	Sewer	film	117	13.07.07		W-NW	Shot showing 'Greenway'
								sign at base of access ramp 2
			35mm black			-		with scrap yard in background
		Northern Outfall						ouenground
13	OL-02507	Sewer	film	117	13.07.07		S	
								Shot showing 'Greenway' sign at base of access ramp 2
								with scrap yard in
		Northam Ort C 1	35mm black			_		background
14	OL-02507	Northern Outfall Sewer	land white film	117	13.07.07		S	

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
			35mm black			-		Shot showing 'Greenway' sign at base of access ramp 2 with scrap yard in background
15	OL-02507	Northern Outfal Sewer			13.07.07		S	
			35mm black			-		General photograph of Greenway terminus showing base of ramp at access point 2 and profile of south embankment
16	OL-02507	Northern Outfal Sewer	land white film	117	13.07.07		Е	
17	OI 02507	Northern Outfal	35mm black land white film		12.07.07	-	E	General photograph of Greenway terminus showing base of ramp at access point 2 and profile of south embankment
17	OL-02507	Sewer	nim	117	13.07.07		Е	General photograph of
		Northern Outfal	35mm black			-		Greenway terminus showing base of ramp at access point 2 and profile of south embankment
18	OL-02507	Sewer	film	117	13.07.07		Е	GI . I .
19	OL-02507	Northern Outfal Sewer	35mm black land white film		13.07.07	-	E	Shot showing ramp on access point 2 from it's base and profile of south embankment
20	OL-02507	Northern Outfal Sewer	35mm black land white film		13.07.07	-	E	Shot showing ramp on access point 2 from it's base and profile of south embankment
			35mm black			-		Shot showing ramp on access point 2 from it's base and profile of south
21	OL-02507	Northern Outfal Sewer	l and white film	117	13.07.07		Е	embankment
22	OL-02507	Northern Outfal Sewer	35mm black land white film		13.07.07	-	N	Shot showing entrance to Greenway just west of railway bridge
23	OL-02507	Northern Outfal Sewer	35mm black land white film		13.07.07	-	N	Shot showing entrance to Greenway just west of railway bridge
24	OL-02507	Northern Outfal Sewer	35mm black land white film		13.07.07	-	N	Shot showing entrance to Greenway just west of railway bridge
25	OL-02507	Northern Outfal Sewer	35mm black land white film		13.07.07	1.00m	N	Shot showing entrance to Greenway just west of railway bridge
26	OL-02507	Northern Outfal Sewer	35mm black land white film		13.07.07	1.00m	N	Shot showing entrance to Greenway just west of railway bridge
27	OL-02507	Northern Outfal Sewer	35mm black land white film		13.07.07	1.00m	N	Shot showing entrance to Greenway just west of railway bridge
28	OL-02507	Northern Outfal Sewer	35mm black land white film		13.07.07	-	W	Shot showing profile of south embankment above and below ramp of access point 2
29	OL-02507	Northern Outfal Sewer	35mm black land white film		13.07.07	-	W	Shot showing profile of south embankment above and below ramp of access point 2

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
30		Northern Outfall Sewer	35mm black and white film	117	13.07.07	-	W	Shot showing profile of south embankment above and below ramp of access point 2
31		Northern Outfall Sewer	35mm black and white film	117	13.07.07	-	S	Shot showing stairway on access point 2 on south embankment, from top of stairs
32		Northern Outfall Sewer	35mm black and white film	117	13.07.07	-	S	Shot showing stairway on access point 2 on south embankment, from top of stairs
33		Northern Outfall Sewer	35mm black and white film	117	13.07.07	-	S	Shot showing stairway on access point 2 on south embankment, from top of stairs
34	OL-02507	Northern Outfall Sewer	35mm black and white film	117	13.07.07	1.00m	S	Shot showing stairway on access point 2 on south embankment, from top of stairs
35		Northern Outfall Sewer	35mm black and white film	117	13.07.07	1.00m	S	Shot showing stairway on access point 2 on south embankment, from top of stairs
36		Northern Outfall Sewer	35mm black and white film	117	13.07.07	1.00m	S	Shot showing stairway on access point 2 on south embankment, from top of stairs

## 12.19 Photo register 19 Northern Outfall Sewer

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
								Shot showing staircase on
						_		access point 2, taken from base of south embankment
			135mm colour					base of south embankment
1	OL-02507	Sewer	slide film	118	13.07.07		NE	C14 -1i4-i
								Shot showing staircase on access point 2, taken from
		L				-		base of south embankment
2	OL-02507	Northern Outfal Sewer	l 35mm colour slide film	118	13.07.07		NE	
	OE 02307	Sewer	side iiiii	110	13.07.07		TUE	Shot showing staircase on
								access point 2, taken from
		Northern Outfal	135mm colour			-		base of south embankment
3	OL-02507	Sewer	slide film	118	13.07.07		NE	
								Shot showing staircase on
						1.00m		access point 2, taken from base of south embankment
١,	01.02507		135mm colour	110	12.07.07		NE	
4	OL-02507	Sewer	slide film	118	13.07.07		NE	Shot showing staircase on
								access point 2, taken from
		Northern Outfal	135mm colour			1.00m		base of south embankment
5	OL-02507	Sewer	slide film	118	13.07.07		NE	
								Shot showing staircase on
						1.00m		access point 2, taken from base of south embankment
		Northern Outfal	135mm colour			1.00111		base of south embankment
6	OL-02507	Sewer	slide film	118	13.07.07		NE	1
								shot showing profile of concrete stairwell in access 2
						-		on south embankment
7	OL-02507	Northern Outfal Sewer	135mm colour slide film	118	13.07.07		NE	
	OL-02307	Sewei	silde iiiiii	110	13.07.07		NE	shot showing profile of
								concrete stairwell in access 2
		Northern Outfal	135mm colour			-		on south embankment
8	OL-02507	Sewer	slide film	118	13.07.07		NE	
								shot showing profile of
						-		concrete stairwell in access 2 on south embankment
			135mm colour					
9	OL-02507	Sewer	slide film	118	13.07.07		NE	Detailed photograph of
								concrete staircase on access
		Northern Outfal	135mm colour			-		point 2 showing material
10	OL-02507	Sewer	slide film	118	13.07.07		NE	type
								Detailed photograph of
						_		concrete staircase on access point 2 showing material
			135mm colour					type
11	OL-02507	Sewer	slide film	118	13.07.07		NE	
								Detailed photograph of concrete staircase on access
		-				-		point 2 showing material
12	OL-02507	Northern Outfal Sewer	135mm colour slide film	118	13.07.07		NE	type
12	OL-0230/	JC W CI	SHUC HIIII	110	13.07.07		INE	Detailed photograph of
						0.20		concrete staircase on access
		Northern Outfal	135mm colour			0.20m		point 2 showing material type
13	OL-02507	Sewer	slide film	118	13.07.07		N	
								Detailed photograph of
						0.20m		concrete staircase on access point 2 showing material
1	01.02505		135mm colour	110	12.05.05		,,	type
14	OL-02507	Sewer	slide film	118	13.07.07		N	

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
								Detailed photograph of concrete staircase on access
						0.20m		point 2 showing material
			35mm colour					type
15	OL-02507	Sewer	slide film	118	13.07.07		N	Shot showing profile of
								south embankment just east
								of road/railway bridge and
						-		'Greenway' sign post
16	OL-02507	Northern Outfall Sewer	35mm colour slide film	118	13.07.07		W	
10	OE 02307	Be wel	Silde IIIII	110	13.07.07		''	Shot showing profile of
								south embankment just east
						-		of road/railway bridge and 'Greenway' sign post
		Northern Outfall	35mm colour					l community organization
17	OL-02507	Sewer	slide film	118	13.07.07		W	
								Shot showing profile of south embankment just east
								of road/railway bridge and
						-		'Greenway' sign post
18	OL-02507	Northern Outfall Sewer	35mm colour slide film	118	13.07.07		W	
10	OL-02307	Sewei	Silue IIIII	110	13.07.07		VV	Shot showing profile of
								south embankment just east
						_		of road/railway bridge and
		Northern Outfall	35mm colour					'Greenway' sign post
19	OL-02507	Sewer	slide film	118	13.07.07		W	
								Shot showing profile of
								south embankment just east of road/railway bridge and
						-		'Greenway' sign post
			35mm colour					
20	OL-02507	Sewer	slide film	118	13.07.07		W	01 . 1
								Shot showing profile of south embankment just east
						_		of road/railway bridge and
		N. 4. 0.4641	25 1			-		'Greenway' sign post
21	OL-02507	Northern Outfall Sewer	35mm colour slide film	118	13.07.07		w	
	02 02007	561161	3140 11111	110	15107107			Detailed photograph of
								concrete staircase on access
								point 2 showing material type, taken from mid way
						-		point of staircase
		Northern Outfall	35mm colour					
22	OL-02507	Sewer	slide film	118	13.07.07		N	D : 1 1
								Detailed photograph of concrete staircase on access
								point 2 showing material
						-		type, taken from mid way
		Nouthor C (C1)	25 mars - 1					point of staircase
23	OL-02507	Northern Outfall Sewer	35mm colour slide film	118	13.07.07		N	
								Detailed photograph of
								concrete staircase on access
						_		point 2 showing material type, taken from mid way
						_		point of staircase
			35mm colour					
24	OL-02507	Sewer	slide film	118	13.07.07		N	D-4-11-1 1 4 1 C
								Detailed photograph of concrete staircase on access
								point 2 showing material
						0.20m		type, taken from mid way
		Nouthor O (C1)	25 mars - 1					point of staircase
25		Northern Outfall Sewer	35mm colour slide film	118	13.07.07		N	
	OE 02301	S 77 61	5.14C 111111	110	15.07.07	<u> </u>	1.1	I.

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
		Northern Outfa	ll35mm colour			0.20m		Detailed photograph of concrete staircase on access point 2 showing material type, taken from mid way point of staircase
26	OL-02507	Sewer	slide film	118	13.07.07		N	
27	01 02507		ll 35mm colour	110	12.07.07	0.20m	V	Detailed photograph of concrete staircase on access point 2 showing material type, taken from mid way point of staircase
27	OL-02507	Sewer	slide film	118	13.07.07		N	Shot showing profile of
28	OL-02507	Northern Outfa Sewer	ll 35mm colour	118	13.07.07	-	W	north bank, 2 types of Greenway fencing and 1930's building in background
20	OL 02307			110	13.07.07		·	Shot showing profile of north bank, 2 types of Greenway fencing and 1930's building in
29	OL-02507	Northern Outfa Sewer	1135mm colour slide film	118	13.07.07		W	background
30	OL-02507		ll 35mm colour	118	13.07.07		W	Shot showing profile of north bank, 2 types of Greenway fencing and 1930's building in background
31	OL-02507		1135mm colour slide film	118	13.07.07		E	Detailed photograph of metal air vent/drain on north embankment
32	OL-02507		ll 35mm colour slide film	118	13.07.07		E	Detailed photograph of metal air vent/drain on north embankment
		Northern Outfa	ll35mm colour					Detailed photograph of metal air vent/drain on north embankment
33	OL-02507	Sewer	slide film	118	13.07.07		Е	Detailed photograph of
34	OL-02507	Northern Outfa Sewer	ll 35mm colour slide film	118	13.07.07		E	metal air vent/drain on north embankment
35	OL-02507	Northern Outfa Sewer	ll 35mm colour slide film	118	13.07.07		E	Detailed photograph of metal air vent/drain on north embankment
36		Northern Outfa Sewer	ll 35mm colour slide film	118	13.07.07		Е	Detailed photograph of metal air vent/drain on north embankment

## 12.20 Photo register 20 Northern Outfall Sewer

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
	STIL CODE	STETULIE	112.11112	11201110	2.112		DIRECTION.	Shot showing staircase on
			25 11 1					access point 2, taken from
		Northern Outfal	35mm black land white			-		base of south embankment
1	OL-02507	Sewer	film	119	13.07.07		NE	
								Shot showing staircase on
			35mm black			-		access point 2, taken from base of south embankment
	01 02507	Northern Outfal		110	12.07.07		N.E.	
2	OL-02507	Sewer	film	119	13.07.07		NE	Shot showing staircase on
								access point 2, taken from
		Northern Outfal	35mm black land white			-		base of south embankment
3	OL-02507	Sewer	film	119	13.07.07		NE	
								Shot showing staircase on
			35mm black			1.00m		access point 2, taken from base of south embankment
		Northern Outfal	land white			1.00111		base of south embankment
4	OL-02507	Sewer	film	119	13.07.07		NE	C14 -1i4-i
								Shot showing staircase on access point 2, taken from
			35mm black			1.00m		base of south embankment
5	OL-02507	Northern Outfal Sewer	land white film	119	13.07.07		NE	
	OE 02307	Se wei	111111	11)	13.07.07		IVE	Shot showing staircase on
			35mm black			1.00		access point 2, taken from
		Northern Outfal				1.00m		base of south embankment
6	OL-02507	Sewer	film	119	13.07.07		NE	
								shot showing profile of
			35mm black			_		concrete stairwell in access 2 on south embankment
_	01.00505	Northern Outfal		440	12.05.05			
7	OL-02507	Sewer	film	119	13.07.07		NE	shot showing profile of
								concrete stairwell in access 2
		NI - mallo - mar - Oadf1	35mm black			-		on south embankment
8	OL-02507	Northern Outfal Sewer	land white film	119	13.07.07		NE	
								shot showing profile of
			35mm black			_		concrete stairwell in access 2 on south embankment
		Northern Outfal	land white			_		on south emoankment
9	OL-02507	Sewer	film	119	13.07.07		NE	D ( 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
								Detailed photograph of concrete staircase on access
			35mm black			-		point 2 showing material
10	OL-02507	Northern Outfal Sewer	land white film	119	13.07.07		NE	type
10	OE 02307	Sewei	111111	11)	13.07.07		IVE	Detailed photograph of
			25 11 1					concrete staircase on access
		Northern Outfal	35mm black land white			-		point 2 showing material type
11	OL-02507	Sewer	film	119	13.07.07		NE	
								Detailed photograph of concrete staircase on access
			35mm black			-		point 2 showing material
10	01 02507	Northern Outfal		110	12.07.07		N.E.	type
12	OL-02507	Sewer	film	119	13.07.07		NE	Detailed photograph of
								concrete staircase on access
1		Northern Outfal	35mm black land white			0.20m		point 2 showing material
13	OL-02507	Northern Outrai	film white	119	13.07.07		N	type
								Detailed photograph of
			35mm black			0.20m		concrete staircase on access point 2 showing material
		Northern Outfal	land white			0.20111		type
14	OL-02507	Sewer	film	119	13.07.07		N	

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
ID	SITE CODE	SITE NAME	FILM TITE	FILM NO	DATE	SCILL	DIRECTION	Detailed photograph of
			35mm black			0.20		concrete staircase on access
		Northern Outfall				0.20m		point 2 showing material type
15	OL-02507	Sewer	film	119	13.07.07		N	
								Shot showing profile of south embankment just east
								of road/railway bridge and
			35mm black			-		'Greenway' sign post
16	OL-02507	Northern Outfall Sewer	land white film	119	13.07.07		W	
10	OL-02307	Sewei	111111	117	13.07.07		**	Shot showing profile of
								south embankment just east
			35mm black			-		of road/railway bridge and 'Greenway' sign post
		Northern Outfall						Greenway sign post
17	OL-02507	Sewer	film	119	13.07.07		W	
								Shot showing profile of south embankment just east
								of road/railway bridge and
			35mm black			-		'Greenway' sign post
10	01 02507	Northern Outfall		110	12.07.07		***	
18	OL-02507	Sewer	film	119	13.07.07		W	Shot showing profile of
								south embankment just east
						-		of road/railway bridge and
		Northern Outfall	35mm black land white					'Greenway' sign post
19	OL-02507	Sewer	film	119	13.07.07		W	
								Shot showing profile of
								south embankment just east of road/railway bridge and
			35mm black			-		'Greenway' sign post
		Northern Outfall						7 0 1
20	OL-02507	Sewer	film	119	13.07.07		W	G1 . 1
								Shot showing profile of south embankment just east
								of road/railway bridge and
			35mm black			-		'Greenway' sign post
21	OL-02507	Northern Outfall Sewer	land white film	119	13.07.07		W	
	OE 02307	Se wer	111111	117	13.07.07		**	Detailed photograph of
								concrete staircase on access
								point 2 showing material type, taken from mid way
			35mm black			-		point of staircase
		Northern Outfall						
22	OL-02507	Sewer	film	119	13.07.07		N	
								Detailed photograph of concrete staircase on access
								point 2 showing material
						-		type, taken from mid way
		N 4 0 10 11	35mm black					point of staircase
23	OL-02507	Northern Outfall Sewer	land white film	119	13.07.07		N	
								Detailed photograph of
								concrete staircase on access
								point 2 showing material type, taken from mid way
			35mm black			_		point of staircase
		Northern Outfall	land white					
24	OL-02507	Sewer	film	119	13.07.07		N	Detailed intent 1 o
1								Detailed photograph of concrete staircase on access
								point 2 showing material
						0.20m		type, taken from mid way point of staircase
		Northern Outfall	35mm black and white					point of stancase
25	OL-02507	Sewer	film	119	13.07.07		N	
				•	•			

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
		Northern Outfal				0.20m		Detailed photograph of concrete staircase on access point 2 showing material type, taken from mid way point of staircase
26	OL-02507	Sewer	film	119	13.07.07		N	Datailed whateamanh of
27	01 02507	Northern Outfal		110	12.07.07	0.20m	V	Detailed photograph of concrete staircase on access point 2 showing material type, taken from mid way point of staircase
27	OL-02507	Sewer	film	119	13.07.07		N	Shot showing profile of
20	01.02507	Northern Outfal	35mm black land white film	110	13.07.07	-	W	north bank, 2 types of Greenway fencing and 1930's building in background
28	OL-02507	Sewer	nım	119	13.07.07		W	Shot showing profile of
29	OL-02507	Northern Outfal Sewer	35mm black land white film	119	13.07.07		W	north bank, 2 types of Greenway fencing and 1930's building in background
30	OL-02507	Northern Outfal Sewer	35mm black land white film	119	13.07.07		W	Shot showing profile of north bank, 2 types of Greenway fencing and 1930's building in background
- 50	02 02007	50 (101		117	15107107			Detailed photograph of
31	OL-02507	Northern Outfal Sewer	35mm black land white film	119	13.07.07		E	metal air vent/drain on north embankment
32	OL-02507	Northern Outfal Sewer	35mm black land white film	119	13.07.07		E	Detailed photograph of metal air vent/drain on north embankment
33	OL-02507	Northern Outfal Sewer	35mm black land white film	119	13.07.07		E	Detailed photograph of metal air vent/drain on north embankment
34	OL-02507	Northern Outfal Sewer	35mm black land white film	119	13.07.07		E	Detailed photograph of metal air vent/drain on north embankment
35	OL-02507	Northern Outfal Sewer	35mm black land white film	119	13.07.07		Е	Detailed photograph of metal air vent/drain on north embankment
36		Northern Outfal Sewer	35mm black	119	13.07.07		E	Detailed photograph of metal air vent/drain on north embankment

## 12.21 Photo register 21 Northern Outfall Sewer

ID	SITE CODE	SITE NAME	FILM TYPE	DATE	DIRECTION	IDENTIFIER	COMMENTS
1	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	19.06.07	NE	17607589	Shot of Greenway entrance with sign next to GNER Bridge
2	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	19.06.07	SW	17607590	Shot of alley way nest to GNER Bridge leading to Greenway access point
3	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	19.06.07	Е	17607591	Shot of alley way nest to GNER Bridge leading to Greenway access point
4	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	19.06.07	E	17607592	Shot inside industrial building on south side of alleyway
5	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	19.06.07	NE	17607593	Shot inside industrial building on south side of alleyway
6	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	19.06.07	E-NE	17607594	Shot of timber revetment at base of south embankment of Greenway
7	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	19.06.07	E-NE	17607595	Shot of access point 3 looking up ramp with anti-motorcycle barriers in foreground
8	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	19.06.07	N-NW	17607596	Zoomed in photograph of access point 3 looking up ramp with anti-motorcycle barriers in foreground
9	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	19.06.07	N-NE	17607597	Zoomed in photograph of access point 3 looking up ramp with anti-motorcycle barriers in foreground
10	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	19.06.07	N-NE	17607598	Zoomed in photograph of reinforced banking on south embankment of Greenway
11	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	19.06.07	N-NE	17607599	Shot of access point 3 stairway
12	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	19.06.07	N-NE	17607600	Shot of access point 3 stairway
13	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	19.06.07	S-SE	17607601	Shot taken from top of access point 3 stairway and ramp
14	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	19.06.07	E-SE	17607602	Shot showing top of access point 3 stairway
15	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	19.06.07	S-SW	17607603	Zoomed in photograph showing top of access point 3 stairway
16	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	19.06.07	S-SW	17607604	Shot showing top of access point 3 ramp
17	OL-02507	Northern Outfall Sewer	400 D		W	17607605	Shot showing lower and upper sections of access point 3 ramp
18	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	19.06.07	W	17607606	Shot showing lower and upper sections of access point 3 ramp

19	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	Е	17607607	Detailed photograph showing anti-motorcycle barrier on access point 3 ramp
20	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	S	17607608	Detailed photograph showing base plate riveted to concrete of access point 3 ramp
21	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	E-SE	17607609	Detailed photograph showing welded joint of handrail on access point 3
22	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	E-SE	17607610	General photograph access point 3 ramp
23	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	E-NE	17607611	Detailed photograph metal safety railings
24	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	NE	17607612	Shot showing possible access point to sewer with metal drain cover
25	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	NE	17607613	Shot showing possible access point to sewer with metal drain cover
26	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	N	17607614	Shot of entrance to Greenway east of GNER line
27	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	N	17607615	Shot of entrance to Greenway east of GNER line
28	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	N	17607616	Shot of metal kissing gate in front of entrance to Greenway
29	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	NW	17607617	Shot of metal kissing gate in front of entrance to Greenway
30	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	NW	17607618	Shot o Greenway sign over Greenway entrance
31	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	NW	17607619	Shot of metal bench on north side of Greenway
32	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	S	17607620	Shot of Brick pier of Greenway bridge over City Mills River
33	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	SW	17607621	General photograph of Greenway
34	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	N	17607622	Shot showing modern railing on Greenway
35	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	N	17607623	Close up photograph metal bench on Greenway
36	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	SE	17607624	Shot showing surface of Greenway
37	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	W	17607625	Shot railing of brick pier on south side of Pedestrian Bridge over City Mills River
38	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	-	17607626	Shot showing individual poured concrete slabs
39	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	SE	17607627	Shot showing individual poured concrete slabs at east end of Bridge over the City Mill River
40	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	W	17607628	General photograph of Greenway
41	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	19.06.07	W	17607629	General photograph of Greenway

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42	OL-02507	Northern Sewer	Outfall	Digital ( 400 D	Canon	19.06.07	Е	17607630	General photograph of Greenway
43	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	19.06.07	N	17607631	Shot showing factory on north side of Greenway
44	OL-02507	Northern Sewer	Outfall	Digital ( 400 D	Canon	19.06.07	SE	17607632	General photograph of Greenway
45	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	19.06.07	-	17607633	Shot showing metal drain cover inset into Greenway
46	OL-02507	Northern Sewer	Outfall	Digital ( 400 D	Canon	19.06.07	-	17607634	Shot showing metal drain cover inset into Greenway
47	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	19.06.07	NW	17607635	Shot showing modern fencing on Greenway
48	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	19.06.07	SW	17607636	Close up photograph showing modern Concrete stanchion of modern fencing on Greenway
49	OL-02507	Northern Sewer		400 D			SW	17607637	Shot showing modern fencing on Greenway
50	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	19.06.07	SW	17607638	Shot showing modern fencing on Greenway
51	OL-02507	Northern Sewer		400 D			SE	17607639	Shot of modern metal fencing and gate on Greenway
52	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	19.06.07	SE	17607640	Shot showing entrance to access point 4 on south embankment
53	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	19.06.07	SE	17607641	Shot showing top of access point 4 stairway
54	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	19.06.07	N	17607642	Shot showing base of access point 4 stairway
55	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	19.06.07	NE	17607643	Shot showing towpath along Waterworks River leading up to access point 4 on south embankment
56	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	19.06.07	NE	17607644	Shot showing bridge over Waterworks River
57	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	19.06.07	SE	17607645	Shot showing south side of Greenway with metal gate and electric mains running on top of it
58	OL-02507	Northern Sewer	Outfall	Digital ( 400 D	Canon	19.06.07	SE	17607646	Shot showing south side of Greenway with metal gate and electric mains running on top of it
59	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	19.06.07	SE	17607647	Shot showing entrance to access point 4 on north embankment
60	OL-02507	Northern Sewer	Outfall	Digital ( 400 D	Canon	19.06.07	SW	17607648	Shot showing access point 4 stairway on north embankment
61	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	19.06.07	-	17607649	Shot of Pylon
62	OL-02507	Northern Sewer	Outfall	Digital ( 400 D	Canon	19.06.07	SE	17607650	Shot of north side of Greenway spanning Waterworks River
63	OL-02507	Northern Sewer	Outfall	Digital ( 400 D	Canon	19.06.07	NW	17607651	Shot of Marshgate Lane running under GNER Bridge
64	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	19.06.07	-	17607652	Detailed photograph of metal drain cover
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65	OL-02507	Northern ( Sewer		Digital Canor 400 D	19.06.07	-	17607653	Detailed photograph of metal drain cover
66	OL-02507	Northern ( Sewer	Outfall	Digital Canor 400 D	19.06.07	-	17607654	Detailed photograph of metal drain cover
67	OL-02507	Northern ( Sewer	Outfall	Digital Canor 400 D	19.06.07	-	17607655	Detailed photograph of metal drain cover
68	OL-02507	Northern (Sewer	Outfall	Digital Canor 400 D	19.06.07	NW	17607656	Shot showing north side of Greenway spanning the Waterworks River
69	OL-02507	Northern ( Sewer	Outfall	Digital Canon 400 D	19.06.07	NW	17607657	Shot showing three drains spanning across Greenway
70	OL-02507	Northern ( Sewer	Outfall	Digital Canor 400 D	19.06.07	-	17607658	Detailed photograph of metal drain cover
71	OL-02507	Northern (Sewer	Outfall	Digital Canor 400 D	19.06.07	NE	17607659	Shot showing the Greenway entrance on the west side of Stratford High Street
72	OL-02507	Northern ( Sewer	Outfall	Digital Canor 400 D	19.06.07	NE	17607660	Shot showing cement encased electric cables on south side of Greenway
73	OL-02507	Northern ( Sewer	Outfall	Digital Canor 400 D	19.06.07	SW	17607661	Shot showing cement encased electric cables on south side of Greenway
74	OL-02507	Northern ( Sewer	Outfall	Digital Canor 400 D	19.06.07	SW	17607662	Shot showing the Greenway entrance on the west side of Stratford High Street
75	OL-02507	Northern (Sewer	Outfall	Digital Canor 400 D	19.06.07	NE	17607663	Shot showing the Greenway entrance on the west side of Stratford High Street
76	OL-02507	Northern (Sewer	Outfall	Digital Canor 400 D	19.06.07	SW	17607664	Shot showing the Greenway entrance on the west side of Stratford High Street
77	OL-02507	Northern ( Sewer	Outfall	Digital Canor 400 D	19.06.07	SW	17607665	Shot showing north embankment of Northern Outfall Sewer immediately east of Waterworks River
78	OL-02507	Northern ( Sewer	Outfall	Digital Canor 400 D	19.06.07	W	17607666	Shot showing north embankment of Northern Outfall Sewer immediately east of Waterworks River
79	OL-02507	Northern ( Sewer	Outfall	Digital Canor 400 D	19.06.07	W	17607667	Shot of south side of Northern Outfall sewer showing original brick arches
80	OL-02507	Northern ( Sewer	Outfall	Digital Canor 400 D	19.06.07	W	17607668	Shot of south side of Northern Outfall sewer showing original brick arches
81	OL-02507	Northern C Sewer	Outfall	Digital Canor 400 D	19.06.07	SE	17607669	Shot of south side of Greenway on west side of Stratford High Street
82	OL-02507	Northern (Sewer	Outfall	Digital Canor 400 D	19.06.07	SE	17607670	Shot showing the Greenway entrance on the east side of Stratford High Street

83	OL-02507	Northern (Sewer	Outfall	Digital 400 D	Canon	19.06.07	NE	17607671	Shot showing north embankment at Greenway entrance on east side of Stratford High Street
84	OL-02507	Northern (Sewer	Outfall	Digital 400 D	Canon	19.06.07	SE	17607672	Detailed photograph of original metal railings on east side of Stratford height Street
85	OL-02507	Northern ( Sewer	Outfall	Digital 400 D	Canon	19.06.07	SE	17607673	Detailed photograph showing original metal gas light on east side of Stratford High Street
86	OL-02507	Northern ( Sewer	Outfall	Digital 400 D	Canon	19.06.07	SE	17607674	Detailed photograph showing original metal gas light on east side of Stratford High Street
87	OL-02507	Northern (Sewer	Outfall	Digital 400 D	Canon	19.06.07	NW	17607675	Shot showing Greenway sign attached to Greenway entrance gate on east side of Stratford High Street
88	OL-02507	Northern ( Sewer	Outfall	Digital 400 D	Canon	19.06.07	NW	17607676	Shot showing Greenway sign on north embankment
89	OL-02507	Northern ( Sewer	Outfall	Digital 400 D	Canon	19.06.07	S	17607677	Shot showing Greenway sign on south embankment
90	OL-02507	Northern ( Sewer	Outfall	Digital 400 D	Canon	19.06.07	S	17607678	Shot showing centrifugal pump from Abbey Mills Pumping Station
91	OL-02507	Northern ( Sewer		400 D			SE	17607679	Shot showing centrifugal pump from Abbey Mills Pumping Station
92	OL-02507	Northern ( Sewer		400 D			NW	17607680	Shot showing centrifugal pump from Abbey Mills Pumping Station
93	OL-02507	Northern ( Sewer		400 D			SW	17607681	Shot showing centrifugal pump from Abbey Mills Pumping Station
94	OL-02507	Northern ( Sewer		400 D			S	17607682	Shot showing brick pier with metal gate and railing on south embankment of Greenway
95	OL-02507	Northern C Sewer	Outfall	Digital 400 D	Canon	19.06.07	SE	17607683	Shot showing modern concrete platform with inset metal drain cover
96	OL-02507	Northern ( Sewer	Outfall	Digital 400 D	Canon	19.06.07	SE	17607684	Shot showing modern concrete platform with inset metal drain cover
97	OL-02507	Northern ( Sewer	Outfall	Digital 400 D	Canon	19.06.07	N	17607685	Shot or original damage brick platform on south embankment of Greenway
98	OL-02507	Northern ( Sewer	Outfall	Digital 400 D	Canon	19.06.07	N	17607686	Shot of south embankment from a midway point
99	OL-02507	Northern (Sewer	Outfall	Digital 400 D	Canon	19.06.07	W	17607687	Shot of sewer pipe running through brick structure
100	OL-02507	Northern ( Sewer	Outfall	Digital 400 D	Canon	19.06.07	W	17607688	Shot of sewer pipe running through brick structure
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101	OL-02507	Northern Outi	all Digital Canon 400 D	19.06.07	W	17607689	Shot of sewer pipe running through brick structure
102	OL-02507	Northern Outi	Digital Canon 400 D	19.06.07	W	17607690	Shot of sewer pipe running through brick structure
103	OL-02507	Northern Outi	Pall Digital Canon 400 D	19.06.07	W	17607691	Detailed photograph of sewer pipe on south embankment
104	OL-02507	Northern Outi	Digital Canon 400 D	19.06.07	-	17607692	Detailed showing decorative metal support attached to original railings on Greenway
105	OL-02507	Northern Outi Sewer	all Digital Canon 400 D	19.06.07	NW	17607693	Shot showing centrifugal pump from Abbey Mills Pumping Station on south embankment of Greenway
106	OL-02507	Northern Outi	Digital Canon 400 D	19.06.07	SE	17607694	Shot showing north embankment of Greenway
107	OL-02507	Northern Outi	all Digital Canon 400 D	19.06.07	SE	17607695	Shot of inset metal drain cover on Greenway
108	OL-02507	Northern Out Sewer	all Digital Canon 400 D	19.06.07	-	17607696	Shot of inset metal drain cover on Greenway
109	OL-02507	Northern Out Sewer	all Digital Canon 400 D	19.06.07	S	17607697	Shot of Electricity box on south embankment
110	OL-02507	Northern Outi	all Digital Canon 400 D	19.06.07	NW	17607698	Shot of Greenway entrance on east side Stratford High Street
111	OL-02507	Northern Outi	all Digital Canon 400 D	19.06.07	NW	17607699	Shot of Greenway entrance on east side Stratford High Street
112	OL-02507	Northern Outi	Digital Canon 400 D	19.06.07	NW	17607700	Shot of Greenway entrance on east side Stratford High Street
113	OL-02507	Northern Outi	Digital Canon 400 D	20.06.07	NE	17607701	Shot showing access point 6 stairway on south embankment
114	OL-02507	Northern Outi	Digital Canon 400 D	20.06.07	SE	17607702	Shot showing base of access point 6 ramp on south embankment
115	OL-02507	Northern Outi Sewer	Digital Canon 400 D	20.06.07	NW	17607703	Shot showing Greenway sign at base of south embankment
116	OL-02507	Northern Outi Sewer	Digital Canon 400 D	20.06.07	NW	17607704	Close up photograph of metal railing at base of south embankment
117	OL-02507	Northern Outi	Digital Canon 400 D	20.06.07	NW	17607705	Detailed photograph of metal handrail at base access 6 stairway
118	OL-02507	Northern Outi	all Digital Canon 400 D	20.06.07	NW	17607706	Shot of access point 6 ramp
119	OL-02507	Northern Outi Sewer	Digital Canon 400 D	20.06.07	S	17607707	Detailed photograph of metal handrail of access point 6 ramp
120	OL-02507	Northern Outi Sewer	Digital Canon 400 D	20.06.07	Е	17607708	Shot showing anti- motorcycle barriers on access point 6 ramp
121	OL-02507	Northern Outi	Digital Canon 400 D	20.06.07	NW	17607709	Shot showing top of access point 6 ramp on south embankment

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122	OL-02507	Northern Sewer		400 D			NW	17607710	Shot looking down access point 6 ramp
123	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	20.06.07	NW	17607711	Shot looking down access point 6 ramp with metal barrier in foreground
124	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	20.06.07	NW	17607712	Shot showing entrance from access point 6 ramp onto Greenway
125	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	20.06.07	SW	17607713	Shot showing modern Greenway railing and original Northern Outfall Sewer railings on south embankment
126	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	20.06.07	NE	17607714	Shot of typical signage along Greenway on north embankment
127	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	20.06.07	NW	17607715	Shot of sewage pipe segment used as Greenway sign
128	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	20.06.07	NW	17607716	Shot of sewage pipe segment used as Greenway sign
129	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	20.06.07	SW	17607717	Shot of railings on south embankment of Greenway
130	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	20.06.07	SE	17607718	Shot of railings on north embankment of Greenway
131	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	20.06.07	SE	17607719	Shot of railings on north embankment of Greenway
132	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	20.06.07	SW	17607720	Shot of access point 6 entrance onto Greenway with sign posts in foreground
133	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	20.06.07	SW	17607721	Detailed photograph showing back of sewage pipe segment used as Greenway sign
134	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	20.06.07	SW	17607722	Shot showing top of access point 6 stairway on south embankment
135	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	20.06.07	SE	17607723	Shot showing modern Greenway railing and original Northern Outfall Sewer railings on access point 6
136	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	20.06.07	NE	17607724	Shot showing modern Greenway railing and original Northern Outfall Sewer railings on access point 6
137	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	20.06.07	NW	17607725	Shot showing profile of south embankment to west of access point 6
138	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	20.06.07	NW	17607726	Shot showing profile of south embankment to west of access point 6
139	OL-02507	Northern Sewer		400 D			SE	17607727	Shot showing profile of south embankment
140	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	20.06.07	NW	17607728	Shot showing profile of south embankment to west of access point 6

141         OL-02507         Northern Sewer         Outfall Digital Canon 20.06.07         NE         1760772           142         OL-02507         Northern Sewer         Outfall Digital Canon 20.06.07         NE         1760773           143         OL-02507         Northern Outfall Sewer         Digital Canon 20.06.07         NE         1760773           143         OL-02507         Northern Outfall Sewer         Digital Canon 20.06.07         NE         1760773	Stratford High Street  Shot of Greenway toward Stratford High Street
Sewer   400 D	Stratford High Street
	Shot showing gated entrance
	to access point 5
144         OL-02507         Northern Outfall Sewer         Digital Canon 20.06.07         NE         1760773	Shot showing metal railings on north embankment
145         OL-02507         Northern Outfall Sewer         Digital Canon 400 D         20.06.07         NE         1760773	Shot showing metal railings on north embankment
146         OL-02507         Northern Outfall Sewer         Digital Canon 20.06.07         NE         1760773	Shot showing metal railings on north embankment
147         OL-02507         Northern Outfall Sewer         Digital Canon 20.06.07         NE         1760773	Detailed photograph of metal gate hanging post
148         OL-02507         Northern Outfall Sewer         Digital Canon 400 D         20.06.07         NE         1760773	Detailed photograph showing back of sewage pipe segment used as Greenway sign
149         OL-02507         Northern Outfall Sewer         Digital Canon 20.06.07         NE         1760773	Shot showing access point 5 stairway on north embankment
150 OL-02507 Northern Outfall Digital Canon 20.06.07 SE 1760773 Sewer 400 D	Shot of typical signage along Greenway on south embankment
151 OL-02507 Northern Outfall Digital Canon 20.06.07 NE 1760773 Sewer 400 D	Shot showing access point 5 stairway on north embankment
152 OL-02507 Northern Outfall Digital Canon 20.06.07 SW 1760774 Sewer 400 D	Shot showing access point 5 stairway on north embankment
153 OL-02507 Northern Outfall Digital Canon 20.06.07 SW 1760774 Sewer 400 D	Shot showing base of access point 5 stairway
154 OL-02507 Northern Outfall Digital Canon 20.06.07 SW 1760774 400 D	Shot showing alley entrance leading to access point 5 on north embankment
155 OL-02507 Northern Outfall Digital Canon 20.06.07 SW 1760774 Sewer 400 D	Shot showing alley entrance leading to access point 5 on north embankment
156 OL-02507 Northern Outfall Digital Canon 20.06.07 SW 1760774 Sewer 400 D	Shot showing alley entrance leading to access point 5 on north embankment
157 OL-02507 Northern Outfall Digital Canon 20.06.07 SW 1760774 Sewer 400 D	Shot of industrial estate car park on north side of Greenway
158         OL-02507         Northern Outfall Sewer         Digital Canon 20.06.07         SE         1760774	•
159 OL-02507 Northern Outfall Digital Canon 20.06.07 - 1760774	modern Drain cover
160         OL-02507         Northern Outfall Sewer         Digital Canon 400 D         20.06.07         NE         1760774	·
161         OL-02507         Northern Outfall Sewer         Digital Canon 400 D         20.06.07         NW         1760774	·
162         OL-02507         Northern Outfall Sewer         Digital Canon 20.06.07         NE         1760775	Shot of Greenway

	OL-02507	Northern Ou Sewer		gital Canon	20.06.07	SE	17607751	Shot showing metal railings
				-				on south embankment with Abbey Mills in background
164	OL-02507	Northern Ou Sewer		gital Canon 0 D	20.06.07	SE	17607752	Shot showing modern gate inserted into original railings on south embankment
165	OL-02507	Northern Ou Sewer		gital Canon 0 D	20.06.07	NE	17607753	Shot of original gate on north embankment (closed)
166	OL-02507	Northern Ou Sewer		gital Canon 0 D	20.06.07	NE	17607754	Shot of original gate on north embankment (open)
167	OL-02507	Northern Ou Sewer		gital Canon 0 D	20.06.07	SE	17607755	Shot of original brick and sandstone structure covered with modern cement on north embankment
168	OL-02507	Northern Ou Sewer		gital Canon 0 D	20.06.07	NE	17607756	Detailed photograph of modern concrete cap with metal access panels
169	OL-02507	Northern Ou Sewer		gital Canon 0 D	20.06.07	SW	17607757	Shot of original brick and sandstone structure covered with modern cement on north embankment
170	OL-02507	Northern Ou Sewer		gital Canon 0 D	20.06.07	NE	17607758	Shot of Gasholder on north side of Greenway
171	OL-02507	Northern Ou Sewer		gital Canon 0 D	20.06.07	NE	17607759	Shot of brick wall at base of north embankment showing amount of vegetation in foreground
172	OL-02507	Northern Ou Sewer		gital Canon 0 D	20.06.07	SW	17607760	General photograph of Greenway
173	OL-02507	Northern Ou Sewer		gital Canon 0 D	20.06.07	NW	17607761	Shot of greenway sign pointing towards access point 7
174	OL-02507	Northern Ou Sewer		gital Canon 0 D	20.06.07	NW	17607762	Close up photograph showing hanging gate post of access point 7
175	OL-02507	Northern Ou Sewer		gital Canon 0 D	20.06.07	NW	17607763	Shot showing access point 7 1st stairway
176	OL-02507	Northern Ou Sewer		gital Canon 0 D	20.06.07	SW	17607764	Shot showing access point 7's stairway handrail
177	OL-02507	Northern Ou Sewer	400	0 D		SE	17607765	Shot showing access point 7 2nd stairway
	OL-02507	Northern Ou Sewer	400	0 D		NW	17607766	Shot of brick wall at base of north embankment
179	OL-02507	Northern Ou Sewer		gital Canon 0 D	20.06.07	NE	17607767	Shot showing gated entrance to access point 7
180	OL-02507	Northern Ou Sewer		gital Canon 0 D	20.06.07	NE	17607768	Shot showing entrance from Abbey Lane to access point 7
181	OL-02507	Northern Ou Sewer		gital Canon 0 D	20.06.07	NE	17607769	Shot showing entrance from Abbey Lane to access point 7
182	OL-02507	Northern Ou Sewer		gital Canon 0 D	20.06.07	SW	17607770	shot showing modern metal railings at base of Abbey Lane Pedestrian Bridge

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183	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	SW	17607771	shot showing modern metal railings at base of Abbey Lane Pedestrian Bridge
184	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	SW	17607772	shot showing modern metal railings at base of Abbey Lane Pedestrian Bridge
185	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	-	17607773	Detailed photograph of metal drain cover
186	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	NE	17607774	Shot of Greenway spanning Abbey Lane Pedestrian Bridge
187	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	SE	17607775	General photograph of Greenway
188	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	SE	17607776	General photograph of Greenway
189	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	SW	17607777	Shot showing junction between cement fencing and metal railings
190	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	NW	17607778	General photograph of Greenway
191	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	NE	17607779	Shot of sewage pipe segment used as Greenway sign on north embankment
192	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	SW	17607780	Detailed photograph showing top of modern fencing
193	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	SW	17607781	Shot showing metal fencing with Abbey Mills Pumping Station in background
194	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	SE	17607782	General photograph of Greenway
195	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	NE	17607783	General photograph of Greenway
196	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	SE	17607784	Shot showing junction between modern and original metal fencing
197	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	NE	17607785	Shot showing north embankment with inset metal drainage cover
198	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	NW	17607786	Shot showing modern metal fencing with concrete structure and Abbey Mills Pumping Station in background
199	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	NE	17607787	Shot showing metal fencing on south embankment
200	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	NE	17607788	Shot showing metal fencing on south embankment
201	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	SE	17607789	Shot showing brick structure on North embankment
202	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	20.06.07	SE	17607790	Shot showing brick structure on North embankment
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203	OL-02507	Northern Sewer	Outfall	Digital Car 400 D	non	20.06.07	SW	17607791	Shot showing brick structure on North embankment
204	OL-02507	Northern Sewer	Outfall	Digital Car 400 D	non	20.06.07	SW	17607792	Shot showing brick structure on North embankment
205	OL-02507	Northern Sewer	Outfall	Digital Car 400 D	non	20.06.07	SW	17607793	Shot showing brick structure on North embankment
206	OL-02507	Northern Sewer	Outfall	Digital Car 400 D	non	20.06.07	SW	17607794	Shot showing brick structure on North embankment
207	OL-02507	Northern Sewer	Outfall	Digital Car 400 D	non	20.06.07	W	17607795	Shot of metal pipe attached to brick structure on north embankment
208	OL-02507	Northern Sewer	Outfall	Digital Car 400 D	non	20.06.07	SW	17607796	Shot of metal pipe attached to brick structure on north embankment
209	OL-02507	Northern Sewer	Outfall	Digital Car 400 D	non	20.06.07	SW	17607797	Shot of metal pipe attached to brick structure on north embankment
210	OL-02507	Northern Sewer	Outfall	Digital Car 400 D	non	20.06.07	SE	17607798	Shot showing pathway on north embankment leading access point 8
	OL-02507	Sewer		Digital Car 400 D			NE	17607799	Shot of greenway sign pointing towards access point 8
212	OL-02507	Northern Sewer	Outfall	Digital Car 400 D	non	20.06.07	NE	17607800	Shot of access point 8 stairway
213	OL-02507	Northern Sewer	Outfall	Digital Car 400 D	non	20.06.07	NE	17607801	Shot of access point 8 stairway
214	OL-02507	Northern Sewer	Outfall	Digital Car 400 D	non	20.06.07	NE	17607802	Shot showing junction between modern and original metal fencing
215	OL-02507	Northern Sewer	Outfall	Digital Car 400 D	non	20.06.07	SW	17607803	Shot of access point 8 stairway
216	OL-02507	Northern Sewer	Outfall	Digital Car 400 D	non	20.06.07	SW	17607804	Shot of access point 8 stairway
217	OL-02507	Northern Sewer	Outfall	Digital Car 400 D	non	20.06.07	SW	17607805	Shot showing metal pipe covered by access point 8 stairway
218	OL-02507	Sewer		Digital Car 400 D			SE	17607806	Shot showing gated entrance to access point 8
219	OL-02507	Northern Sewer	Outfall	Digital Car 400 D	non	20.06.07	NW	17607807	Shot showing entrance to access point 8
220	OL-02507	Northern Sewer	Outfall	Digital Car 400 D	non	20.06.07	SW	17607808	Shot showing Greenway entrance to access point 8 on south side of Abbey Road
221	OL-02507	Northern Sewer	Outfall	Digital Car 400 D	non	20.06.07	SW	17607809	Shot showing Greenway entrance to access point 8 on south side of Abbey Road
	OL-02507	Sewer		Digital Car 400 D			SW	17607810	Detailed photograph of metal bollard
223	OL-02507	Northern Sewer	Outfall	Digital Car 400 D	non	20.06.07	SW	17607811	Detailed photograph of blue engineering bricks

224	OL-02507	Northern Sewer	Outfall	Digital Cano 400 D	on 20.06.07	SW	17607812	close up of access point 8 stairway with attached metal handrail
225	OL-02507	Northern Sewer	Outfall	Digital Cano 400 D	on 21.06.07	SW	17607813	Shot showing profile of south embankment within Abbey Mills Pumping Station grounds
226	OL-02507	Northern Sewer	Outfall	Digital Cano 400 D	on 21.06.07	NE	17607814	Shot showing profile of south embankment within Abbey Mills Pumping Station grounds
227	OL-02507	Northern Sewer	Outfall	Digital Cand 400 D	on 21.06.07	S-SE	17607815	Working photograph
228	OL-02507	Northern Sewer	Outfall	Digital Cano 400 D	on 21.06.07	S-SE	17607816	Zoomed in working photograph
229	OL-02507	Northern Sewer	Outfall	Digital Cand 400 D	on 21.06.07	SW	17607817	Working photograph
230	OL-02507	Sewer		Digital Cano 400 D		SW	17607818	Working photograph
231	OL-02507	Northern Sewer	Outfall	Digital Cano 400 D	on 21.06.07	-	17607819	Close up photograph showing inset RSJ
232	OL-02507	Northern Sewer	Outfall	Digital Cano 400 D	on 21.06.07	-	17607820	Close up photograph showing inset RSJ
233	OL-02507	Northern Sewer	Outfall	Digital Cand 400 D	on 21.06.07	NW	17607821	Shot showing damaged platform edging
234	OL-02507	Sewer		Digital Cano 400 D		SE	17607822	Shot showing damaged platform edging
235	OL-02507	Northern Sewer	Outfall	Digital Cano 400 D	on 21.06.07	-	17607823	Close up photograph showing inset RSJ
236	OL-02507	Northern Sewer	Outfall	Digital Cand 400 D	on 21.06.07	SE	17607824	Shot showing exposed RSJs inset to platform edge
237	OL-02507	Northern Sewer	Outfall	Digital Cano 400 D	on 21.06.07	NW	17607825	Shot showing damaged platform edging
238	OL-02507	Northern Sewer	Outfall	Digital Cano 400 D	on 21.06.07	NW	17607826	Shot of entrance gate from Abbey Lane taken from with in ground of Abbey Mill Station
239	OL-02507	Northern Sewer	Outfall	Digital Cano 400 D	on 21.06.07	NE	17607827	Shot showing south embankment within Abbey Mills Pumping Station grounds
240	OL-02507	Northern Sewer	Outfall	Digital Cano 400 D	on 21.06.07	NE	17607828	Shot showing south embankment within Abbey Mills Pumping Station grounds
241	OL-02507	Northern Sewer	Outfall	Digital Cand 400 D	on 21.06.07	NE	17607829	Shot showing south embankment within Abbey Mills Pumping Station grounds
242	OL-02507	Northern Sewer	Outfall	Digital Cano 400 D	on 21.06.07	SE	17607830	Shot showing profile of south embankment within Abbey Mills Pumping Station grounds
243	OL-02507	Northern Sewer	Outfall	Digital Cano 400 D	on 21.06.07	SE	17607831	Shot showing concrete steps on south embankment
244	OL-02507	Northern Sewer	Outfall	Digital Cano 400 D	on 21.06.07	SE	17607832	Shot showing exposed concrete on south embankment

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245	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	NW	17607833	Working photograph
246	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	NW	17607834	Shot showing concrete platform on east side of Abbey Lane Bridge
247	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SW	17607835	Overhead photograph concrete platform on east side of Abbey Lane Bridge
248	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SW	17607836	Overhead photograph concrete platform on east side of Abbey Lane Bridge
249	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SW	17607837	Overhead photograph concrete platform on east side of Abbey Lane Bridge
250	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SE	17607838	Shot of metal pipe along top of south embankment within Abbey Mills Pumping Station grounds.
251	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SE	17607839	Shot of metal pipe along top of south embankment within Abbey Mills Pumping Station grounds.
252	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	S-SE	17607840	Overhead photograph of metal pipe along top of south embankment within Abbey Mills Pumping Station grounds.
253	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SE	17607841	Shot showing metal gratings leading to sewers on south embankment
254	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	NW	17607842	Shot showing east embankment of Abbey Lane Pedestrian Bridge
255	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	NW	17607843	Shot showing metal gratings leading to sewers on south embankment
256	OL-02507	Northern Sewer		Digital 400 D		21.06.07	SE	17607844	Shot showing profile of south embankment within Abbey Mills Pumping Station grounds
257	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	NW	17607845	Shot showing top of south embankment
258	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	S-SW	17607846	General photograph of Abbey Mills Pumping Station taken from south embankment
259	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	S-SW	17607847	General photograph of Abbey Mills Pumping Station taken from south embankment
260	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	S-SW	17607848	General photograph of Abbey Mills Pumping Station taken from south embankment
261	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	S-SW	17607849	General photograph of Abbey Mills Pumping Station taken from south embankment
262	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SW	17607850	General photograph of Abbey Mills Pumping Station and profile of south embankment

263	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SE	17607851	Shot showing top of south embankment
264	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SE	17607852	Shot showing top of south embankment
265	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SE	17607853	Shot showing structures in SE corner of Abbey Mills Pumping Station
266	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	NW	17607854	Shot of access point to sewer on south embankment
267	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	S-SE	17607855	Shot looking down concrete steps on south embankment
268	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	NW	17607856	Profile photograph of concrete steps on south embankment
269	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	NW	17607857	Close up photograph showing profile of concrete steps on south embankment
270	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	NW	17607858	Close up photograph showing metal handrail attached to concrete steps
271	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	NW	17607859	Close up photograph showing metal handrail
272	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SE	17607860	Shot of concrete steps on south embankment
273	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	NW	17607861	Shot showing low retaining at base of south embankment
274	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SE	17607862	Shot showing SE corner of Abbey Mills Pumping Station
275	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SE	17607863	Close up photograph showing profile of concrete steps and south embankment in SE corner of Abbey Mills Pumping Station
276	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SE	17607864	General photograph of SE corner of Abbey Mill Pumping Station
277	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SE	17607865	General photograph of SE corner of Abbey Mill Pumping Station
278	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SE	17607866	General photograph of SE corner of Abbey Mill Pumping Station
279	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SE	17607867	Shot showing concrete steps in SE corner of Abbey Mills Pumping Station
280	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SE	17607868	Shot showing concrete steps in SE corner of Abbey Mills Pumping Station
281	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SE	17607869	Shot showing access point to sewers
282	OL-02507	Northern Sewer		400 D			S-SW	17607870	Shot showing access point to sewers
283	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	S-SW	17607871	Shot showing access point to sewers

284	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	NW	17607872	Shot showing profile of embankment in SE corner of Abbey Mills Pumping Station
285	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	N	17607873	Shot showing profile of concrete steps in SE corner of Abbey Mills Pumping Station
286	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SW	17607874	General photograph of grounds on north side of Abbey Mills Pumping Station
287	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SE	17607875	Shot of modern sewer pipes in SE corner of Abbey Mills Pumping Station
288	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SE	17607876	Shot of modern sewer pipes in SE corner of Abbey Mills Pumping Station
289	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	SE	17607877	Shot showing Channelsea Bridge taken from with grounds of Abbey Mills Pumping Station
290	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	S-SW	17607878	Shot showing covered access hatch and associated machinery
291	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	S-SW	17607879	Overhead photograph showing concrete platform and access covers in Se corner of Abbey Mills Pumping Station
292	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	S-SW	17607880	General photograph of grounds in front of Pumping Station in SE corner
293	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	NE	17607881	Shot showing concrete platform and access covers in SE corner of Abbey Mills Pumping Station
294	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	NE	17607882	General photograph of SE corner of Abbey Mills Pumping Station
295	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	NE	17607883	Close up photograph showing machinery associated with sewer access/penstock chambers
296	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	NE	17607884	Shot showing covered access hatch and associated machinery
297	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	N-NE	17607885	Shot of small brick building in SE corner of Abbey Mills Pumping Station grounds
298	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	N-NE	17607886	Shot of small brick building in SE corner of Abbey Mills Pumping Station grounds
299	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	21.06.07	N-NW	17607887	Shot of small brick building in SE corner of Abbey Mills Pumping Station grounds

300	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	21.06.07	N-NW	17607888	Shot of small brick building in SE corner of Abbey Mills Pumping Station grounds
301	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	21.06.07	NE	17607889	Shot showing concrete area immediately in front of Abbey Mills Pumping Station
302	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	21.06.07	NE	17607890	Shot showing concrete area immediately in front of Abbey Mills Pumping Station
303	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	21.06.07	NE	17607891	Shot showing concrete area immediately in front of Abbey Mills Pumping Station
304	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	21.06.07	NE	17607892	Shot showing concrete area immediately in front of Abbey Mills Pumping Station
305	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	21.06.07	SE	17607893	Shot showing concrete area immediately in front of Abbey Mills Pumping Station
306	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	21.06.07	SE	17607894	Shot showing concrete area immediately in front of Abbey Mills Pumping Station
307	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	21.06.07	SE	17607895	Shot showing concrete area immediately in front of Abbey Mills Pumping Station
308	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	21.06.07	NW	17607896	Small garden near NW corner of Abbey Mills Pumping Station
309	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	21.06.07	SE	17607897	General overhead photograph of SE corner of Abbey Mills Pumping Station
310	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	21.06.07	SE	17607898	General overhead photograph of SE corner of Abbey Mills Pumping Station
311	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	21.06.07	SE	17607899	General overhead photograph of SE corner of Abbey Mills Pumping Station
312	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	21.06.07	SE	17607900	General overhead photograph of SE corner of Abbey Mills Pumping Station
313	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	21.06.07	SE	17607901	General overhead photograph showing area immediately in front of Abbey Mills Pumping Station
314	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	21.06.07	SE	17607902	General overhead photograph showing area immediately in front of Abbey Mills Pumping Station
315	OL-02507	Northern Sewer	Outfall	Digital C 400 D	Canon	21.06.07	SW	17607903	General overhead photograph showing Abbey Mills Pumping Station roof

316	OL-02507	Northern Sewer	Outfall	Digital Can 400 D	non 2	1.06.07	SW	17607904	General overhead photograph showing Abbey Mills Pumping Station roof
317	OL-02507	Northern Sewer	Outfall	Digital Can 400 D	non 2	1.06.07	SW	17607905	General overhead photograph showing Abbey Mills Pumping Station roof
316	OL-02507	Northern Sewer	Outfall	Digital Can 400 D	non 09	9.07.07	SE	17607906	Shot of south-west end of Abbey Lane Bridge
317	OL-02507	Northern Sewer	Outfall	Digital Can 400 D	non 09	9.07.07	NE	17607907	Shot of north-west end of Abbey Lane Pedestrian Bridge
318	OL-02507	Northern Sewer	Outfall	Digital Can 400 D	non 09	9.07.07	NE	17607908	Shot of north-west end of Abbey Lane Pedestrian Bridge
319	OL-02507	Northern Sewer	Outfall	Digital Can 400 D	non 09	9.07.07	SW	17607909	Shot of Abbey Mills Pumping Station taken from Greenway
320	OL-02507	Northern Sewer	Outfall	Digital Can 400 D	non 09	9.07.07	SW	17607910	Shot of centrifugal pump
321	OL-02507	Northern Sewer	Outfall	Digital Can 400 D	on 09	9.07.07	NE	17607911	Shot of centrifugal pump
322	OL-02507	Sewer		Digital Can 400 D			SE	17607912	Shot of centrifugal pump
323	OL-02507	Sewer		Digital Can 400 D			SE	17607913	Shot of centrifugal pump
324	OL-02507	Sewer		Digital Can 400 D			NE	17607914	Shot of centrifugal pump
325	OL-02507	Sewer		Digital Can 400 D			NW	17607915	Shot of centrifugal pump
326	OL-02507	Sewer		Digital Can 400 D			NE	17607916	Shot of centrifugal pump
327	OL-02507	Sewer		Digital Can 400 D			NW	17607917	Shot of centrifugal pump
328	OL-02507	Northern Sewer	Outfall	Digital Can 400 D	ion 09	9.07.07	SW	17607918	Shot of low brick wall, metal railings and centrifugal pump in background
329	OL-02507	Northern Sewer	Outfall	Digital Can 400 D	on 09	9.07.07	SW	17607919	Shot of low brick wall and metal railings
330	OL-02507	Northern Sewer	Outfall	Digital Can 400 D	non 09	9.07.07	W	17607920	Detailed photograph of metal railings
331	OL-02507	Northern Sewer	Outfall	Digital Can 400 D	non 09	9.07.07	Е	17607921	Shot cement encased pipe in foreground with Channelsea office buildings in background
332	OL-02507	Northern Sewer	Outfall	Digital Can 400 D	non 09	9.07.07	Е	17607922	Shot cement encased pipe in foreground with Channelsea office buildings in background
333	OL-02507	Northern Sewer	Outfall	Digital Can 400 D	non 09	9.07.07	Е	17607923	Shot cement encased pipe in foreground with Channelsea office buildings in background
334	OL-02507	Sewer		Digital Can 400 D			S-SE	17607924	Shot of Three Mills Greenway sign
335	OL-02507	Northern Sewer	Outfall	Digital Can 400 D	non 09	9.07.07	W-SW	17607925	Shot of Greenway sign with Abbey Mills Pumping Station in background
336	OL-02507	Northern Sewer	Outfall	Digital Can 400 D	non 09	9.07.07	NE	17607926	Shot of Channels sea bridge north side

227	01 02507	N1	0 (6.11	D: 1. 1	-	00.07.07	ND.III	17/07027	
337	OL-02507	Northern Sewer		400 D			NNE	17607927	General photograph of railings
338	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	N	17607928	Detailed photograph of junction between railings and brick abutment
339	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	N	17607929	wide photograph showing removed Greenway sign with way-maker on east side
340	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SW	17607930	Detailed photograph of vandalised/removed sign
341	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	N-NE	17607931	Wide photograph of concrete shuttering, wire fence and concrete stanchions
342	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	N-NE	17607932	Shot of concrete shuttering, wire fence and brick abutment
343	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	N-NE	17607933	Shot of brick abutment
344	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	N-NE	17607934	Shot of concrete shuttering
345	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	N-NE	17607935	Detailed photograph of graffiti way-marker
346	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	S-SW	17607936	detailed photograph of railings on south side of Greenway
347	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SW	17607937	View of Channelsea River
348	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SW	17607938	View of Channelsea River
349	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SW	17607939	Shot of railings and cement encased pipe with Channelsea Offices in background
350	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SW	17607940	detailed photograph of railings on south side of Greenway
351	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SE	17607941	detailed photograph of railings on south side of Greenway
352	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	S	17607942	Shot of original gate and railings on south embankment
353	OL-02507	Northern Sewer		400 D			S-SW	17607943	Shot showing remnants of wooden staircase on south embankment
354	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	S-SW	17607944	Shot showing remnants of wooden staircase on south embankment
355	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	S-SW	17607945	Shot of metal gate hanging post
356	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	S	17607946	Detailed photograph of metal gate hanging post
357	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	S	17607947	Detailed photograph of metal gate hanging post
358	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	S	17607948	Detailed photograph gate locking mechanism
359	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	S	17607949	Shot of metal gate hanging post
360	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SW	17607950	General photograph of Greenway

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361	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	-	17607951	Shot of modern drain covers on north embankment
362	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SE	17607952	General photograph of North embankment
363	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	-	17607953	Detailed photograph of metal drainage cover
364	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	-	17607954	Detailed photograph of metal drainage cover
365	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	-	17607955	Detailed photograph of metal drainage cover
366	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SE	17607956	Shot entrance to Greenway from Canning Road
367	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	N-NE	17607957	Shot of modern Greenway railings along footpath of Canning Road
368	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SW	17607958	General photograph of Greenway
369	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SW	17607959	General photograph of Greenway
370	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SE	17607960	Shot of entrance to Greenway on eastern side of Greenway
371	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	S-SE	17607961	Shot of Greenway railings on western side of Canning Road entrance
372	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SE	17607962	Shot of Greenway railings on western side of Canning Road entrance
373	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SW	17607963	Shot of Greenway railings on western side of Canning Road entrance
374	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	S-SE	17607964	Shot of Greenway railings on western side of Canning Road entrance
375	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SW	17607965	Shot of Greenway railings on eastern side of Canning Road entrance
376	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SW	17607966	Shot of Greenway railings on eastern side of Canning Road entrance
377	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SW	17607967	Shot of Greenway entrance on eastern side of Canning Road
378	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	NW	17607968	Shot of Greenway entrance on eastern side of Canning Road
379	OL-02507	Northern Sewer		400 D				17607969	Shot of modern cement inspection cover
		From Building	this po	oint onw	ards p	ohotographs	taken from ro	of of Channelsea	
380	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	N	17607970	Shot of industrial buildings and jubilee line depot
381	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	N-NE	17607971	Shot of industrial buildings and jubilee line depot
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382	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	N	17607972	Shot of Canning Road
383	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	N-NE	17607973	Shot of Canning Road
384	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	NE	17607974	Shot of Canning Road
385	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	NE	17607975	General photograph of Greenway
386	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	Е	17607976	General photograph of Greenway
387	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	E-SE	17607977	General photograph of Greenway
388	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	E-SE	17607978	Shot of Channelsea car park and area behind
389	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	Е	17607979	Shot of Channelsea car park and area behind
390	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	SE	17607980	Shot of Channelsea car park and area behind
391	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	E-SE	17607981	Shot of area behind Channelsea office car park
392	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	Е	17607982	Shot of area behind Channelsea office car park
393	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	SE	17607983	Shot of area behind Channelsea office car park
394	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	S	17607984	Shot of area behind Channelsea office car park
395	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	S-SW	17607985	Shot of area behind Channelsea office car park
396	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	SW	17607986	Shot of area behind Channelsea office car park
397	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	SW	17607987	Shot of area behind Channelsea office car park
398	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	SW	17607988	Shot of area behind Channelsea office car park
399	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	SW	17607989	Shot of area behind Channelsea office car park
400	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	S-SW	17607990	Shot of Channelsea River
401	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	S-SW	17607991	Shot of Channelsea River
402	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	S-SW	17607992	Shot of Channelsea River
403	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	S-SW	17607993	View of central island in Channelsea River
404	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	S-SW	17607994	View of central island in Channelsea River
405	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	S-SW	17607995	View of central island in Channelsea River
406	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	W	17607996	Shot of west bank of Channelsea River
407	OL-02507	Northern Outfall Sewer	Digital Canon 400 D	09.07.07	W-NW	17607997	Shot of west bank of Channelsea River showing high tide intakes

408	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	NW	17607998	Shot of west bank of Channelsea River showing high tide intakes
409	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	NW	17607999	Shot of Pedestrian Bridge spanning the Channelsea River
410	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	NW	24507001	Shot of Pedestrian Bridge spanning the Channelsea River
411	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	NW	24507002	Shot of Pedestrian Bridge spanning the Channelsea River
412	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	N-NW	24507003	Shot of Jubilee Line Depot
413	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	N-NW	24507004	Shot of Jubilee Line Depot on north side of Greenway
414	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	N-NW	24507005	Shot of Jubilee Line Depot on north side of Greenway
415	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	N-NW	24507006	Shot of Jubilee Line Depot on north side of Greenway
416	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	NW	24507007	Shot of Pedestrian Bridge spanning the Channelsea River
417	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	NW	24507008	General photograph of Greenway
418	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	NW	24507009	Close up photograph of Pedestrian Bridge spanning the Channelsea River
419	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	N-NW	24507010	Shot of electricity pylon
420	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	NW	24507011	Shot of Pedestrian Bridge spanning the Channelsea River and west river bank
421	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	NW	24507012	Shot showing remnants of protective piling on south side of Pedestrian Bridge spanning the Channelsea River
422	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	SW	24507013	View of central island in Channelsea River
423	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	W	24507014	Overhead photograph of small parking area on west side of Channelsea offices
424	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	NW	24507015	Shot showing south side of Greenway next to Channelsea river bank
425	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	NW	24507016	Shot showing south side of Greenway next to Channelsea river bank
426	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	SW	24507017	Shot of west bank of Channelsea River showing high tide intakes
427	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	SE	24507018	Shot of area between south embankment and Channelsea building
428	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	SE	24507019	Shot of Canning Road
429	OL-02507	Northern Sewer	Outfall	Digital C 400 D	anon	09.07.07	SE	24507020	General photograph of

							Greenway
420	OI 02507	Nauthau Oat	-11 D:-:4-1 . C	00 07 07	NIE	24507021	Chat of industrial buildings
430	OL-02507	Sewer Outf	Digital Canon 400 D	09.07.07	NE	24507021	Shot of industrial buildings and jubilee line depot
431	OL-02507	Northern Outf Sewer	all Digital Canon 400 D	09.07.07	Е	24507022	General photograph of Greenway showing Canning Road crossing it
432	OL-02507	Northern Outf Sewer	all Digital Canon 400 D	09.07.07	SE	24507023	Shot of Pedestrian Viaduct of Sewer
433	OL-02507	Northern Outf Sewer	Digital Canon 400 D	09.07.07		24507024	Shot of industrial buildings and jubilee line depot
434	OL-02507	Northern Outf Sewer	all Digital Canon 400 D	09.07.07	NE	24507025	Shot of Canning Road
435	OL-02507	Sewer	all Digital Canon 400 D		NE	24507026	Shot of Canning Road
436	OL-02507	Sewer	all Digital Canon 400 D		SE	24507027	General photograph of Greenway showing Canning Road crossing it
437	OL-02507	Northern Outf Sewer	all Digital Canon 400 D	09.07.07	SE	24507028	Shot of Channelsea car park and area behind
438	OL-02507	Sewer	all Digital Canon 400 D		SE	24507029	Shot of Channelsea car park and area behind
439	OL-02507	Northern Outf Sewer	Digital Canon 400 D	09.07.07	SE	24507030	Shot of area behind Channelsea office car park
440	OL-02507	Northern Outf Sewer	Digital Canon 400 D	09.07.07	SE	24507031	Shot of area behind Channelsea office car park
441	OL-02507	Northern Outf Sewer	Digital Canon 400 D	09.07.07	SE	24507032	Shot of area behind Channelsea office car park
442	OL-02507	Northern Outf Sewer	all Digital Canon 400 D	09.07.07	SW	24507033	Shot of Channelsea River
443	OL-02507	Northern Outf Sewer	all Digital Canon 400 D	09.07.07	SW	24507034	View of central island in Channelsea River
444	OL-02507	Sewer	all Digital Canon 400 D		SW	24507035	View of central island in Channelsea River
445	OL-02507	Northern Outf Sewer	All Digital Canon 400 D	09.07.07	SW	24507036	Shot of Pedestrian Bridge spanning the Channelsea River
446	OL-02507	Northern Outf Sewer	all Digital Canon 400 D	09.07.07	SW	24507037	Shot of Pedestrian Bridge spanning the Channelsea River
447	OL-02507	Northern Outf Sewer	all Digital Canon 400 D	09.07.07	SW	24507038	Shot of Pedestrian Bridge spanning the Channelsea River
448	OL-02507	Northern Outf Sewer	Digital Canon 400 D	09.07.07	N-NW	24507039	Shot of industrial buildings and jubilee line depot
449	OL-02507	Northern Outf Sewer	Digital Canon 400 D	09.07.07	N-NW	24507040	Shot showing north side of Pedestrian Bridge spanning the Channelsea River and access point 8
450	OL-02507	Northern Outf Sewer	all Digital Canon 400 D	09.07.07	N-NW	24507041	Shot showing area on north embankment
451	OL-02507	Northern Outf Sewer	all Digital Canon 400 D	09.07.07	N-NW	24507042	Shot of Greenway and pylon
452	OL-02507	Northern Outf Sewer	all Digital Canon 400 D	09.07.07	N-NW	24507043	Shot of Greenway and pylon
453	OL-02507	Northern Outf Sewer	all Digital Canon 400 D	09.07.07	N-NW	24507044	Shot of Greenway and Jubilee Line Depot

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454	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	N-NW	24507045	Shot of Jubilee Line depot and pylon
455	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	NW	24507046	General photograph of Greenway
456	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	NW	24507047	General photograph of Greenway
457	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	NW	24507048	Shot of Pedestrian Viaduct of Sewer
458	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	NW	24507049	Shot of Pedestrian Viaduct of Sewer and pylon
459	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	NW	24507050	Shot of Greenway and pylon
460	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SE	24507051	Shot utility services on Channelsea Building roof
461	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	NW	24507052	Shot utility services on Channelsea Building roof
462	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	N-NW	24507053	Shot utility services on Channelsea Building roof
		From	this poir	nt onwar	ds pho	tograph of (	Greenway taken f	rom ground level	
463	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	N	24507054	Shot of south embankment
464	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SE	24507055	Shot of south embankment
465	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SE	24507056	Shot of Greenway entrance on eastern side of Canning Road
466	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SE	24507057	Shot of Greenway railings on eastern side of Canning Road entrance
467	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SE	24507058	Shot of Greenway railings on eastern side of Canning Road entrance
468	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SE	24507059	Shot of Canning Road
469	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SE	24507060	Shot of Greenway railings on eastern side of Canning Road entrance
470	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SE	24507061	Shot of Greenway railings on eastern side of Canning Road entrance
471	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SE	24507062	Shot of Greenway railings on eastern side of Canning Road entrance
472	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SE	24507063	Shot of Greenway railings on eastern side of Canning Road entrance
473	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	S	24507064	Shot of Canning Road
474	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	N	24507065	Shot of Canning Road
475	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SE	24507066	Shot of Greenway railings on eastern side of Canning Road entrance
476	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SE	24507067	Shot of Greenway railings on eastern side of Canning Road entrance
477	OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	09.07.07	SE	24507068	Detailed photograph of Greenway railings on eastern side of Canning Road entrance

478	OL-02507	Northern C Sewer	Outfall	Digital Car 400 D	non (	09.07.07	SE	24507069	Detailed photograph of Greenway railings on eastern side of Canning Road entrance
479	OL-02507	Northern C Sewer	Outfall	Digital Car 400 D	non (	09.07.07	NW	24507070	General photograph of entrance to Greenway on east side of Canning Road
480	OL-02507	Northern C Sewer	Outfall	Digital Car 400 D	non (	09.07.07	NW	24507071	Working photograph
481	OL-02507	Northern C Sewer	Outfall	Digital Car 400 D	non (	09.07.07	NW	24507072	Working photograph
482	OL-02507	Northern C Sewer	Outfall	Digital Car 400 D	non (	09.07.07	SW	24507073	Detailed photograph of metal kissing gate
483	OL-02507	Northern C Sewer	Outfall	Digital Car 400 D	non (	09.07.07	NW	24507074	Shot of Greenway railings on eastern side of Canning Road entrance
484	OL-02507	Northern C Sewer	Outfall	Digital Car 400 D	non (	09.07.07	-	24507075	Detailed photograph of cement block
485	OL-02507	Northern C Sewer	Outfall	Digital Car 400 D	non (	09.07.07	SW	24507076	General photograph of Greenway
486	OL-02507	Northern C Sewer	Outfall	Digital Car 400 D	non (	09.07.07	SW	24507077	General photograph of Greenway
487	OL-02507	Northern C Sewer	Outfall	Digital Car 400 D	non (	09.07.07	NW	24507078	General photograph of Greenway
488	OL-02507	Northern C Sewer	Outfall	Digital Car 400 D	non (	09.07.07	SW	24507079	Shot of cement encased pipe and railings on north embankment
489	OL-02507	Northern C Sewer	Outfall	Digital Car 400 D	non (	09.07.07	SW	24507080	Shot of cement encased pipe and railings on north embankment
490	OL-02507	Northern C Sewer	Outfall	Digital Car 400 D	non (	09.07.07	SE	24507081	Shot of North embankment and railings
491	OL-02507	Northern C Sewer	Outfall	Digital Car 400 D	on (	09.07.07	NE	24507082	Detailed photograph of brick inspection hatch
492	OL-02507	Northern C Sewer	Outfall	Digital Car 400 D	non (	09.07.07	NE	24507083	Shot of railings and pylon in background
493	OL-02507	Northern C Sewer		Digital Car 400 D			S	24507084	Shot of four metal drain covers
494	OL-02507	Northern C Sewer		400 D			SE	24507085	Shot of south west end of Pedestrian Viaduct
495	OL-02507	Northern C Sewer		400 D			NE	24507086	Shot showing graffiti way- marker
496	OL-02507	Sewer		Digital Car 400 D			SW	24507087	Shot showing back of way- marker
497	OL-02507	Northern C Sewer		400 D			SW	24507088	Shot showing back of way- marker
498	OL-02507	Northern C Sewer		400 D			SE	24507089	Shot of railings and cement
499	OL-02507	Northern C Sewer	Outfall	Digital Car 400 D	non (	09.07.07	SE	24507090	Detailed photograph railings
500	OL-02507	Northern C Sewer	Outfall	Digital Car 400 D	non 1	10.07.07	NE	24507091	Shot of entrance to access point 8 under pylon taken from Pedestrian Bridge spanning the Channelsea River

501	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07	NE	24507092	Shot of entrance to access point 8 under pylon taken from Pedestrian Bridge spanning the Channelsea River
502	OL-02507	Northern Ou Sewer	Digital Canon 400 D	10.07.07	NE	24507093	Shot of entrance to access point 8 under pylon taken from Pedestrian Bridge spanning the Channelsea River
503	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07	E-SE	24507094	Shot of Greenway spanning the Pedestrian Viaduct
504	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07	E-SE	24507095	Shot of Greenway spanning the Pedestrian Viaduct
505	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07	E-SE	24507096	Shot of Greenway spanning the Pedestrian Viaduct
506	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07	NE	24507097	Shot of access point 9
507	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07	E-SE	24507098	Shot of Greenway spanning the Pedestrian Viaduct
508	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07	E-SE	24507099	Shot of cement structure on north side of Pedestrian Viaduct
509	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07	E-SE	24507100	Shot of cement structure on north side of Pedestrian Viaduct
510	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07	NE	24507101	Shot of railings on north embankment of Greenway
511	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07	NE	24507102	Shot of railings on north embankment of Greenway
512	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07	NE	24507103	Shot of north west side of Pedestrian Viaduct
513	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07	NE	24507104	Shot of north west side of Pedestrian Viaduct
514	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07	NE	24507105	Shot of Greenway Sign
515	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07	NE	24507106	Shot of Greenway Sign and way-marker
516	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07	SW	24507107	Shot of Greenway Sign and way-marker
517	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07	SW	24507108	Shot of railings next to access point 9
518	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07	SE	24507109	Shot of access point 9
519	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07	NW	24507110	Shot of south embankment
520	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07	SE	24507111	Shot of south embankment
521	OL-02507	Sewer	Digital Canon 400 D		N	24507112	Shot of access point 9 stairway
522	OL-02507	Sewer	Digital Canon 400 D		Е	24507113	Shot access point stairway and ramp
523	OL-02507	Northern Or Sewer	Digital Canon 400 D	10.07.07		24507114	Shot of Railings on top of south embankment

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524	OL-02507	Northern ( Sewer	Outfall	Digital Canon 400 D	10.07.07	N	24507115	Shot of railings and cement structure on top of south embankment
525	OL-02507	Northern (Sewer	Outfall	Digital Canon 400 D	10.07.07	SW	24507116	Shot of Kissing gate at entrance to access point 9
526	OL-02507	Northern ( Sewer		Digital Canon 400 D	10.07.07	NE	24507117	Shot of graffiti information sign
527	OL-02507	Northern (Sewer	Outfall	Digital Canon 400 D	10.07.07	NE	24507118	Shot of access point 9 entrance way taken from west side of Manor road
528	OL-02507	Northern (Sewer	Outfall	Digital Canon 400 D	10.07.07	SE	24507119	Shot of access point 9 entrance way taken from west side of Manor road
529	OL-02507	Sewer		Digital Canon 400 D		NE	24507120	Shot of access point 9 entrance way taken from west side of Manor road
530	OL-02507	Sewer		Digital Canon 400 D		NE	24507121	Shot of Pedestrian Viaduct over Manor Road
531	OL-02507	Northern ( Sewer	Outfall	Digital Canon 400 D	10.07.07	SW	24507122	Detailed photograph of metal bollard
532	OL-02507	Sewer		Digital Canon 400 D		SE	24507123	Shot of entrance to access point 9
533	OL-02507	Sewer		Digital Canon 400 D		NE	24507124	Shot of south embankment
534	OL-02507	Sewer		Digital Canon 400 D		Е	24507125	Shot of entrance to access point 9
535	OL-02507	Sewer		Digital Canon 400 D		Е	24507126	Shot of entrance to access point 9
536	OL-02507	Sewer		Digital Canon 400 D		SE	24507127	Detailed photograph of lockable gate at access point 9 entrance
537	OL-02507	Northern ( Sewer	Outfall	Digital Canon 400 D	10.07.07	NE	24507128	Shot of access point 9 ramp way
538	OL-02507	Northern ( Sewer	Outfall	Digital Canon 400 D	10.07.07	N	24507129	Shot of access point 9 stairway taken from base of south embankment
539	OL-02507	Northern (Sewer	Outfall	Digital Canon 400 D	10.07.07	N	24507130	Shot of access point 9 stairway taken from base of south embankment
540	OL-02507	Northern (Sewer	Outfall	Digital Canon 400 D	10.07.07	SW	24507131	Shot of timber revetment at base of south embankment
541	OL-02507	Northern (Sewer	Outfall	Digital Canon 400 D	10.07.07	N	24507132	Shot of timber revetment at base of south embankment
542	OL-02507	Northern ( Sewer	Outfall	Digital Canon 400 D	10.07.07	SW	24507133	Shot of access point 9 ramp- way
543	OL-02507	Sewer		Digital Canon 400 D		SE	24507134	Shot of access point 9 ramp- way
544	OL-02507	Northern (Sewer	Outfall	Digital Canon 400 D	10.07.07	SW	24507135	Shot of access point 9 ramp- way with ant-motor-cycle barriers
545	OL-02507	Northern (Sewer	Outfall	Digital Canon 400 D	10.07.07	SW	24507137	Detailed photograph showing timber stanchion of revetment
546	OL-02507	Northern (Sewer	Outfall	Digital Canon 400 D	10.07.07	SW	24507138	Detailed photograph showing timber stanchion of revetment
547	OL-02507	Northern (Sewer	Outfall	Digital Canon 400 D	10.07.07	SW	24507139	Detailed photograph showing timber stanchion of revetment

549 O 550 O 551 O 552 O	DL-02507 DL-02507 DL-02507 DL-02507	Sewer Northern Sewer Northern Sewer	Outfall	Digital Canon 400 D Digital Canon 400 D		SW NW	24507140 24507141	Shot showing top of access 9 ramp way  Shot of access point 9 on
550 O 551 O 552 O	DL-02507 DL-02507 DL-02507	Sewer Northern Sewer			10.07.07	NW	24507141	Shot of access point 9 on
551 O	DL-02507 DL-02507	Sewer	Outfall					Greenway
552 O	DL-02507	N1 0 sr 41		Digital Canon 400 D	10.07.07	NE	24507142	Shot of Greenway sign and way marker
		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	SW	24507143	Shot of metal drain covers
553 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	NE	24507144	Shot of railings and inspection hatches on north embankment
		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	NE	24507145	Shot of railings and inspection hatches on north embankment
554 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	N	24507146	Shot of brick inspection hatches on north embankment
555 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	N	24507147	Shot of brick inspection hatches on north embankment
556 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	Е	24507148	Shot of cement shuttering on north embankment
557 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	SW	24507149	Shot access point
558 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	SW	24507150	Shot of railings and north embankment
559 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	SE	24507151	Shot of railings with car park below in background
560 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	NW	24507152	Shot of railings with car park below in background
561 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	NW	24507153	Shot of railings with car park below in background
562 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	N	24507154	Detailed photograph of railings with car park below in background
563 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	NE	24507155	Detailed photograph of railings with car park below in background
564 O	DL-02507	Northern Sewer		Digital Canon 400 D	10.07.07	SE	24507156	Shot of access point stairway
565 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	SE	24507157	Shot of south embankment
566 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	SE	24507158	Shot of north embankment
567 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	SE	24507159	Shot of railings on north embankment
568 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	SE	24507160	Detailed photograph of railings
569 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	SE	24507161	Detailed photograph of railings
570 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	SE	24507162	Detailed photograph of railings
571 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	NE	24507163	Shot of metal bench on south side of Greenway
572 O	DL-02507		Outfall	Digital Canon 400 D	10.07.07	NE	24507164	Shot of metal bench on south side of Greenway
573 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	NE	24507165	Shot of metal bench on south side of Greenway
574 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	SE	24507166	Shot of original railings and gate
575 O		Northern Sewer	Outfall	Digital Canon 400 D	10.07.07	SE	24507167	Detailed photograph of metal gate post

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576	OL-02507	Northern O Sewer		Digital Canon 400 D	10.07.07	SE	24507168	Detailed photograph of metal gate post
577	OL-02507	Northern O Sewer		Digital Canon 400 D	10.07.07	SE	24507169	Detailed photograph of gate latch
578	OL-02507	Northern O Sewer		Digital Canon 400 D	10.07.07	SE	24507170	Detailed photograph of metal base plate of gate post
579	OL-02507	Northern O Sewer		Digital Canon 400 D	10.07.07	SE	24507171	Detailed photograph of metal base plate of gate post
580	OL-02507	Northern O Sewer		Digital Canon 400 D	10.07.07	SE	24507172	Detailed photograph of metal gate post
581	OL-02507	Northern O Sewer		Digital Canon 400 D	10.07.07	NW	24507173	General photograph of Greenway
582	OL-02507	Northern O Sewer		Digital Canon 400 D	10.07.07	SE	24507174	General photograph of Greenway
583	OL-02507	Northern O Sewer		Digital Canon 400 D	10.07.07	NE	24507175	Shot of railings on
584	OL-02507	Sewer		Digital Canon 400 D		SE	24507176	Shot of metal railings on south embankment
585	OL-02507	Sewer		Digital Canon 400 D		SE	24507177	Shot of metal railings on south embankment
586	OL-02507	Sewer		Digital Canon 400 D		NE	24507178	Shot of metal railings on north embankment
587	OL-02507	Sewer		Digital Canon 400 D		NE	24507179	Shot of metal railings on north embankment
588	OL-02507	Sewer		Digital Canon 400 D		NE	24507180	Shot of metal railings on north embankment
589	OL-02507	Sewer		Digital Canon 400 D		NE	24507181	Shot of metal railings on north embankment
590	OL-02507	Sewer		Digital Canon 400 D		NE	24507182	Shot of metal railings on north embankment
591	OL-02507	Sewer		Digital Canon 400 D		NE	24507183	Shot of graffiti way-marker
592	OL-02507	Sewer		Digital Canon 400 D		NE	24507184	Shot of graffiti way-marker
593	OL-02507	Sewer		Digital Canon 400 D		NE	24507185	Shot of Greenway
594	OL-02507	Sewer		Digital Canon 400 D		NE	24507186	Shot of railings on north embankment
595	OL-02507	Sewer		Digital Canon 400 D		NE	24507187	General photograph of north embankment
596	OL-02507	Northern O Sewer		Digital Canon 400 D	10.07.07	S	24507188	Shot of railings on south embankment of Greenway
597	OL-02507	Northern O Sewer		Digital Canon 400 D	10.07.07	NE	24507189	Detailed photograph of railings
598	OL-02507	Northern O Sewer		Digital Canon 400 D	10.07.07	NE	24507190	Detailed photograph of railings
599	OL-02507	Northern O Sewer		Digital Canon 400 D	10.07.07	SW	24507191	Shot of railings on south embankment of Greenway
600	OL-02507	Northern O Sewer	utfall	Digital Canon 400 D	10.07.07	SW	24507192	Shot of railings on south embankment of Greenway
601	OL-02507	Northern O Sewer		Digital Canon 400 D	10.07.07	SE	24507193	Shot of cement cover inspection hatch-way
602	OL-02507	Northern O Sewer		Digital Canon 400 D	10.07.07	SE	24507194	Shot of cement cover inspection hatch-way
603	OL-02507	Northern O Sewer		Digital Canon 400 D	10.07.07	NE	24507195	Shot of railings on south embankment of Greenway
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604	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	NE	24507196	Shot of railings on south embankment of Greenway
605	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	Е	24507197	Shot of Greenway
606	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	W	24507198	Shot of Greenway
607	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	W	24507199	Shot of Greenway
608	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	NE	24507200	Shot of Greenway Bridge
609	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	SE	24507201	Shot of south west end of Greenway Bridge
610	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	SE	24507202	Shot of south west end of Greenway Bridge
611	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	N	24507203	Shot of replaced inspection cover on Greenway
612	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	NW	24507204	Shot of north west end of Greenway Bridge
613	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	NW	24507205	Shot of north west end of Greenway Bridge
614	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	NE	24507206	Detailed photograph of railings and brick abutment
615	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	NE	24507207	General photograph of Greenway
616	OL-02507	Northern Outfa Sewer	ll Digital Canon 400 D	10.07.07	NE	24507208	Shot of south east end
617	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	NE	24507209	Shot of south west end
618	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	NE	24507210	Shot of south west end
619	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	NE	24507211	Shot of overgrown railings
620	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	S	24507212	Shot of railings on south embankment
621	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	SW	24507213	Shot of railings on south embankment
622	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	SW	24507214	Shot of access point on south embankment
623	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	W	24507215	Profile photograph of south embankment
624	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	W	24507216	Profile photograph of south embankment
625	OL-02507	Northern Outfa Sewer	Il Digital Canon 400 D	10.07.07	W	24507217	Profile photograph of south embankment
626	OL-02507	Northern Outfa Sewer	ll Digital Canon 400 D	10.07.07	NE	24507218	Shot of Greenway sign and way-marker
627	OL-02507	Northern Outfa Sewer	ll Digital Canon 400 D	10.07.07	SW	24507219	Shot of Greenway sign and way-marker
628	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	S	24507220	Shot showing top of stairs to access point
629	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	S	24507221	Shot of access point stairs to recreational park
630	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	N	24507222	Shot of access stairway from park to Greenway
631	OL-02507	Northern Outfa Sewer	400 D		S	24507223	Shot of recreational park
632	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	N	24507224	Shot of recreational park
633	OL-02507	Northern Outfa Sewer	Digital Canon 400 D	10.07.07	N	24507225	Shot of access stairway from park to Greenway

OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	10.07.07	NE	24507226	Shot of railings forming part of access point from park to greenway
OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	10.07.07	SW	24507227	Shot of railings forming part of access point from park to greenway
OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	10.07.07	NW	24507228	Shot of Greenway access point on north embankment
OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	10.07.07	Е	24507229	Shot of Greenway
OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	10.07.07	W	24507230	Shot of Greenway
OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	10.07.07	W	24507231	Shot of Greenway
OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	10.07.07	NE	24507232	Shot of Greenway access point on north embankment
OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	10.07.07	N	24507233	Shot of access point stairway to car park below
OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	10.07.07	S	24507234	Shot of Stairway on North embankment taken from car park below
OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	10.07.07	S	24507235	Shot of Stairway on North embankment taken from car park below
OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	10.07.07	N	24507236	Shot of access point stairway to car park below
OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	10.07.07	SW	24507237	Shot of brick built access hatch on south embankment
OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	10.07.07	W	24507238	Profile of south embankment
OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	10.07.07	W	24507239	Profile of south embankment
OL-02507	Northern Sewer	Outfall	Digital 400 D	Canon	10.07.07	S	24507240	Overhead photograph of brick built access hatch on south embankment
	OL-02507  OL-02507  OL-02507  OL-02507  OL-02507  OL-02507  OL-02507  OL-02507  OL-02507  OL-02507	Sewer           OL-02507         Northern Sewer	Sewer  OL-02507 Northern Outfall Sewer	Sewer	Sewer   400 D	Sewer   400 D	Sewer	Sewer

## 12.22 Photo register 22 Greenway Bridge over the River Lea

ID	SITE CODE	SITE NAME	FILM TYPE	DATE	SCALE	DIRECTION	COMMENTS
ID	SITE CODE	SHENAME	FILMITIE	DATE	SCILL	DIRECTION	Record photograph
1		Greenway Bridge over the River Lea		23.04.07	-	-	
2		Greenway Bridge over the River Lea		23.04.07	-	NW	Close up photograph of Painted metal plaque or south side of Greenway bridge over River Lea
3		Greenway Bridge	Digital colour		-		General photograph showing south side of Greenway Bridge over River Lea
3		Greenway Bridge		23.04.07	-	NW	Shot showing single stone support pier under bridge covered with modern graffiti
4		over the River Lea		23.04.07		SE	
5		Greenway Bridge over the River Lea		22 04 07	-	SE	Shot showing single stone support pier under bridge, covered with modern graffiti
				23.04.07	-	SE	Shot showing single stone support pier under bridge, covered with modern graffiti
6		Greenway Bridge over the River Lea		23.04.07		SE	
		Greenway Bridge			-		Shot showing north side of bridge
7	OL-02207	over the River Lea	film	23.04.07		W-NW	Shot showing brick pier with
					-		sandstone cap under bridge with modern rails to the north and original brickwork to the south on underside of bridge
8		Greenway Bridge over the River Lea		23.04.07		SE	
9		Greenway Bridge over the River Lea		23.04.07	-	NW	Detailed showing composite metal members related to sewer pipes over River Lea on underside of bridge
10		Greenway Bridge over the River Lea		23.04.07	-	W	Shot showing metal underside of bridge and west brick wall with stone support piers
11		Greenway Bridge	Digital colour	23.04.07	-	NW	General photograph showing south side of Greenway Bridge over River Lea with sewer pipe in foreground
12		Greenway Bridge over the River Lea		23.04.07	-	SE	Shot showing SE side of Bridge over River Lea
13		Greenway Bridge over the River Lea		23.04.07	-	NW	Shot showing WW2 defences; 1 pill box and two anti-tank cubes on NW side of Bridge over River Lea

ID	SITE CODE	SITE NAME	FILM TYPE	DATE	SCALE	DIRECTION	COMMENTS
14	OL-02207	Greenway Bridge over the River Lea		23.04.07	-	SE	Shot showing WW2 defences; 1 pill box in foreground and 1 anti-tank blocks in background on NW side of Bridge over River Lea
14	OL-02207	over the River Lea	111111	23.04.07		SL	Kivei Lea
15	OL-02207	Greenway Bridge over the River Lea		23.04.07	-	N	Shot of anti-tank block
16	OL-02207	Greenway Bridge over the River Lea		23.04.07	-	SE	Shot showing SE end of bridge
17	OL-02207	Greenway Bridge over the River Lea		23.04.07	-	NE	Shot showing modern metal railing on north side of Bridge over River Lea
18	OL-02207	Greenway Bridge over the River Lea		23.04.07	-	E-SE	General photograph of Bridge over River Lea and Greenway in background
19	OL-02207	Greenway Bridge over the River Lea		23.04.07	-	N	Shot showing metal railings in foreground and Old Ford Lock in background
20	OL-02207	Greenway Bridge over the River Lea		23.04.07	-	W-NW	General photograph of Bridge over River Lea and WW2 defences
21	OL-02207	Greenway Bridge over the River Lea		23.04.07	-	-	Detailed photograph showing stamped metal girder on underside of Bridge

## 12.23 Photo register 23 Greenway Bridge over Marshgate Lane and Pudding Mill Lane

	armn 60	OVER 31.13.5		D	SCALE	DAND COMPANY	G0151577777
ID	SITE CODE	SITE NAME	FILM TYPE	DATE	SCALE	DIRECTION	COMMENTS  Description of the state of the st
1	OL-02307	Greenway Bridge over Marshgate Lane and Pudding Mill Lane		23.04.07	-	-	Record photograph
2	OL-02307	Greenway Bridge over Marshgate Lane and Pudding Mill Lane		23.04.07	-	_	Detailed photograph showing stamped metal girder on underside of Greenway Bridge
3	OL-02307	Greenway Bridge over Marshgate Lane and Pudding Mill Lane		23.04.07	-	-	Detailed photograph of Metal plaque attached to brick wall under Greenway Bridge
4	OL-02307	Greenway Bridge over Marshgate Lane and Pudding Mill Lane		23.04.07	-	-	Close up photograph of Stamped letter on metal girder on underside of Greenway Bridge
5	OL-02307	Greenway Bridge over Marshgate Lane and Pudding Mill Lane		23.04.07	-	-	Detailed photograph showing metal plates and riveting on underside of Greenway Bridge
6	OL-02307	Greenway Bridge over Marshgate Lane and Pudding Mill Lane		23.04.07	-	NE	Shot showing south side of Greenway Bridge
7		Greenway Bridge over Marshgate Lane and Pudding		23.04.07	-	N-NE	Shot showing brick and sandstone pier on south side of Greenway Bridge

## 12.24 Photo register 24 Pedestrian Subway

Pedestrian   35mm colour   100   3.07.07   NE   Shot showing brick archway over subway   100   3.07.07   NE   Shot showing brick archway over subway   100   3.07.07   NE   Shot showing brick archway over subway   100   3.07.07   NE   Shot showing brick archway over subway   100   3.07.07   NE   Shot showing brick archway over subway   100   3.07.07   NE   Shot showing brick archway over subway   100   3.07.07   NE   Shot showing brick archway over subway   100   3.07.07   NE   Shot showing brick archway over subway   100   3.07.07   NE   Shot showing brick archway over subway   100   3.07.07   NE   Shot showing brick archway over subway   100   3.07.07   NE   Shot showing brick archway, ement stairway and overhead bridge   100   3.07.07   NE   100   3.07.	ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
OL-04107   Subway   Side film   100   3.07.07   NE   Shot showing brick archway over subway   Side film   100   3.07.07   NE   Shot showing brick archway over subway   Side film   100   3.07.07   NE   Shot showing brick archway over subway   Shot showing brick archway, overent stairway and overhead bridge   Shot showing brick archway, overent stairway and overhead bridge   Shot showing brick archway, overent stairway and overhead bridge   Shot showing brick archway, overent stairway and overhead bridge   Shot showing brick archway, overent stairway and overhead bridge   Shot showing brick archway, overent stairway and overhead bridge   Shot showing brick archway, overent stairway and overhead bridge   Shot showing brick archway, overent stairway and overhead bridge   Shot showing brick archway, overent stairway and overhead bridge   Shot showing brick archway, overent stairway and overhead bridge   Shot showing brick archway, overent stairway and overhead bridge   Shot showing brick archway, overent stairway and overhead bridge   Shot showing brick archway, overent stairway and overhead bridge   Shot showing brick archway, overent stairway and overhead bridge   Shot showing brick archway, overent stairway and overhead bridge   Shot showing brick archway, overhead bridge   Shot showing brick									Shot showing brick archway
2 OL-04107 Subway slide film 100 3.07.07 NE Shot showing brick archway over subway and overhead bridge overhea							-		over subway
Some colour   Salaway   Side film   Some colour   Some c	1	OL-04107	Subway	slide film	100	3.07.07		NE	Chat shavving built anabyvay
2 OL-04107 Subway slide film 100 3.07.07 NE Shot showing brick archway oversubway Nement stairway and overhead bridge Subway slide film 100 3.07.07 N N Shot showing brick archway. Overhead bridge Not subway Shot subway Sho									
Pedestrian   Simm colour   Side film   100   3.07.07   NE   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot	2	OL-04107			100	3 07 07	-	NE	
Pedestrian   Simm colour   Side film   100   3.07.07   NE   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot showing brick archway, cement stairway and overhead bridge   Shot		OL-04107	Suoway	Silde Illilli	100	3.07.07		INL	Shot showing brick archway
3 OL-04107   Subway   Side film   100   3.07.07   NE   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot showing brick archway, sement stairway and overhead bridge   Shot show			Pedestrian	35mm colour			-		over subway
Pedestrian 35mm colour slide film 100 3.07.07 N  Pedestrian 35mm colour slide film 100 3.07.07 D  Pedestrian 35mm colour slide film 100	3	OL-04107			100	3.07.07		NE	
Pedestrian 35mm colour slide film 100 3.07.07 N  Shot showing brick archway, cement stairway and overhead bridge overhead brid									
4 OL-04107 Subway slide film 100 3.07.07 N  Pedestrian 35mm colour slide film 100 3.07.07 N  Shot showing brick archway, eement stairway and overhead bridge subway slide film 100 3.07.07 N  Shot showing brick archway, eement stairway and overhead bridge subway slide film 100 3.07.07 N  Shot showing brick archway, eement stairway and overhead bridge subway slide film 100 3.07.07 N  Shot showing brick archway, eement stairway and overhead bridge subway slide film 100 3.07.07 N  Shot showing brick archway, eement stairway and overhead bridge subway slide film 100 3.07.07 N  Shot showing brick archway, eement stairway and overhead bridge subway slide film 100 3.07.07 N  Shot showing brick archway, eement stairway and overhead bridge subway slide film 100 3.07.07 N  Pedestrian 35mm colour slide film 100 3.07.07 N  Pedestrian 35mm colour slide film 100 3.07.07 N  Pedestrian 35mm colour slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E  Pedestrian 35mm colour slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E							-		
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Pedestrian   Subway   Side film   Subway   Side film   Subway   Side film   Subway   Subway   Side film   Subway   Sub			Pedestrian	35mm colour			-		overhead bridge
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6 OL-04107 Subway slide film 100 3.07.07 N  Pedestrian 35mm colour slide film 100 3.07.07 N  Pedestrian 35mm colour slide film 100 3.07.07 N  Shot showing brick archway, cement stairway and overhead bridge    Pedestrian 35mm colour slide film 100 3.07.07 N  Pedestrian 35mm colour slide film 100 3.07.07 N  Shot showing brick archway, cement stairway and overhead bridge    Pedestrian 35mm colour slide film 100 3.07.07 N  Pedestrian 35mm colour slide film 100 3.07.07 N  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E  Pedestrian 35mm colour slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway slide film 100 3.07.07 E							-		
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Pedestrian 35mm colour slide film 100 3.07.07 N  Pedestrian 35mm colour slide film 100 3.07.07 N  Pedestrian 35mm colour slide film 100 3.07.07 N  Shot showing brick archway, cement stairway and overhead bridge overhead bridge  Pedestrian 35mm colour slide film 100 3.07.07 N  Pedestrian 35mm colour slide film 100 3.07.07 N  Pedestrian 35mm colour slide film 100 3.07.07 Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway							0.50		
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8 OL-04107 Subway slide film 100 3.07.07 N  Pedestrian Subway slide film 100 3.07.07 N  Shot showing brick archway, cement stairway and overhead bridge  9 OL-04107 Subway slide film 100 3.07.07 N  Detailed of modern concrete abutting original brickwork of subway  10 OL-04107 Subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  11 OL-04107 Subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  12 OL-04107 Subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway	7	OL-04107	Subway	slide film	100	3.07.07		N	
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8 OL-04107 Subway slide film 100 3.07.07 N Shot showing brick archway, cement stairway and overhead bridge  9 OL-04107 Subway slide film 100 3.07.07 N Detailed of modern concrete abutting original brickwork of subway  10 OL-04107 Subway slide film 100 3.07.07 E Detailed of modern concrete abutting original brickwork of subway  11 OL-04107 Subway slide film 100 3.07.07 E Detailed of modern concrete abutting original brickwork of subway  12 OL-04107 Subway slide film 100 3.07.07 E Detailed of modern concrete abutting original brickwork of subway  13 OL-04107 Subway slide film 100 3.07.07 E Detailed of modern concrete abutting original brickwork of subway  14 OL-04107 Subway slide film 100 3.07.07 E Detailed of modern concrete abutting original brickwork of subway  15 OL-04107 Subway slide film 100 3.07.07 E Detailed of modern concrete abutting original brickwork of subway  16 Detailed of modern concrete abutting original brickwork of subway  17 OL-04107 Subway slide film 100 3.07.07 E Detailed of modern concrete abutting original brickwork of subway  18 OL-04107 Subway slide film 100 3.07.07 E Detailed of modern concrete abutting original brickwork of subway							0.50m		
9 OL-04107 Subway Slide film 100 3.07.07 Detailed of modern concrete abutting original brickwork of subway  10 OL-04107 Subway Slide film 100 3.07.07 E  Pedestrian 35mm colour Subway Slide film 100 3.07.07 E  Pedestrian 35mm colour Subway Slide film 100 3.07.07 E  Pedestrian 35mm colour Subway Slide film 100 3.07.07 E  Pedestrian 35mm colour Subway Slide film 100 3.07.07 E  Pedestrian 35mm colour Subway Slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour Subway Slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour Subway Slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour Subway Slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour Subway Slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour Subway Slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour Subway Slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway	8	OL-04107			100	3 07 07		N	
9 OL-04107 Subway slide film 100 3.07.07 N  Pedestrian 35mm colour slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  10 OL-04107 Subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  11 OL-04107 Subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  12 OL-04107 Subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway		OE 04107	Suoway	Silde IIIII	100	3.07.07		11	Shot showing brick archway,
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Pedestrian 35mm colour slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway	9	OL-04107	Subway	slide film	100	3.07.07		N	D + 11 1 C 1
Pedestrian Subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  11 OL-04107 Subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour  Subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway									
10 OL-04107 Subway slide film 100 3.07.07 E  Pedestrian 35mm colour slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour  35mm colour  35mm colour  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway			D 1 4 .	25 1			-		
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Pedestrian 35mm colour slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway									Detailed of modern concrete
Pedestrian Subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Pedestrian Subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour  Pedestrian 35mm colour  13 OL-04107 Subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour  O.50m  Pedestrian 35mm colour							_		
Pedestrian 35mm colour slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway									or subway
Pedestrian Subway Slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  OL-04107 Subway Slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway	11	OL-04107	Subway	slide film	100	3.07.07		Е	Detailed of modern concrete
Pedestrian Subway Slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Pedestrian Subway Slide film 100 3.07.07  Pedestrian 35mm colour Subway Slide film 100 3.07.07  Pedestrian 35mm colour Subway Slide film 100 3.07.07  Pedestrian 35mm colour Subway Slide film 100 3.07.07  Detailed of modern concrete abutting original brickwork of subway									
12 OL-04107 Subway slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour  Pedestrian 35mm colour			Dadastrian	35mm - 0010			-		of subway
Pedestrian 35mm colour 13 OL-04107 Subway Slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  Detailed of modern concrete abutting original brickwork of subway  O.50m	12	OL-04107			100	3.07.07		Е	
Pedestrian 35mm colour slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour									
Pedestrian 35mm colour slide film 100 3.07.07 E  Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour							0.50m		
Detailed of modern concrete abutting original brickwork of subway  Pedestrian 35mm colour	1,.				4.0.0	2.05.15		_	22 230 11 41
Pedestrian 35mm colour abutting original brickwork of subway	13	OL-04107	Subway	slide film	100	3.07.07		E	Detailed of modern concrete
Pedestrian 35mm colour									abutting original brickwork
			Pedestrian	35mm colour			0.50m		of subway
14   OL-04107   Subway   Side nim   100   3.07.07   E	14	OL-04107	Subway	slide film	100	3.07.07		Е	

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
								Detailed of modern concrete abutting original brickwork
		Pedestrian	35mm colour			0.50m		of subway
15	OL-04107	Subway	slide film	100	3.07.07		Е	G1 . 1
								Shot showing cement stairway next to subway arch
						-		and modern repairs to original brickwork
16	01.04107	Pedestrian	35mm colour	100	2.07.07		N.	
16	OL-04107	Subway	slide film	100	3.07.07		N	Shot showing cement
								stairway next to subway arch and modern repairs to
		D 1	25 1			-		original brickwork
17	OL-04107	Pedestrian Subway	35mm colour slide film	100	3.07.07		N	
								Shot showing cement stairway next to subway arch
						_		and modern repairs to
		Pedestrian	35mm colour					original brickwork
18	OL-04107	Subway	slide film	100	3.07.07		N	Shot showing cement
								stairway next to subway arch
						0.50m		and modern repairs to original brickwork
19	OL-04107	Pedestrian Subway	35mm colour slide film	100	3.07.07		N	
17	OL 04107	Subway	side iiiii	100	3.07.07		11	Shot showing cement
						0.50m		stairway next to subway arch and modern repairs to
		Pedestrian	35mm colour			0.30111		original brickwork
20	OL-04107	Subway	slide film	100	3.07.07		N	
								Shot showing cement stairway next to subway arch
						0.50m		and modern repairs to original brickwork
21	01.04107	Pedestrian	35mm colour	100	2.07.07		N.	
21	OL-04107	Subway	slide film	100	3.07.07		N	General photograph
		Pedestrian	35mm colour			-		showing brick arch and cement stairway
22	OL-04107	Subway	slide film	100	3.07.07		N	General photograph
		Pedestrian	35mm colour			-		showing brick arch and
23	OL-04107	Subway	slide film	100	3.07.07		N	cement stairway
		Pedestrian	35mm colour			_		General photograph showing brick arch and
24	OL-04107	Pedestrian Subway	slide film	100	3.07.07		N	cement stairway
								Detailed photograph showing brick bond on north
25	OL-04107	Pedestrian Subway	35mm colour slide film	100	3.07.07	-	NE	side of archway
								Detailed photograph showing brick bond on north
26	OL-04107	Pedestrian Subway	35mm colour slide film	100	3.07.07	-	NE	side of archway
20	OL-0410/	Juoway	SHUC HIIII	100	5.07.07		INE	Detailed photograph
		Pedestrian	35mm colour	465	2.05.55	-		showing brick bond on north side of archway
27	OL-04107	Subway	slide film	100	3.07.07		NE	Detailed photograph
								showing abutment between the north side of brick arch
						-		and modern later concrete
28	OL-04107	Pedestrian Subway	35mm colour slide film	100	3.07.07		NW	

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
		Pedestrian	35mm colour			-		Detailed photograph showing abutment between the north side of brick arch and modern later concrete
29	OL-04107	Subway	slide film	100	3.07.07		NW	
		Pedestrian	35mm colour			-		Detailed photograph showing abutment between the north side of brick arch and modern later concrete
30	OL-04107	Subway  Pedestrian	slide film  35mm colour	100	3.07.07	-	NW	Detailed photograph showing abutment between the north side of brick arch and modern later concrete photograph with different lighting
31	OL-04107	Subway	slide film	100	3.07.07		NW	
32	OL-04107	Pedestrian Subway	35mm colour	100	3.07.07	-	NW	Detailed photograph showing abutment between the north side of brick arch and modern later concrete photograph with different lighting
33	OL-04107	Pedestrian Subway	35mm colour	100	3.07.07	-	NW	Detailed photograph showing abutment between the north side of brick arch and modern later concrete photograph with different lighting
34	OL-04107	Pedestrian Subway	35mm colour	100	3.07.07	0.50m	NW	Detailed photograph showing abutment between the north side of brick arch and modern later concrete photograph with different lighting
	OL-04107	Pedestrian Subway	35mm colour	100	3.07.07	0.50m	NW	Detailed photograph showing abutment between the north side of brick arch and modern later concrete photograph with different lighting
35		Pedestrian Subway	35mm colour slide film	100	3.07.07	0.50m	NW NW	Detailed photograph showing abutment between the north side of brick arch and modern later concrete photograph with different lighting

#### 12.25 Photo register 25 Pedestrian Subway

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
			35mm black					Shot showing brick archway
		Pedestrian	and white			-		over subway
1	OL-04107	Subway	film	101	3.07.07		NE	
			35mm black					Shot showing brick archway over subway
		Pedestrian	and white			-		over subway
2	OL-04107	Subway	film	101	3.07.07		NE	Shot showing brick archway
		L	35mm black			_		over subway
3	OL-04107	Pedestrian Subway	and white film	101	3.07.07		NE	
	OE 01107	Suo muj		101	3.07.07		TUE	Shot showing brick archway,
			35mm black					cement stairway and
		Pedestrian	and white			-		overhead bridge
4	OL-04107	Subway	film	101	3.07.07		N	
								Shot showing brick archway, cement stairway and
			35mm black			-		overhead bridge
_	OI 04107	Pedestrian	and white		3.07.07		N	
5	OL-04107	Subway	film	101	3.07.07		N	Shot showing brick archway,
								cement stairway and
		Pedestrian	35mm black and white			-		overhead bridge
6	OL-04107	Subway	film	101	3.07.07		N	
								Shot showing brick archway,
			35mm black			0.50m		cement stairway and overhead bridge
		Pedestrian	and white					o vermenta errage
7	OL-04107	Subway	film	101	3.07.07		N	Shot showing brick archway,
								cement stairway and
		D 1 4 3	35mm black			0.50m		overhead bridge
8	OL-04107	Pedestrian Subway	and white film	101	3.07.07		N	
								Shot showing brick archway,
			35mm black			0.50m		cement stairway and overhead bridge
		Pedestrian	and white			0.50111		overnead bridge
9	OL-04107	Subway	film	101	3.07.07		N	D + 11 1 C 1
								Detailed of modern concrete abutting original brickwork
			35mm black			-		of subway
10	OL-04107	Pedestrian Subway	and white	101	3.07.07		Е	
10	OL 04107	Suoway		101	5.07.07		L	Detailed of modern concrete
			35mm black					abutting original brickwork
		Pedestrian	35mm black and white			-		of subway
11	OL-04107	Subway	film	101	3.07.07		Е	
								Detailed of modern concrete abutting original brickwork
			35mm black			-		of subway
12	OL-04107	Pedestrian Subway	and white	101	3.07.07		Б	
12	OL-0410/	Subway	111111	101	3.07.07		Е	Detailed of modern concrete
			25					abutting original brickwork
		Pedestrian	35mm black and white			0.50m	1	of subway
13	OL-04107	Subway	film	101	3.07.07		Е	
								Detailed of modern concrete
			35mm black			0.50m		abutting original brickwork of subway
<b>.</b>		Pedestrian	and white	:	2.05.05		_	
14	OL-04107	Subway	film	101	3.07.07	l	E	

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
		Pedestrian	35mm black and white			0.50m		Detailed of modern concrete abutting original brickwork of subway
15	OL-04107	Subway	film	101	3.07.07		Е	
		Pedestrian	35mm black and white			-		Shot showing cement stairway next to subway arch and modern repairs to original brickwork
16	OL-04107	Subway	film	101	3.07.07		N	Shot showing cement
17	01.04107	Pedestrian	35mm black and white	101	2.07.07	-	N.	Shot showing cement stairway next to subway arch and modern repairs to original brickwork
17	OL-04107	Subway	film	101	3.07.07		N	Shot showing cement
10	01.04107	Pedestrian	35mm black and white	101	2.07.07	-	N	stairway next to subway arch and modern repairs to original brickwork
18	OL-04107	Subway	film	101	3.07.07		N	Shot showing cement
		Pedestrian	35mm black and white			0.50m		stairway next to subway arch and modern repairs to original brickwork
19	OL-04107	Subway	film	101	3.07.07		N	
		Pedestrian	35mm black and white	101	20707	0.50m		Shot showing cement stairway next to subway arch and modern repairs to original brickwork
20	OL-04107	Subway	film	101	3.07.07		N	Shot showing cement
21	OL-04107	Pedestrian Subway	35mm black and white film	101	3.07.07	0.50m	N	Shot showing cement stairway next to subway arch and modern repairs to original brickwork
		Pedestrian	35mm black and white film			-		General photograph showing brick arch and cement stairway
22		Subway Pedestrian Subway	35mm black and white film	101	3.07.07	-	N N	General photograph showing brick arch and cement stairway
	OL-0410/	Suoway		101	3.07.07		1N	General photograph
24	OL-04107	Pedestrian Subway	35mm black and white film	101	3.07.07	-	N	showing brick arch and cement stairway
25		Pedestrian Subway	35mm black and white film	101	3.07.07	-	NE	Detailed photograph showing brick bond on north side of archway
26	OL-04107	Pedestrian Subway	35mm black and white film	101	3.07.07	-	NE	Detailed photograph showing brick bond on north side of archway
27		Pedestrian Subway	35mm black and white film	101	3.07.07	-	NE	Detailed photograph showing brick bond on north side of archway
28		Pedestrian Subway	35mm black and white film	101	3.07.07	-	NW	Detailed photograph showing abutment between the north side of brick arch and modern later concrete

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
		Pedestrian	35mm black and white			-		Detailed photograph showing abutment between the north side of brick arch and modern later concrete
29	OL-04107	Subway	film	101	3.07.07		NW	D : 11 1 1 1 1
30	OL-04107	Pedestrian Subway	35mm black and white film	101	3.07.07	-	NW	Detailed photograph showing abutment between the north side of brick arch and modern later concrete
31	OL-04107	Pedestrian Subway	35mm black and white	101	3.07.07	-	NW	Detailed photograph showing abutment between the north side of brick arch and modern later concrete photograph with different lighting
32	OL-04107	Pedestrian Subway	35mm black and white film	101	3.07.07	-	NW	Detailed photograph showing abutment between the north side of brick arch and modern later concrete photograph with different lighting
33	OL-04107	Pedestrian Subway	35mm black and white film	101	3.07.07	-	NW	Detailed photograph showing abutment between the north side of brick arch and modern later concrete photograph with different lighting
34	OL-04107	Pedestrian Subway	35mm black and white	101	3.07.07	0.50m	NW	Detailed photograph showing abutment between the north side of brick arch and modern later concrete photograph with different lighting
35	OL-04107	Pedestrian Subwav	35mm black and white film	101	3.07.07	0.50m	NW	Detailed photograph showing abutment between the north side of brick arch and modern later concrete photograph with different lighting
36		Pedestrian Subway	35mm black and white film	101	3.07.07	0.50m	NW	Detailed photograph showing abutment between the north side of brick arch and modern later concrete photograph with different lighting

#### 12.26 Photo register 26 Pedestrian Subway

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
								Detailed photograph
		Pedestrian	35mm colour			-		showing abutment of southern arch
1	OL-04107	Subway	slide film	102	3.07.07		SE	
								Detailed photograph
		Pedestrian	35mm colour			-		showing abutment of southern arch
2	OL-04107	Subway	slide film	102	3.07.07		SE	
								Detailed photograph
		Pedestrian	35mm colour			-		showing abutment of southern arch
3	OL-04107	Subway	slide film	102	3.07.07		SE	
								Detailed photograph
		Pedestrian	35mm colour			0.50m		showing abutment of southern arch
4	OL-04107	Subway	slide film	102	3.07.07		SE	
								Detailed photograph
		Pedestrian	35mm colour			0.50m		showing abutment of southern arch
5	OL-04107	Subway	slide film	102	3.07.07		SE	
								Detailed photograph
		Pedestrian	35mm colour			0.50m		showing abutment of southern arch
6	OL-04107	Subway	slide film	102	3.07.07		SE	
								Detailed photograph of
		Pedestrian	35mm colour			-		drilled holes on internal wall of subway
7	OL-04107	Subway	slide film	102	3.07.07		NW	•
								Detailed photograph of
		Pedestrian	35mm colour			-		drilled holes on internal wall
8	OL-04107	Subway	slide film	102	3.07.07		NW	of subway
								Detailed photograph of
		Pedestrian	35mm colour			-		drilled holes on internal wall
9	OL-04107	Subway	slide film	102	3.07.07		NW	of subway
								Detailed photograph of
		Pedestrian	35mm colour			0.50m		drilled holes on internal wall
10	OL-04107	Subway	slide film	102	3.07.07		NW	of subway
								Detailed photograph of
		Pedestrian	35mm colour			0.50m		drilled holes on internal wall
11	OL-04107	Subway	slide film	102	3.07.07		NW	of subway
								Detailed photograph of
		Pedestrian	35mm colour			0.50m		drilled holes on internal wall
12	OL-04107	Subway	slide film	102	3.07.07		NW	of subway
								Shot showing attempted
		Pedestrian	35mm colour			-		keying-in two section of
13	OL-04107	Subway	slide film	102	3.07.07		NW	overhead bridge
								Shot showing attempted
1		Pedestrian	35mm colour			-		keying-in two section of
14	OL-04107	Subway	slide film	102	3.07.07		NW	overhead bridge
		•						Shot showing attempted
1		Pedestrian	35mm colour			-		keying-in two section of
15	OL-04107	Subway	slide film	102	3.07.07		NW	overhead bridge
		•						Shot showing attempted
1		Pedestrian	35mm colour			0.50m		keying-in two section of
16	OL-04107	Subway	slide film	102	3.07.07		NW	overhead bridge
		,						Shot showing attempted
		Pedestrian	35mm colour			0.50m		keying-in two section of
17	OL-04107	Subway	slide film	102	3.07.07		NW	overhead bridge
		ĺ						Shot showing attempted
1		Pedestrian	35mm colour			0.50m		keying-in two section of
18	OL-04107	Subway	slide film	102	3.07.07		NW	overhead bridge
					,	1		1

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
10	OI 04107	Pedestrian	35mm colour			0.50m		Shot showing attempted keying-in two section of overhead bridge
20	OL-04107 OL-04107	Subway Pedestrian Subway	35mm colour slide film	102	3.07.07	0.50m	SE SE	Shot showing attempted keying-in two section of overhead bridge
21	OL-04107	Pedestrian Subway	35mm colour slide film	102	3.07.07	0.50m	SE	Shot showing attempted keying-in two section of overhead bridge
22	OL-04107	Pedestrian Subway	35mm colour slide film	102	3.07.07	-	SE	Shot showing attempted keying-in two section of overhead bridge
23	OL-04107	Pedestrian Subway	35mm colour slide film	102	3.07.07	-	SE	Shot showing attempted keying-in two section of overhead bridge
24	OL-04107	Pedestrian Subway	35mm colour slide film	102	3.07.07	-	SE	Shot showing attempted keying-in two section of overhead bridge
25	OL-04107	Pedestrian Subway	35mm colour slide film	102	3.07.07	-	SW	Shot showing archway within subway and drip moulding
26	OL-04107	Pedestrian Subway	35mm colour slide film	102	3.07.07	-	SW	Shot showing archway within subway and drip moulding
27	OL-04107	Pedestrian Subway	35mm colour slide film	102	3.07.07	-	SW	Shot showing archway within subway and drip moulding
28	OL-04107	Pedestrian Subway	35mm colour slide film	102	3.07.07	-	NW	Detailed photograph of drilled holes on internal wall of subway
29	OL-04107	Pedestrian Subway	35mm colour slide film	102	3.07.07	-	NW	Detailed photograph of drilled holes on internal wall of subway
30	OL-04107	Pedestrian Subway	35mm colour slide film	102	3.07.07	-	NW	Detailed photograph of drilled holes on internal wall of subway
31	OL-04107	Pedestrian Subway	35mm colour slide film	102	3.07.07	0.50m	NW	Detailed photograph of drilled holes on internal wall of subway
32	OL-04107	Pedestrian Subway	35mm colour slide film	102	3.07.07	0.50m	NW	Detailed photograph of drilled holes on internal wall of subway
33	OL-04107	Pedestrian Subway	35mm colour slide film	102	3.07.07	0.50m	NW	Detailed photograph of drilled holes on internal wall of subway
34	OL-04107	Pedestrian Subway	35mm colour slide film	102	3.07.07	-	SE	Detailed photograph modern steel coffered roof
35	OL-04107	Pedestrian Subway	35mm colour slide film	102	3.07.07	-	SE	Detailed photograph modern steel coffered roof
36	OL-04107	Pedestrian Subway	35mm colour slide film	102	3.07.07	-	SE	Detailed photograph modern steel coffered roof

## 12.27 Photo register 27 Pedestrian Subway

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
								General photograph NE
1	OL-04107	Pedestrian Subway	35mm colour slide film	104	3.07.07	-	SW	access way into subway showing RSJ lintel
	02 01107	oue may	onde inni	101	5107107		5,1	General photograph NE
		Pedestrian	35mm colour			-		access way into subway showing RSJ lintel
2	OL-04107	Subway	slide film	104	3.07.07		SW	9
								General photograph NE access way into subway
		Pedestrian	35mm colour			-		showing RSJ lintel
3	OL-04107	Subway	slide film	104	3.07.07		SW	General photograph NE
		D- 44-:	25			0.50m		access way into subway
4	OL-04107	Pedestrian Subway	35mm colour slide film	104	3.07.07		SW	showing RSJ lintel
		,						General photograph NE
		Pedestrian	35mm colour			0.50m		access way into subway showing RSJ lintel
5	OL-04107	Subway	slide film	104	3.07.07		SW	0
								General photograph NE access way into subway
		Pedestrian	35mm colour			0.50m		showing RSJ lintel
6	OL-04107	Subway	slide film	104	3.07.07		SW	Shot showing brick support
								buttress and curve of wall
		D 1 4 3	25 1			-		just SE of RSJ lintel
7	OL-04107	Pedestrian Subway	35mm colour slide film	104	3.07.07		SE	
							~-	Shot showing brick support
								buttress and curve of wall
		Pedestrian	35mm colour			-		just SE of RSJ lintel
8	OL-04107	Subway	slide film	104	3.07.07		SE	
								Shot showing brick support buttress and curve of wall
						-		just SE of RSJ lintel
9	OL-04107	Pedestrian Subway	35mm colour slide film	104	3.07.07		SE	
-	OL-04107	Subway	siide iiiiii	104	3.07.07		SE	Detailed photograph of
		Pedestrian	35mm colour			-		metal hook attached to wall
10	OL-04107	Subway	slide film	104	3.07.07		SE	east of access way
								Detailed photograph of
		Pedestrian	35mm colour			-		metal hook attached to wall east of access way
11	OL-04107	Subway	slide film	104	3.07.07		SE	,
								Detailed photograph of metal hook attached to wall
12		Pedestrian	35mm colour		2.07.07	-	CE	east of access way
12	OL-04107	Subway	slide film	104	3.07.07		SE	Detailed photograph of
1		Pedestrian	35mm colour			_		metal hook attached to wall
13	OL-04107	Subway	slide film	104	3.07.07		SE	east of access way
								Detailed photograph of
1		Pedestrian	35mm colour			-		metal hook attached to wall east of access way
14	OL-04107	Subway	slide film	104	3.07.07		SE	,
								Detailed photograph of metal hook attached to wall
	01.04405	Pedestrian	35mm colour	104	2.05.05	-	65	east of access way
15	OL-04107	Subway	slide film	104	3.07.07		SE	Shot showing overhead
		D- 44 :	25 1			_		plates and rivets of subway
16	OL-04107	Pedestrian Subway	35mm colour slide film	104	3.07.07		NW	ceiling
10	02 31107			201	2.07.07		2111	Shot showing overhead
		Pedestrian	35mm colour			-		plates and rivets of subway
17	OL-04107	Subway	slide film	104	3.07.07		NW	ceiling

ID	SITE CODE	SITE NAME	FILM TYPE	FILM NO	DATE	SCALE	DIRECTION	COMMENTS
								Shot showing overhead plates and rivets of subway
		Pedestrian	35mm colour			-		ceiling
18	OL-04107	Subway	slide film	104	3.07.07		NW	General photograph of
		L.				_		RSJ access way and
19	OL-04107	Pedestrian Subway	35mm colour slide film	104	3.07.07	_	S	surrounding area
17	OL-04107	Subway	siide iiiiii	104	3.07.07		5	General photograph of
		Pedestrian	35mm colour			-		RSJ access way and
20	OL-04107	Subway	slide film	104	3.07.07		S	surrounding area
								General photograph of
		Pedestrian	35mm colour			-		RSJ access way and surrounding area
21	OL-04107	Subway	slide film	104	3.07.07		S	S
								Shot showing of pathway leading to RSJ access point
22	01 04107	Pedestrian	35mm colour	104	2.07.07	-	GE.	reading to itos access point
22	OL-04107	Subway	slide film	104	3.07.07		SE	Shot showing of pathway
		D - 1	25			_		leading to RSJ access point
23	OL-04107	Pedestrian Subway	35mm colour slide film	104	3.07.07		SE	
	0=01107	a die may						Shot showing of pathway
		Pedestrian	35mm colour			-		leading to RSJ access point
24	OL-04107	Subway	slide film	104	3.07.07		SE	
								Shot showing of pathway
		Pedestrian	35mm colour			-		leading to brick arched access way
25	OL-04107	Subway	slide film	104	3.07.07		S-SW	•
								Shot showing of pathway leading to brick arched
26	OF 04107	Pedestrian	35mm colour	104	2 07 07	-	G GW	access way
26	OL-04107	Subway	slide film	104	3.07.07		S-SW	Shot showing of pathway
						_		leading to brick arched
27	OL-04107	Pedestrian Subway	35mm colour slide film	104	3.07.07		S-SW	access way
	02 01107	Suo muj		101	2107107		2 2	Shot showing of pathway
		Pedestrian	35mm colour			-		leading to brick arched
28	OL-04107	Subway	slide film	104	3.07.07		N	access way
								Shot showing of pathway
		Pedestrian	35mm colour			-		leading to brick arched access way
29	OL-04107	Subway	slide film	104	3.07.07		N	3
								Shot showing of pathway leading to brick arched
20	01 04107	Pedestrian	35mm colour		2 07 07	-		access way
30	OL-04107	Subway	slide film	104	3.07.07		N	Working photograph
		L				_		showing path leading to
31	OL-04107	Pedestrian Subway	35mm colour slide film	104	3.07.07		N	brick arched access way
31	OL 04107	Subway	Silde IIIII	104	3.07.07		11	Working photograph
		Pedestrian	35mm colour			_		showing path leading to
32	OL-04107	Subway	slide film	104	3.07.07		N	brick arched access way
		_						Working photograph
		Pedestrian	35mm colour			-		showing path leading to brick arched access way
33	OL-04107	Subway	slide film	104	3.07.07		N	J
								Working photograph at bricked arched access way
	01.04::=	Pedestrian	35mm colour		2 0= 0=	-		orience arenea access way
34	OL-04107	Subway	slide film	104	3.07.07		N	Working photograph at
								bricked arched access way
35	OL-04107	Pedestrian Subway	35mm colour slide film	104	3.07.07	_	N	
33	OL-0410/	Suoway	SHUC HIIII	104	3.07.07		IN	Working photograph at
		Padastrian	25mm1			-		bricked arched access way
36	OL-04107	Pedestrian Subway	35mm colour slide film	104	3.07.07		N	
		1	1			1	1	ı I

## 12.28 Photo register 28 Abbey Lane Pedestrian Bridge

ID	SITE CODE	SITE NAME	FILM TYPE	DATE	DIRECTION	IDENTIFIER	COMMENTS
							Western approach to the pedestrian bridge in Abbey
		Abbey Lane	-				Lane Dridge in Abbey
1	OL-04507	Pedestrian Bridge		October 2007	Е	38807001	Pumping Station wall on the
							western side of the pedestrian
		Abbey Lane	-				bridge in Abbey Lane
2	OL-04507	Pedestrian Bridge		October 2007	E	38807002	
							Western approach to the pedestrian bridge in Abbey
		Abbey Lane	-				Lane
3	OL-04507	Pedestrian Bridge		October 2007	Е	38807003	Entrance gates to Abbey Mills
		Abbey Lane	-				Pumping Station and gate
4	OL-04507	Pedestrian Bridge		October 2007	S	38807004	house
							Detail of the north-west abutment of the pedestrian
			-				bridge in Abbey Lane, looking
_	01 04507	Abbey Lane		0-4-1 2007	N	2007005	north
5	OL-04507	Pedestrian Bridge		October 2007	N	38807005	Underside of the pedestrian
		Abbey Lane	-				bridge in Abbey Lane
6	OL-04507	Pedestrian Bridge		October 2007	Е	38807006	
							Detail of the underside of the pedestrian bridge in Abbey
			-				Lane at its western end
_	01.04507	Abbey Lane		0 1 2007	GE.	20007007	
7	OL-04507	Pedestrian Bridge		October 2007	SE	38807007	Detail of the centre of the
							underside of the pedestrian
		Abbey Lane	-				bridge in Abbey Lane
8	OL-04507	Pedestrian Bridge		October 2007	SE	38807008	
							Detail of one of the bolted steel plate sewerage pipes on
			_				the underside of the pedestrian
		Abbey Lane					bridge in Abbey Lane
9	OL-04507	Pedestrian Bridge		October 2007	NE	38807009	
							Underside of the pedestrian
		Abbey Lane	-				bridge in Abbey Lane
10	OL-04507	Pedestrian Bridge		October 2007	SW	38807010	E
			_				Eastern approach to the pedestrian bridge in Abbey
11	OL-04507	Abbey Lane Pedestrian Bridge		October 2007	SW	38807011	Lane
							Access steps leading to the
		Abbey Lane	-				Greenway footpath along the Northern Outfall
12	OL-04507	Pedestrian Bridge		October 2007	NW	38807012	
		_					Eastern approach to the pedestrian bridge in Abbey
13	OL-04507	Abbey Lane Pedestrian Bridge	_	October 2007	SW	38807013	Lane
15	22 0 .507	stoman Bridge		2 223 21 2007	211	2003/013	Abbey Mills Pumping Station
		Abbey Lane	-				from Abbey Lane
14	OL-04507	Pedestrian Bridge		October 2007	SW	38807014	The Creenway fortunate of
							The Greenway footpath along the Northern Outfall Sewer
15	OL-04507	Abbey Lane Pedestrian Bridge	_	October 2007	SE	38807015	
13	OF 04201	r cucsaran Bridge		JC100C1 Z00/	OL	50007013	The Greenway footpath along
		Abbey Lane	-				the Northern Outfall Sewer
16	OL-04507	Pedestrian Bridge		October 2007	NW	38807016	

## 12.29 Photo register 29 Pedestrian Bridge spanning the Channelsea River

ID	SITE CODE	SITE NAME	FILM TYPE	DATE	DIRECTION	COMMENTS
		Pedestrian Bridge				
1	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07	N/E	General view of bridge
1	OL-04007	Pedestrian Bridge		12-1101-07	IV/L	bridge
		spanning the				General view of
2	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07	N/E	bridge Context
		Pedestrian Bridge spanning the				photograph of bridge
3	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07	N-N/E	in surroundings
		Pedestrian Bridge				Context photograph of bridge
4	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07	N-N/E	in surroundings
		Pedestrian Bridge				Context photograph of bridge
5	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07	N-N/E	in surroundings
3	OL-04007		2	12-1101-07	IN-IN/ID	
		spanning the				Shot of pipes under
6	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07	W	bridge
		Pedestrian Bridge spanning the				Shot of pipes under
7	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07	W	bridge
		Pedestrian Bridge				
8	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07	W	Shot of pipes under bridge
		Pedestrian Bridge				
9	OI 04607	spanning the		12 N 07	117	Ch - 4 - 6 11 4 - :
9	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07	W	Shot of wall and pipes
		Pedestrian Bridge spanning the				Third pipe from south
10	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07	W-S/W	with detail of bolts
		Pedestrian Bridge spanning the				Detail between rows
11	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07	W	of pipes
		Pedestrian Bridge				
12	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07	S	Pier in centre, profile
		Pedestrian Bridge				
13	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07	N	from underside of bridge to banking
13	OL-04007	Pedestrian Bridge		12-1101-07	IN	bridge to banking
		spanning the				from underside of
14	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07	N	bridge to banking
		Pedestrian Bridge spanning the				From bank to central
15	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07	S	pier showing ironwork
		Pedestrian Bridge				
16	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07	S	Shot of western pier of bridge
		Pedestrian Bridge				
17	01.04607	spanning the		12 Nov. 07	C/W/	Shot of western pier of
17	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07	S/W	bridge
		Pedestrian Bridge				Shot of elevation of
10	OI 04607	spanning the		10 N 07	G	elevation of bridge
18	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07	S	showing iron work

	SITE					
ID	CODE	SITE NAME	FILM TYPE	DATE	DIRECTION	COMMENTS
		Pedestrian Bridge spanning the				
19	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07	S	
		Pedestrian Bridge				
20	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07	S	
		Pedestrian Bridge				
21	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07	S	
		Pedestrian Bridge				
22	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07	S	
		Pedestrian Bridge				
23	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07	N/W	
23	OL-04007	Pedestrian Bridge		12-1101-07	14/ 44	
2.4	01.04607	spanning the		12 N 07	NI/NI	
24	OL-04607	Channelsea River Pedestrian Bridge	Digital Canon 400 D	12-Nov-07	N/W	
		spanning the				
25	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07	W-N/W	
		Pedestrian Bridge spanning the				
26	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07	S-S/W	
		Pedestrian Bridge spanning the				
27	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07	N	
		Pedestrian Bridge spanning the				
28	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07	N	
		Pedestrian Bridge spanning the				
29	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07	W	
		Pedestrian Bridge				
30	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07	S/W	
		Pedestrian Bridge				
31	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07	N	
		Pedestrian Bridge				
32	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07	N/W	
		Pedestrian Bridge	J			
33	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07	N	
	2_0.007	Pedestrian Bridge		22 1.0. 07		
34	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov 07	N	
54	OL-0400/	Pedestrian Bridge		12-Nov-07	N	
25	01.04607	spanning the		12.31 07		
35	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge spanning the				
36	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge spanning the				
37	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge spanning the				
38	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		

	SITE					
ID	CODE	SITE NAME	FILM TYPE	DATE	DIRECTION	COMMENTS
		Pedestrian Bridge spanning the				
39	OL-04607		Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge				
40	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge				
41	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge				
42	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge				
43	OL-04607	spanning the		12-Nov-07		
7.5	OL-04007	Pedestrian Bridge		12-1101-07		
	01.04607	spanning the Channelsea River		12 N 07		
44	OL-04607	Pedestrian Bridge	Digital Canon 400 D	12-Nov-07		
l		spanning the				
45	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge spanning the				
46	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge spanning the				
47	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge spanning the				
48	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge spanning the				
49	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge spanning the				
50	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge				
51	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge				
52	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge				
53	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge				
54	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge				
55	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge				
56	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge				
57	OL-04607	spanning the Channelsea River		12-Nov-07		
51	JL 0400/	Pedestrian Bridge		12-1107-07		
50	OI 04607	spanning the		12 Nov. 07		
58	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07	]	

	SITE	CALLED MANAGE		D. A. TOP	DIDECTION	COMPUTATION
ID	CODE	SITE NAME	FILM TYPE	DATE	DIRECTION	COMMENTS
		Pedestrian Bridge spanning the				
59	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge spanning the				
60	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge				
61	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge				
<i>(</i> 2	01.04607	spanning the		12 N 07		
62	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge spanning the				
63	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge spanning the				
64	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge				
65	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge				
66	OL-04607	spanning the Channelsea River		12 Nov. 07		
00	OL-04607		Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge spanning the				
67	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge spanning the				
68	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge				
69	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge				
70	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge		222707		
71	OI 04607	spanning the		12 N 07		
71	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge spanning the				
72	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge spanning the				
73	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge				
74	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge				
75	OL-04607	spanning the Channelsea River	Digital Canon 400 D	12-Nov-07		
	2.55,	Pedestrian Bridge		2.2.0,		
76	OI 04607	spanning the		10 N 07		
76	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge spanning the				
77	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge spanning the				
78	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		

	SITE					
ID	CODE	SITE NAME	FILM TYPE	DATE	DIRECTION	COMMENTS
		Pedestrian Bridge spanning the				
79	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
		Pedestrian Bridge spanning the				
80	OL-04607	Channelsea River	Digital Canon 400 D	12-Nov-07		
81	OL-04607	Pedestrian Bridge spanning the Channelsea River		12-Nov-07		
82	OL-04607	Pedestrian Bridge spanning the		12-Nov-07		
83	OL-04607	Pedestrian Bridge spanning the Channelsea River		12-Nov-07		
84	OL-04607	Pedestrian Bridge spanning the Channelsea River		12-Nov-07		

#### 12.30 Photo register 30 Pedestrian Viaduct of Outfall Sewer

ID	SITE CODE	SITE NAME	FILM TYPE	DATE	DIRECTION	IDENTIFIER	COMMENTS
		Pedestrian	-				Access path and stairs to the Greenway footpath from Manor Road
1	OL-04707	Viaduct of Outfall sewer		November 2007	NE	43107001	
		Pedestrian		2007	IVE	43107001	Detail of the underside of
		Viaduct of Outfall	-	November			the pedestrian viaduct
2	OL-04707	sewer		2007	N	43107002	Detail of the bolted steel
3		Pedestrian Viaduct of Outfall	-	November	N	42107002	plate sewerage pipes on the underside of the pedestrian viaduct,
3	OL-04707	sewer		2007	N	43107003	Underside of the pedestrian
4	OL-04707	Pedestrian Viaduct of Outfall sewer	-	November 2007	E	43107004	viaduct
		Pedestrian					Underside of the pedestrian
5	OL-04707	Viaduct of Outfall sewer	-	November 2007	NW	43107005	viaduct
	OL 04707	Pedestrian		2007	1111	43107003	The north-east brick
6	OL-04707	Viaduct of Outfall sewer	-	November 2007	S	43107006	abutment of the pedestrian viaduct
		Pedestrian	-				The north facing external façade of the arches under the Northern Outfall, west of Manor Road
7	OL-04707	Viaduct of Outfall sewer		November 2007	SW	43107007	
	OL-04707	Pedestrian Viaduct of Outfall sewer	-	November 2007	S	43107008	The Northern Outfall with a car park in the foreground
		Pedestrian Viaduct of Outfall	-	November			The earthen embankment of the Northern Outfall to the east of manor Road
9	OL-04707	sewer		2007	Е	43107009	
10	OL-04707	Pedestrian Viaduct of Outfall sewer	-	November 2007	S	43107010	Northern side of the pedestrian viaduct with a vehicle height limiter in the foreground
		Pedestrian Viaduct of Outfall	-	November		424.07.044	Southern side of the pedestrian viaduct and the railway line
11	OL-04707	sewer		2007	N	43107011	Northern side of the
12	OL-04707	Pedestrian Viaduct of Outfall sewer	-	November 2007	S	43107012	pedestrian viaduct and Manor Road
13	OL-04707	Pedestrian Viaduct of Outfall sewer	-	November 2007	S	43107013	Northern side of the pedestrian viaduct and Manor Road
13	OL-04/0/			200/	3	4310/013	Southern side of the
14	OL-04707	Pedestrian Viaduct of Outfall sewer	-	November 2007	N	43107014	pedestrian viaduct and the railway line
15	OI 04707	Pedestrian Viaduct of Outfall	-	November	CM	42107015	The Greenway footpath along the Northern Outfall
	OL-04707 OL-04707	sewer Pedestrian Viaduct of Outfall sewer	-	November 2007	SW	43107015 43107016	The Greenway footpath along the Northern Outfall
10			l .	_~~,	1 **	.510,010	1

ID	SITE CODE	SITE NAME	FILM TYPE	DATE	DIRECTION	IDENTIFIER	COMMENTS
		Pedestrian					Graffiti on the north parapet wall of the Northern Outfall
		Viaduct of Outfall	-	November			wan of the Northern Outlan
17	OL-04707	sewer		2007	NW	43107017	
		D 1 ( )					Graffiti on the south parapet
		Pedestrian Viaduct of Outfall	-	November			wall of the Northern Outfall
18	OL-04707	sewer		2007	SE	43107018	
10	OL 04707	3C W CI		2007	SL.	43107010	The Greenway footpath
		Pedestrian					The Greenway reespace
		Viaduct of Outfall	-	November			
19	OL-04707	sewer		2007	W	43107019	
		Pedestrian					The Greenway footpath
		Viaduct of Outfall	-	November			
20	OL-04707	sewer		2007	Е	43107020	
	02 01,07	561161		2007		15107020	The view of canary Wharf
		Pedestrian					from the Greenway footpath
		Viaduct of Outfall	_	November			
21	OL-04707	sewer		2007	S	43107021	[

# 13 Appendix 5: Plates

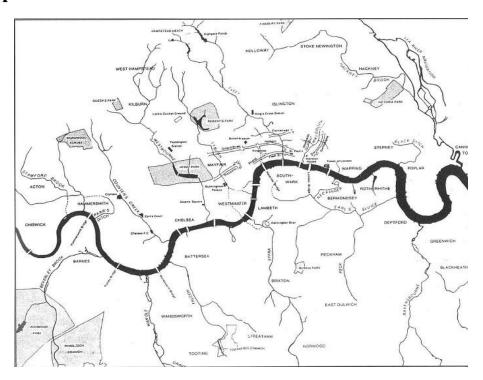


Plate 1 London's hidden rivers



Plate 2 George Cruickshank's view of the horror surrounding the intake of Southwark waterworks, about 1830

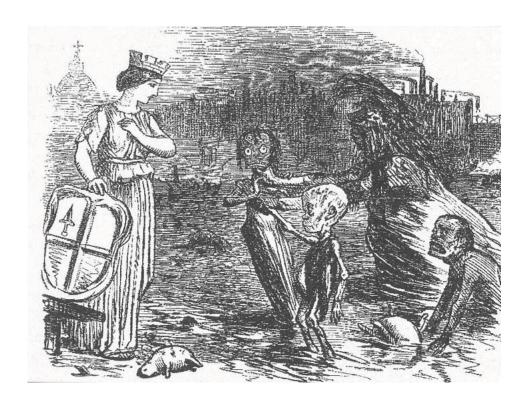


Plate 3 'Father Thames introducing his offspring to the city of London', Punch's view of the condition of the Thames in July 1858, as the Great stink reached its Climax.

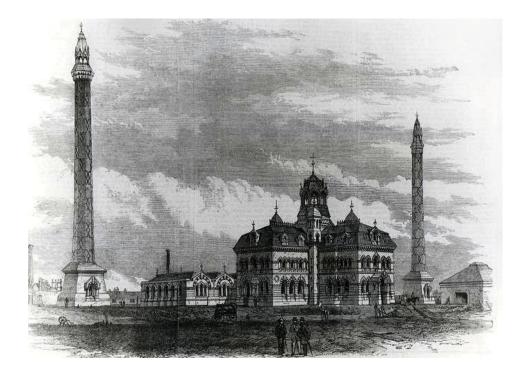


Plate 4 Extract from Illustrated London News concerning the construction of Abbey Mills Pumping Station, 1868

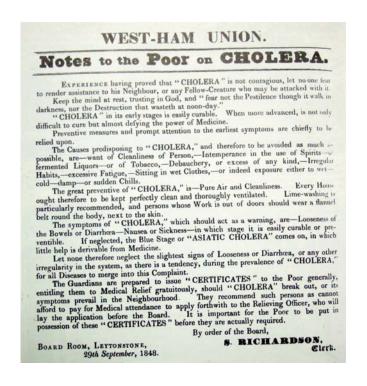


Plate 5 Notes to the poor on Cholera issued by the West Ham Guardians



Plate 6 'A Drop of London Water' as depicted by Punch in 1850

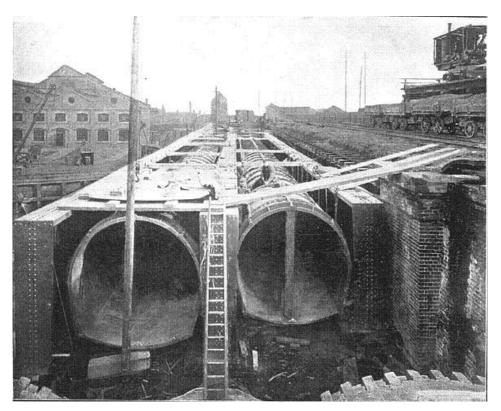


Plate 7 View of Northern Outfall Sewer crossing Abbey Creek and Channelsea River during the construction of the north expansion, 1902-06



Plate 8 View of the Greenway, looking north-west, 1982



Plate 9 View of Northern Outfall Sewer Bridge over Marshgate Lane, looking north-west 1900



Plate 10 View of Northern Outfall Sewer Bridge over Marshgate Lane, looking north-west, 1977



Plate 11 View of Pedestrian Subways north elevation, looking south, 1930



Plate 12 View of Pedestrian Subways south elevation, looking north, 1930

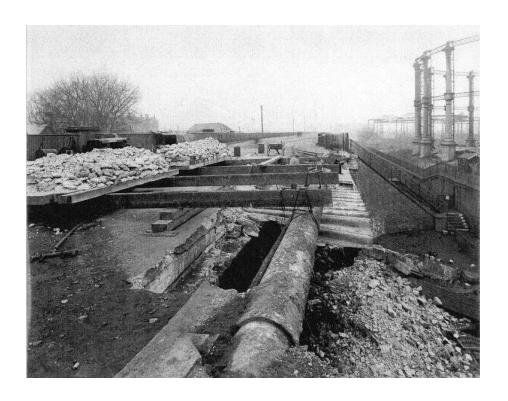


Plate 13 View of bomb damage affecting Abbey Lane Pedestrian Bridge, looking west, 1940



Plate 14 View of bomb damage affecting Abbey Lane Pedestrian Bridge, looking west, 1940



Plate 15 View of bomb damage affecting Abbey Lane Pedestrian Bridge, looking west, 1940

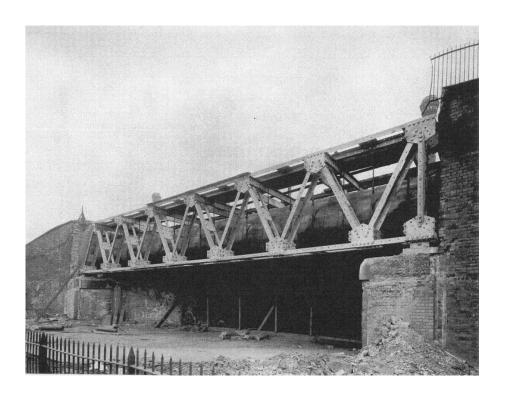


Plate 16 View of Abbey Lane Pedestrian Bridge reconstruction, 1941



Plate 17 Engraving of the Pedestrian Bridge Spanning the Channelsea from the Illustrated London News, May 1864



Plate 18 View of the Northern Outfall Sewer with Abbey Mills Pumping Station in the Background, looking north-east, c.1900



Plate 19 View of Pedestrian Viaduct crossing Manor Road, looking north, c.1900-01



Plate 20 View of Pedestrian Viaduct, looking south, 1951

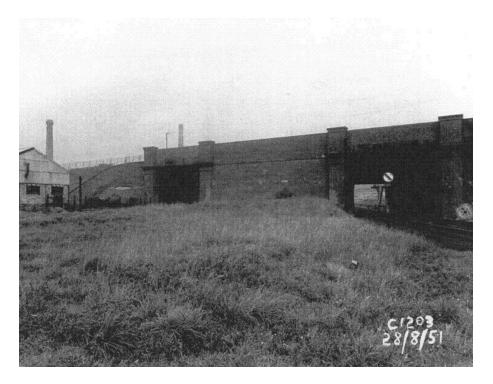


Plate 21 View of Pedestrian Viaduct, looking north-west, 1951



Plate 22 View of Greenway crossing River Lea looking east



Plate 23 View of metal drain cover



Plate 24 View of metal drain cover



Plate 25 View of metal drain cover



Plate 26 View of modern handrail joint



Plate 27 View of Greenway access point 1 looking west



Plate 28 View of access point 2 stairway looking south



Plate 29 View of access point 2, cycle ramp looking west



Plate 30 View of Greenway signpost at base access point 2 ramp looking north-east



Plate 31 View of entrance of access point 3 beside GNER Bridge looking north-east



Plate 32 View of access point 3 cycle ramp looking west



Plate 33 View of access point 3 stairway on south embankment looking north



Plate 34 View of metal kissing gate at top of access point 3 looking north



Plate 35 View of access point 4 stairway on south embankment looking south



Plate 36 View of access point 4 ramp and Waterworks River towpath on south embankment looking north



Plate 37 View of access point 4 entrance on north embankment looking north

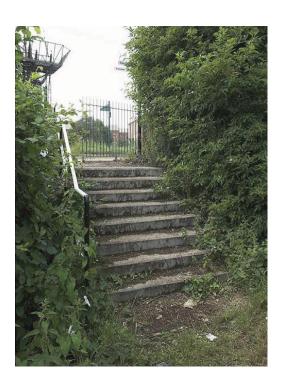


Plate 38 View of access point stairway on north embankment



Plate 39 View of original centrifugal pump from Abbey Mills Pumping Station on Greenway looking south



Plate 40 View of modern gate inserted into original railings looking south



Plate 41 View of damage brick built platform on south embankment of Greenway looking north



Plate 42 View of metal pipe running through brick structure on south embankment looking south



Plate 43 View of entrance to access point 5 on north embankment from Greenway looking north



Plate 44 View of access point 5 stairway on north embankment looking north



Plate 45 View of access point 5 stairway from base of north embankment looking south



Plate 46 View of access point 6 stairway on south embankment looking north



Plate 47 View of access point 6 stairway with Greenway sign from base of south embankment looking south



Plate 48 View of access point 6 cycle ramp from base of south embankment looking east



Plate 49 View of access point 7 stairway on south embankment looking south



Plate 50 View of access point 7 stairway on south embankment looking north-west



Plate 51 View of original centrifugal pump from Abbey Mills Pumping Station on Greenway looking south



Plate 52 View of original centrifugal pump from Abbey Mills Pumping Station on Greenway looking north



Plate 53 View of original centrifugal pump from Abbey Mills Pumping Station on Greenway looking west



Plate 54 View of access point 8 stairway on north embankment looking north



Plate 55 View of access point 8 stairway on north-west



Plate 56 View of access point 8 with Greenway sign taken from Abbey Road with Channelsea Bridge in background



Plate 57 View of Canning Road crossing the Greenway looking east



Plate 58 View of lockable gate entrance to Greenway on east side of Canning Road



Plate 59 View of access point 9 on south embankment looking south-east



Plate 60 View of access point 9 cycle ramp south embankment looking south-west



Plate 61 View of access point 9s hand rail and revetment at base of south embankment



Plate 62 View of entrance to access point 9 with kissing gate leading to Manor Road



Plate 63 View of Greenway Bridge over River Lea looking north-east

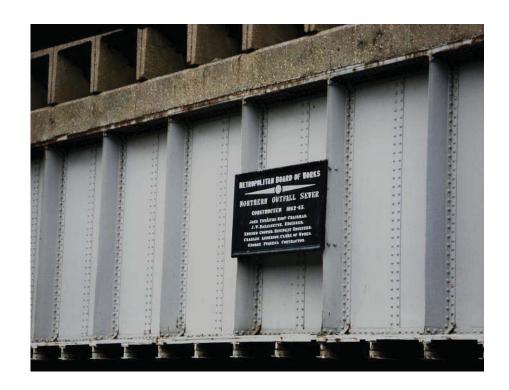


Plate 64 View of metal plaque on south elevation of Greenway Bridge over the River Lea looking north

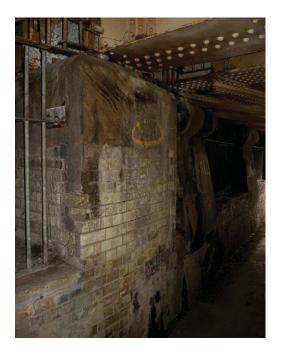


Plate 65 View of brick built abutment under the Greenway Bridge over the River Lea looking south-east



Plate 66 View of Bramley Fall Stone abutment under the Greenway Bridge over the River Lea looking south-east



Plate 67 View of original 1860s abutments and later 1900s abutment under Greenway Bridge over the River Lea looking west



Plate 68 Detailed view of metal girder with date stamp on under Greenway Bridge over the River Lea



Plate 69 View of WW2 Pill box and tank trap on west side of Greenway Bridge over the River Lea looking east



Plate 70 View of Greenway Bridge over Marshgate Lane and Pudding Mill Lane looking north-east

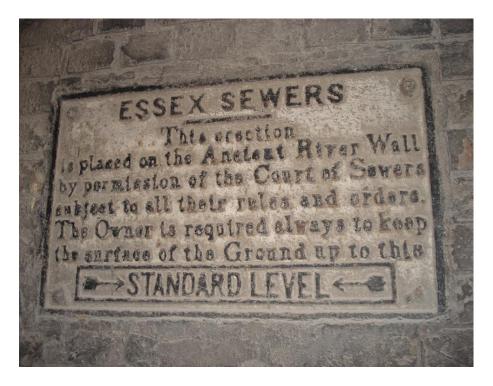


Plate 71 Detailed view of metal plaque attached to brick abutment under Marshgate Lane and Pudding Mill Lane Bridge



Plate 72 View of brick abutment on east side of Marshgate Lane and Pudding Mill Lane Bridge looking north-east



Plate 73 View of Pedestrian Subway's north elevation looking south-west



Plate 74 View of Pedestrian Subway's south elevation looking north east



Plate 75 Detailed view of Bramley Fall Stone block supporting wrought iron RSJ and single course of soldier bond brick work on east side of Pedestrian Subway



Plate 76 View of Pedestrian Subway's north elevation looking south-east

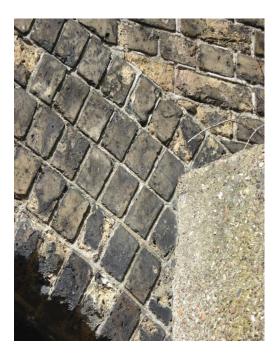


Plate 77 Detailed view showing east side of rowlock bond brick archway of Pedestrian Subway's south elevation



Plate 78 General view of south entrance to Pedestrian Subway looking north-west



Plate 79 Detailed view of stair access to City Mill River on south side of Pedestrian Subway looking west



Plate 80 Detailed view of Larssen type sheet pilling



Plate 81 View of junction between 1860s brick archway in southern half and 1900s metal Larssen pilling in northern half



Plate 82 Detailed view of Drain at south end of Pedestrian Subway



Plate 83 View of drilled holes on north-west side of Pedestrian Subway looking west



Plate 84 View of drilled holes on south-west side of Pedestrian Subway looking west



Plate 85 View of property wall surrounding Abbey Mills Pumping Station with Abbey Lane pedestrian bridge in background



Plate 86 View of brick abutment at west end of Abbey Lane Pedestrian Bridge looking north-west



Plate 87 Detailed view showing underside of Abbey Lane Pedestrian Bridge



Plate 88 View showing underpass of Abbey Lane Pedestrian Bridge looking east



Plate 89 Detailed view of riveted metal sections on underside of Abbey Lane Pedestrian Bridge



Plate 90 View showing east end of Abbey Lane Pedestrian Bridge looking south-east



Plate 91 View of Pedestrian Bridge spanning the Channelsea River looking north-west

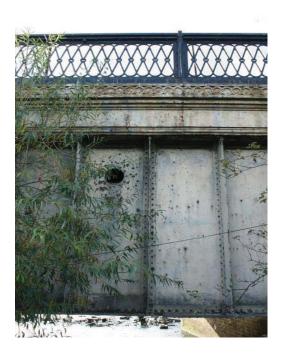


Plate 92 Detailed view of riveted metal plates of substructure of Pedestrian Bridge spanning the Channelsea River



Plate 93 Detailed view of riveted metal sections on underside of Pedestrian Bridge spanning the Channelsea River

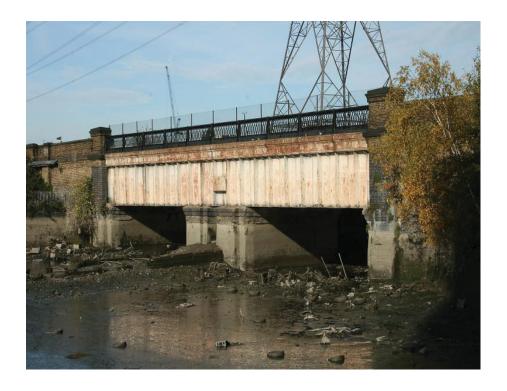


Plate 94 View of Pedestrian Bridge spanning the Channelsea River looking north



Plate 95 View of brick abutment at north-west end of Pedestrian Bridge spanning the Channelsea River looking south



Plate 96 Detailed view of metal railing along Pedestrian Bridge spanning the Channelsea River

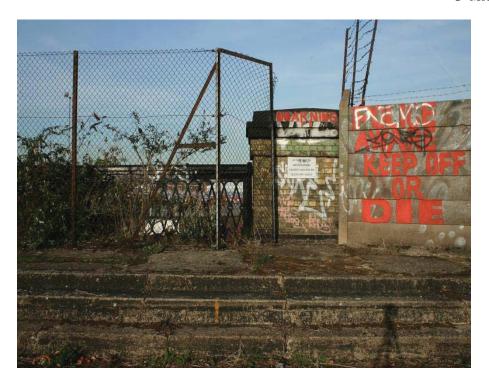


Plate 97 View of north-east end of Pedestrian Bridge spanning the Channelsea River looking north



Plate 98 View of south-west end of Pedestrian Bridge spanning the Channelsea River looking south-east



Plate 99 View of south-east end of Pedestrian Bridge spanning the Channelsea River looking south west



Plate 100 View of access point 8 at south-west end of Pedestrian Bridge spanning the Channelsea River looking north-east



Plate 101 View of Pedestrian Viaduct of Outfall Sewer looking north-east



Plate 102 View Pedestrian Viaduct of Outfall Sewer looking north



Plate 103 View showing south-east brick abutment of Pedestrian Viaduct of Outfall Sewer looking south



Plate 104 View of blocked arches under Pedestrian Viaduct of Outfall Sewer looking southeast

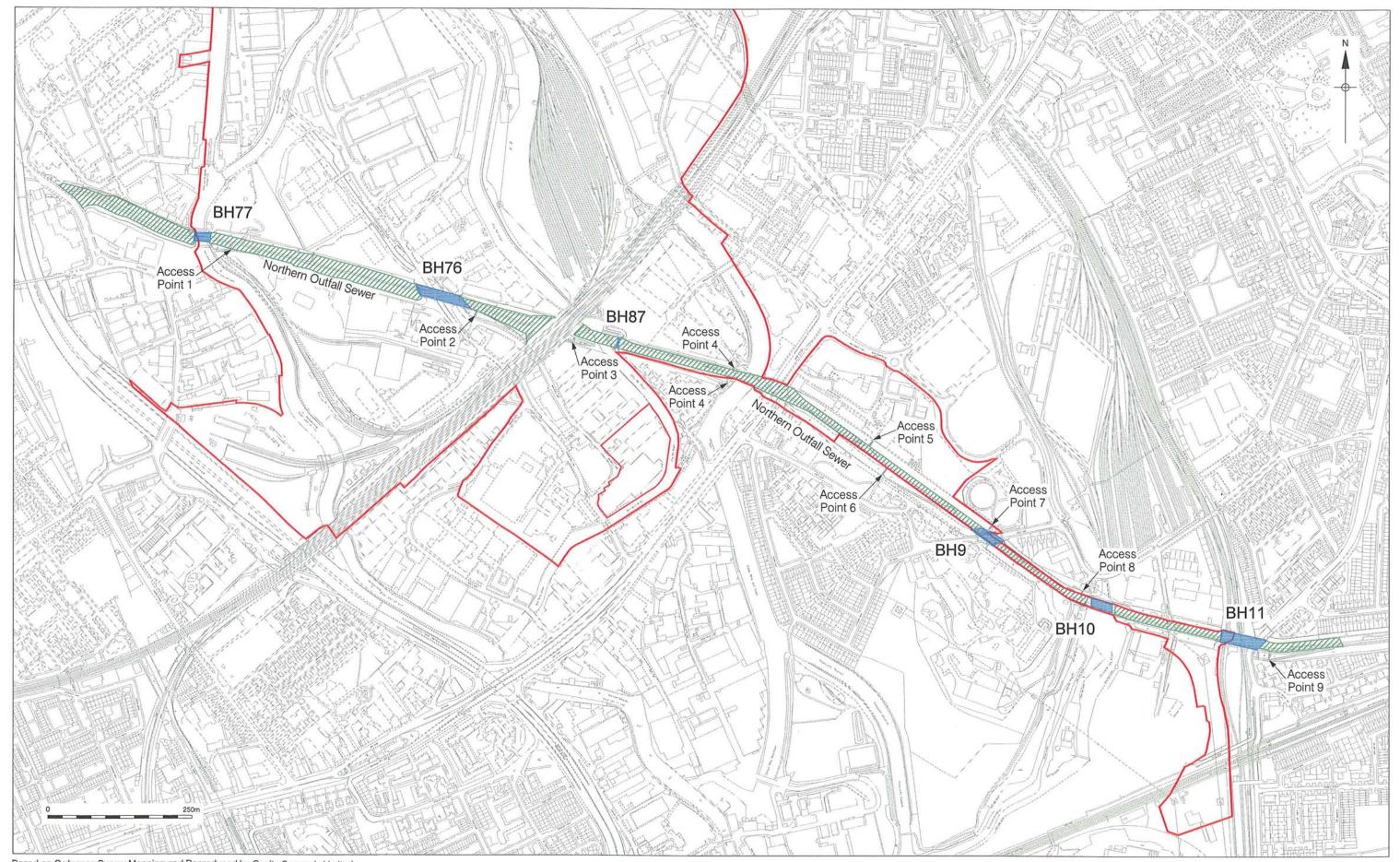


Plate 105 View of access point 9 immediately east of Pedestrian Viaduct of Outfall Sewer looking south east

## 14 Appendix 6: Figures

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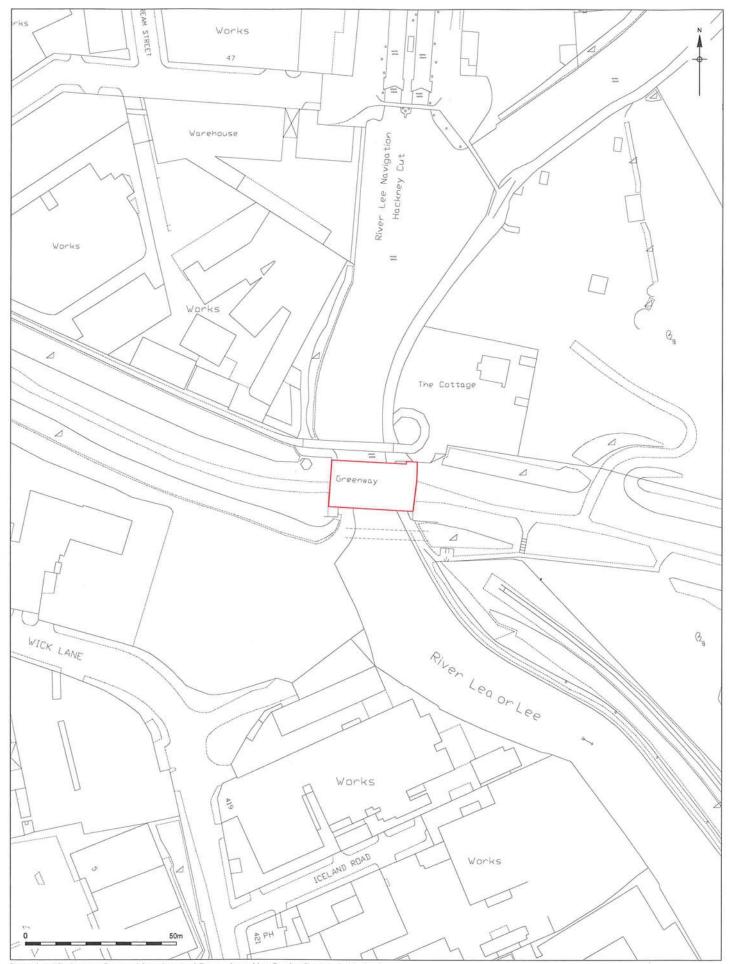
General Location Plan: OL-02507 Northern Outfall Sewer 1:10,000 at A4



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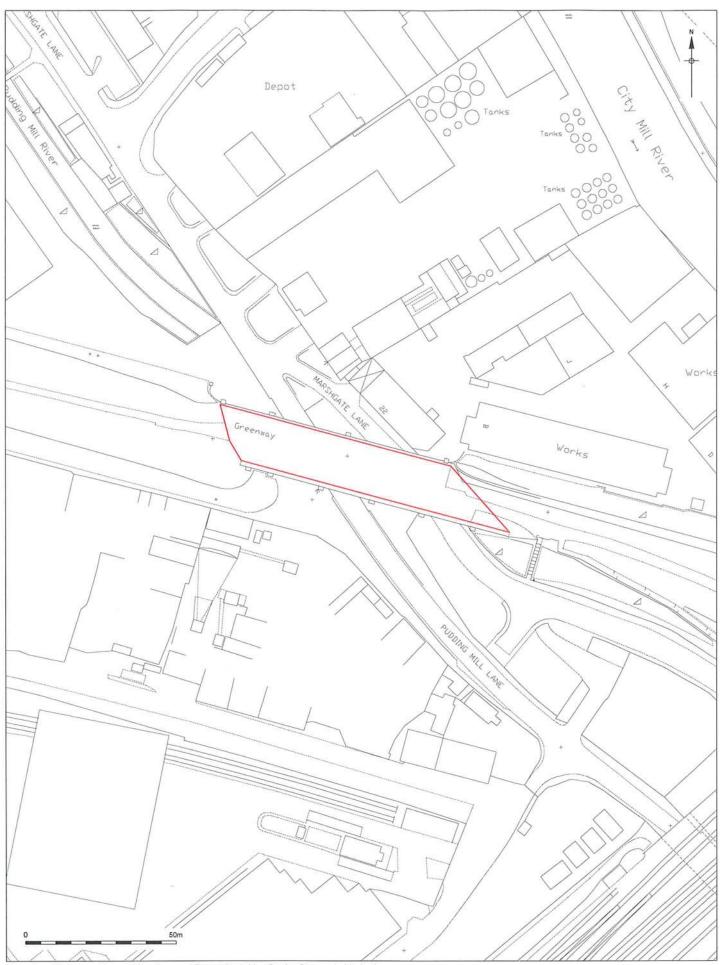
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Figure 2
Detailed Location Plan of Northern Outfall Sewer and Built Heritage Structures: OL-02507
Northern Outfall Sewer
1:6,000

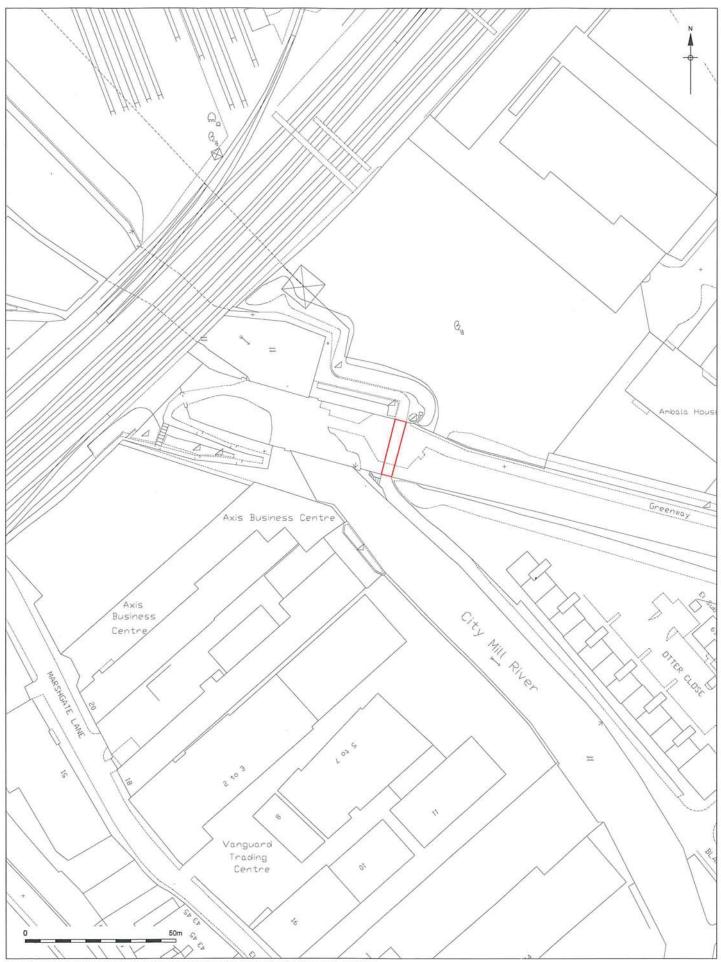


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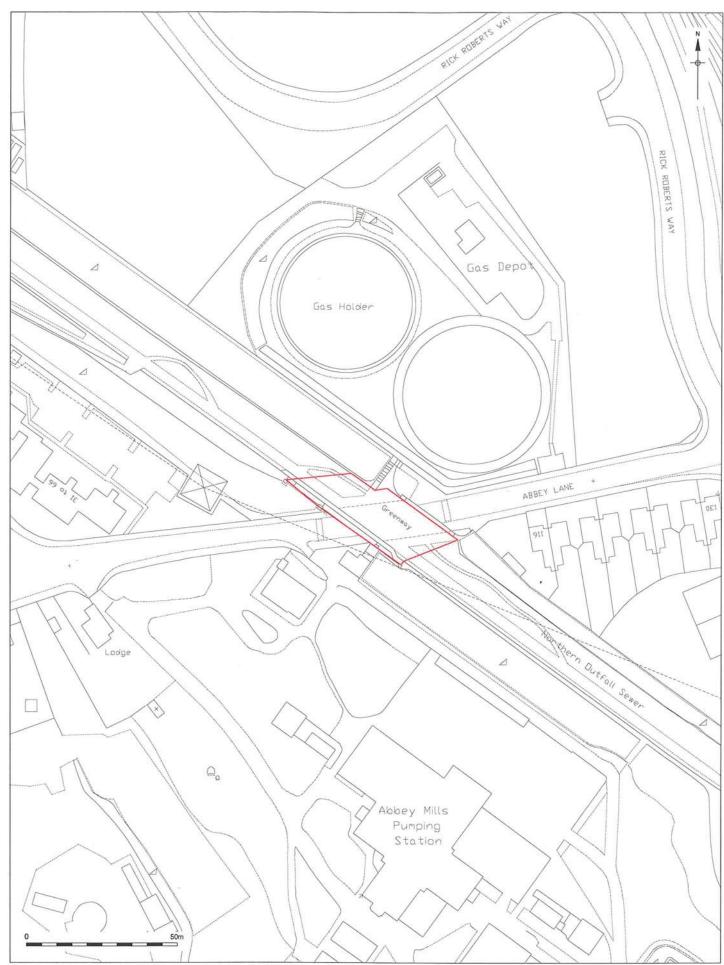
Figure 3
Detailed Location Plan:OL-02207 (Greenway Bridge over the River Lea)
Northern Outfall Sewer
1:1,250



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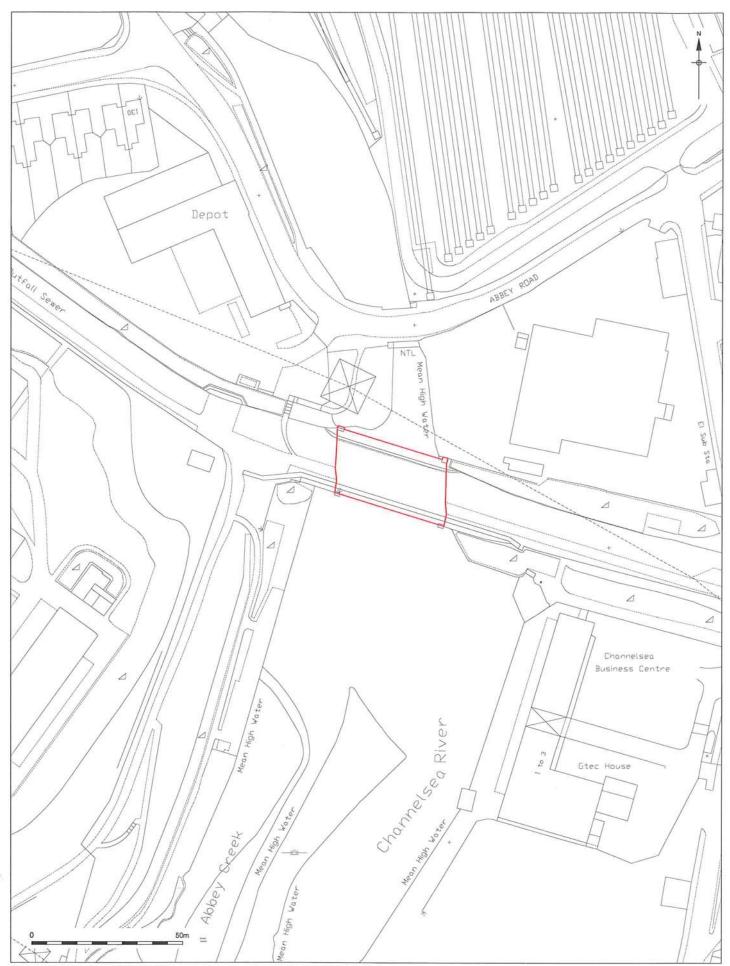


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Figure 6 Detailed Location Plan: OL-04507 (Abbey Lane Pedestrian Bridge) Northern Outfall Sewer 1:1,250

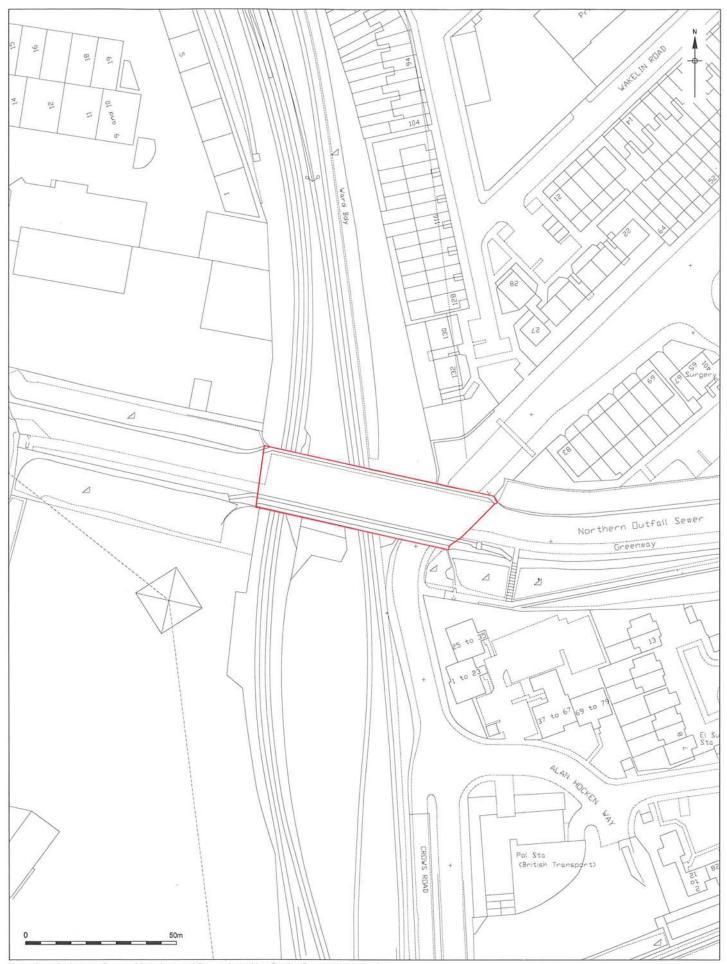


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Detailed Location Plan: OL-04607 (Pedestrian Bridge Spanning the Channelsea River)

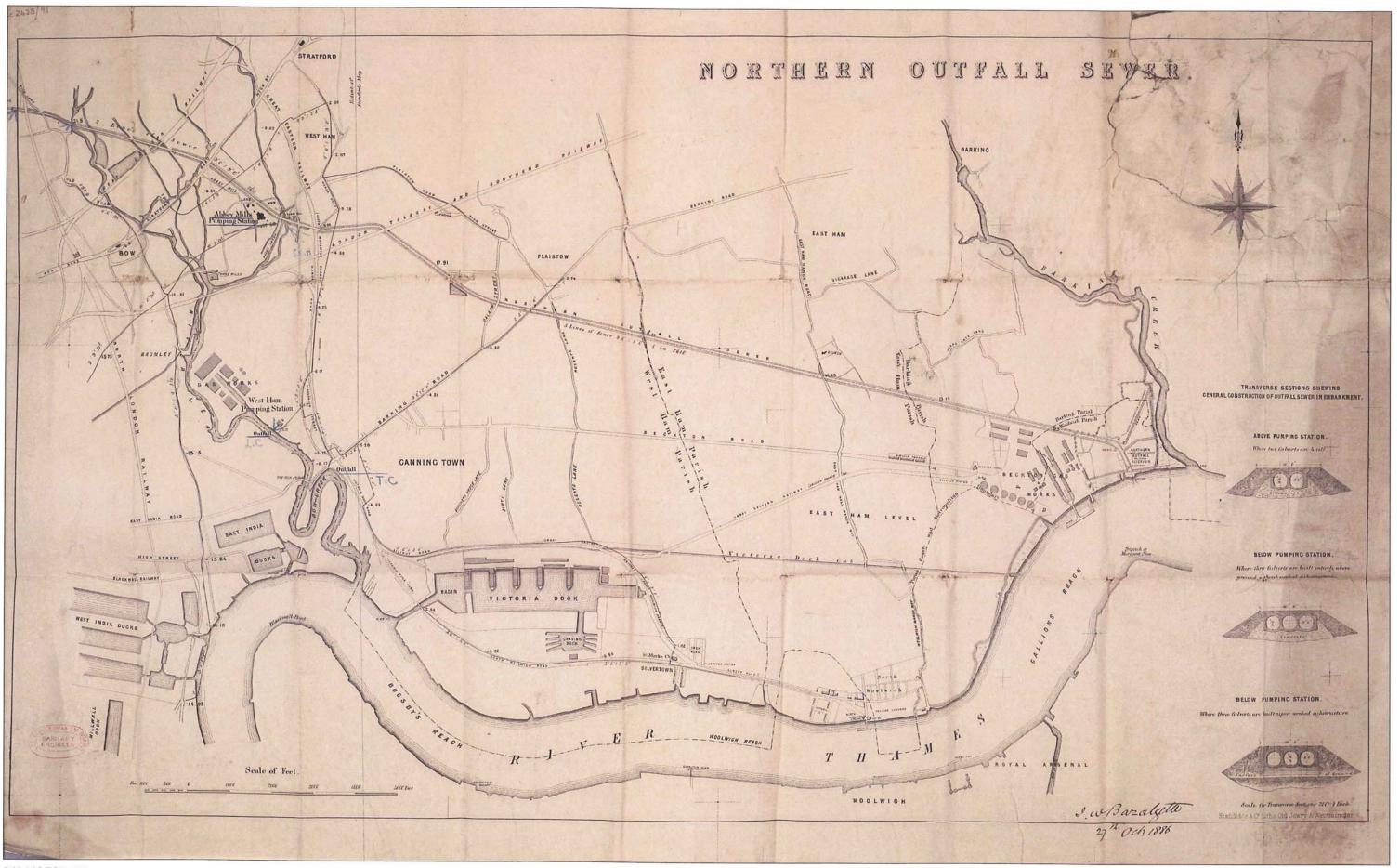
Northern Outfall Sewer

1:1,250



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Figure 8 Detailed Location Plan: OL-04707 (Pedestrian Viaduct of Outfall Sewer) Northern Outfall Sewer 1:1,250



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Figure 10 Original contract plan for Main Drainage 1859, OL-02507 Northern Outfall Sewer not to scale

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Figure 11 Contract plan of Northern Outfall Sewer 1860, OL-02507 Northern Outfall Sewer not to scale

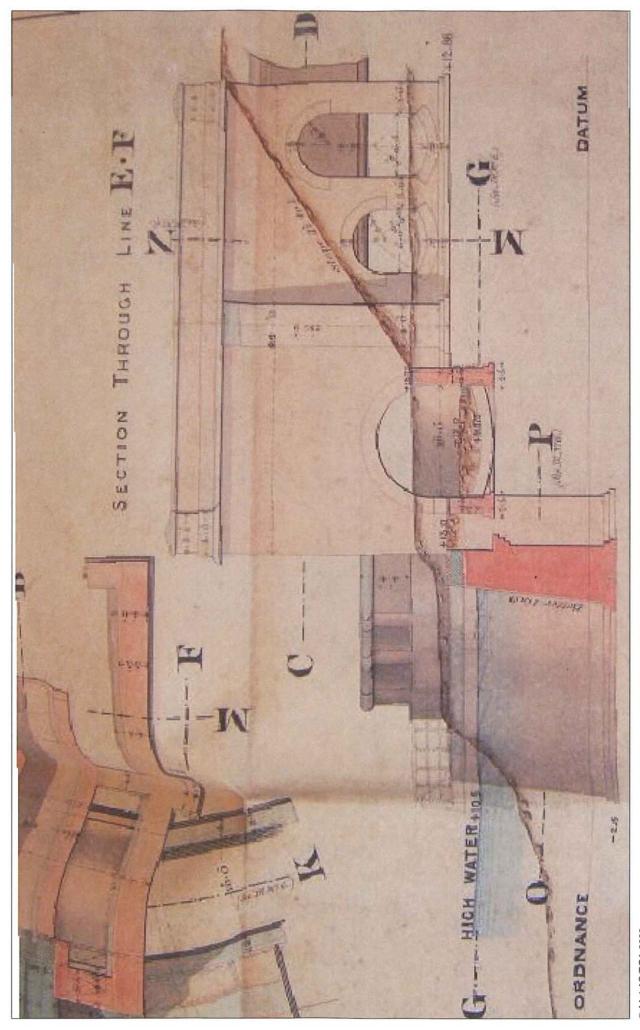
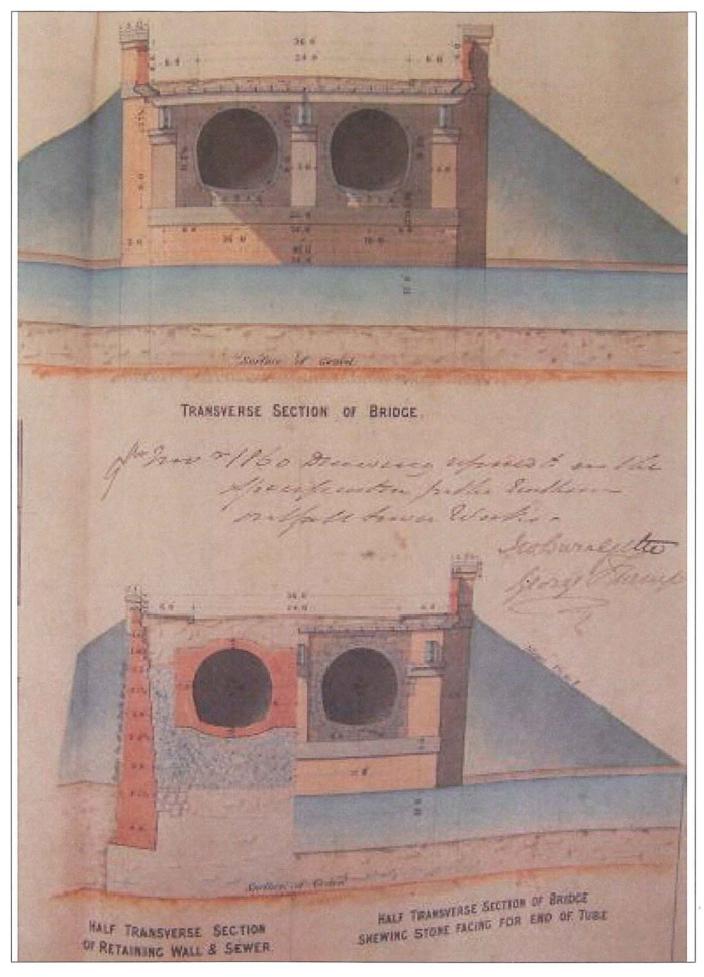


Figure 12 Section through Northern Outfall Sewer on west bank of River Lea 1860, OL-02507 Northern Outfall Sewer not to scale



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Figure 13 Sectional elevation through Northern Outfall Sewer spanning East London Waterworks Feeder 1860, OL-02507 Northern Outfall Sewer

Figure 14 Sectional Elevation of Northern Outfall Sewer 1860, OL-02507 Northern Outfall Sewer not to scale

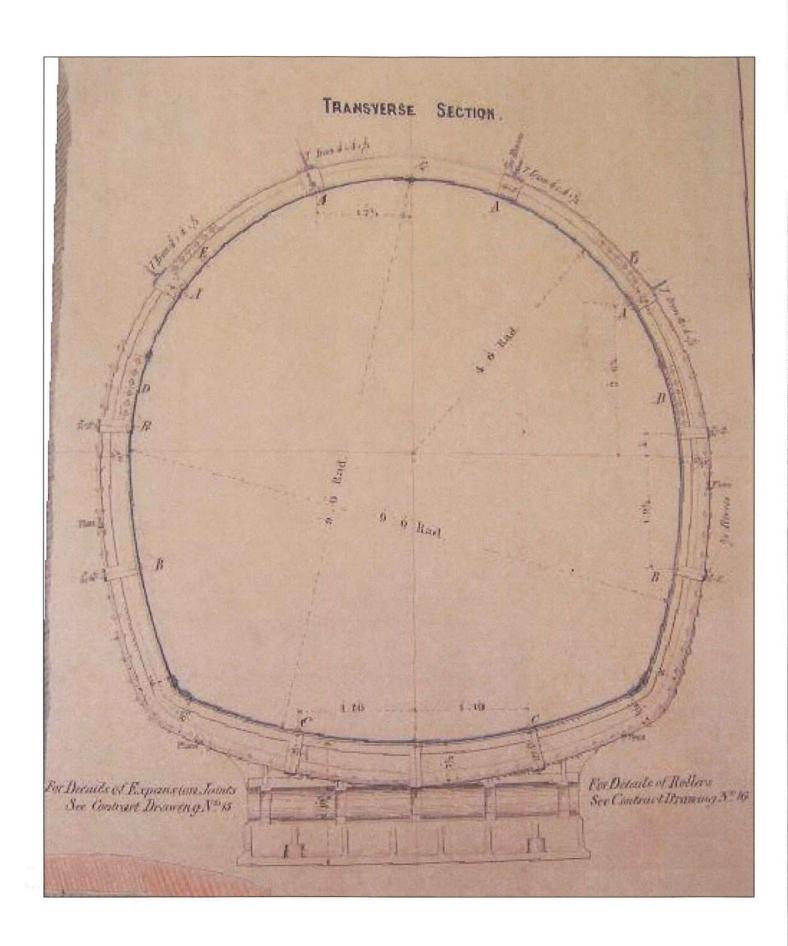
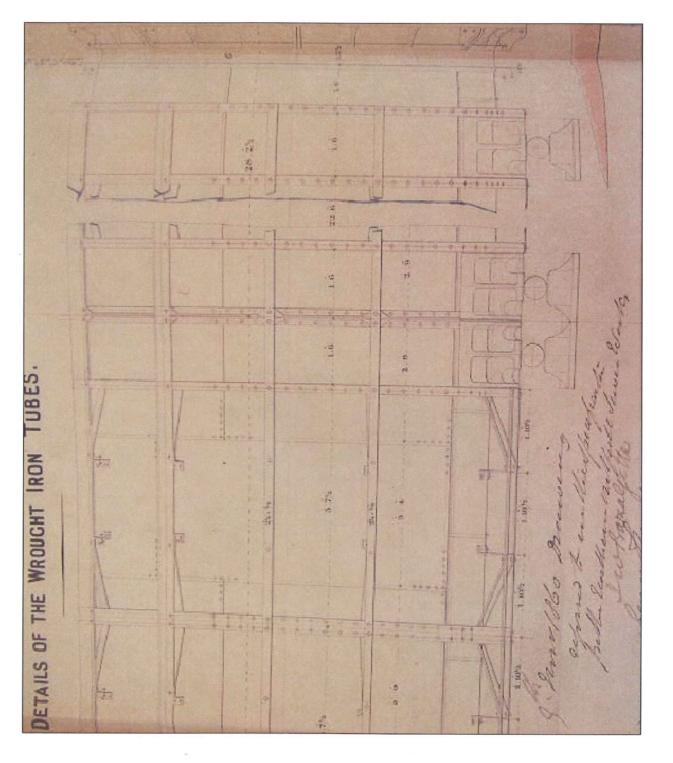
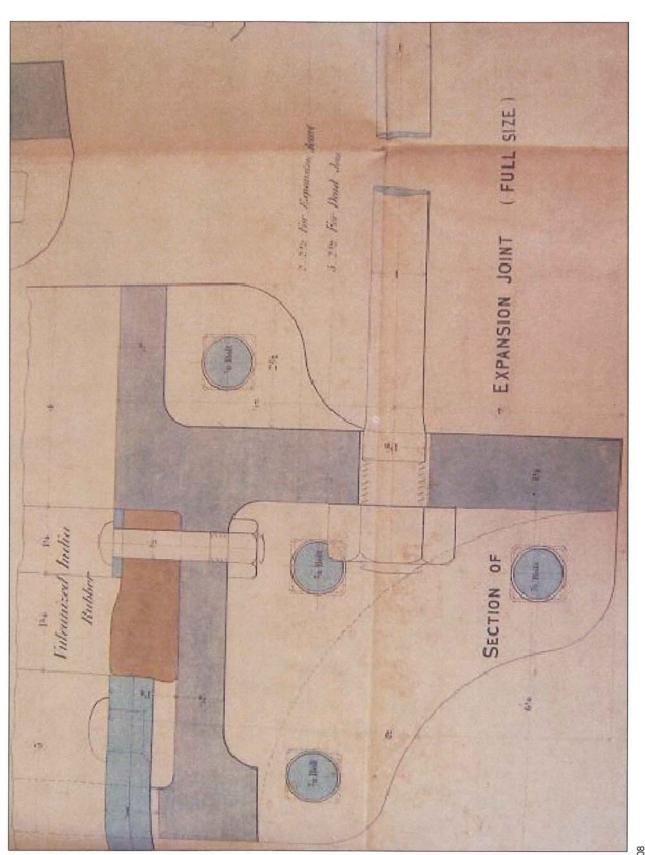


Figure 16 Sectional plan of typical sewer tube 1860, OL-02507 Northern Outfall Sewer

not to scale





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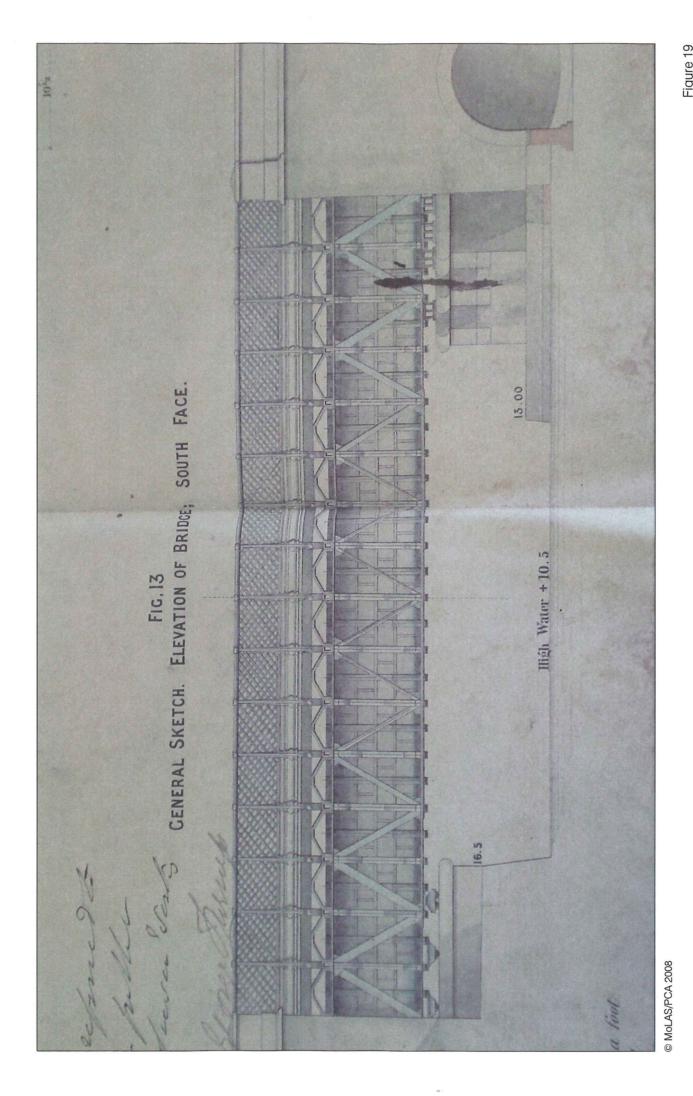


Figure 19
Elevation showing typical bridge structure 1860, OL-02507
Northern Outfall Sewer not to scale

Figure 20 Drawing of typical railings along top of Northern Outfall Sewer embankments 1860, OL-02507 Northern Outfall Sewer not to scale

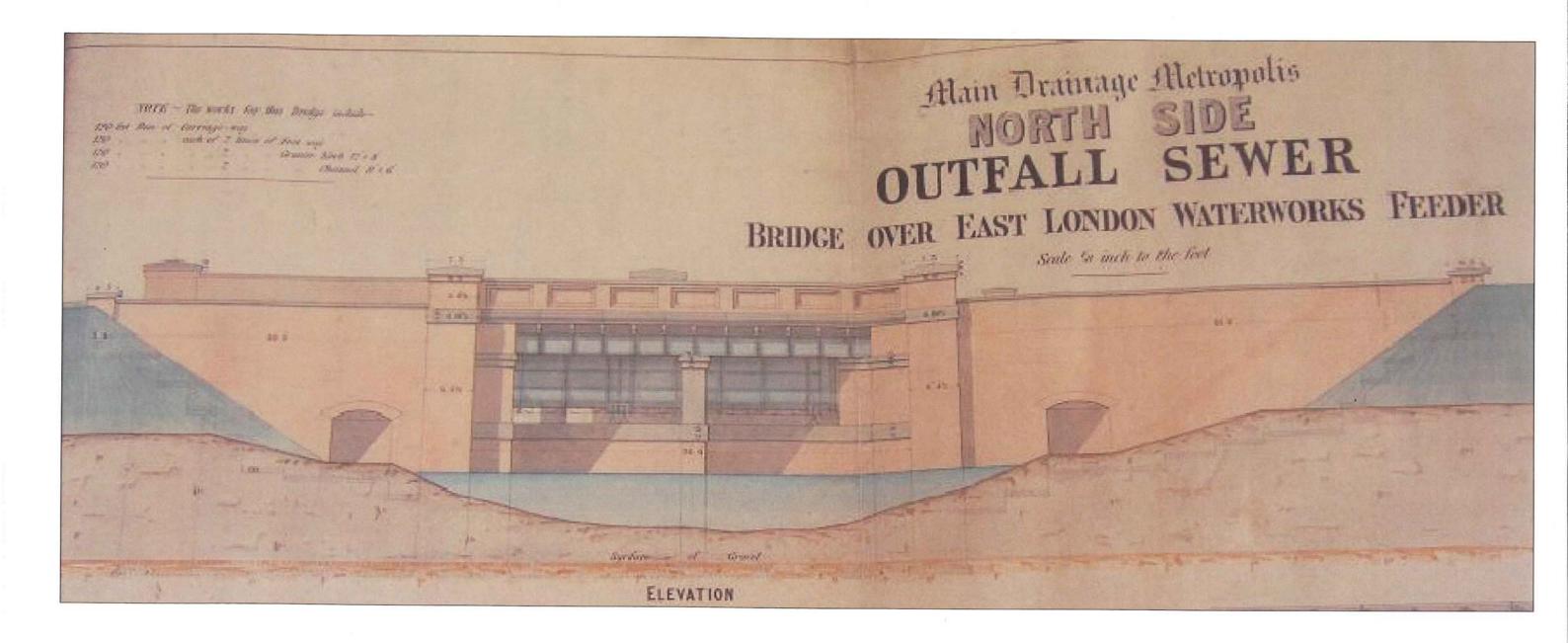
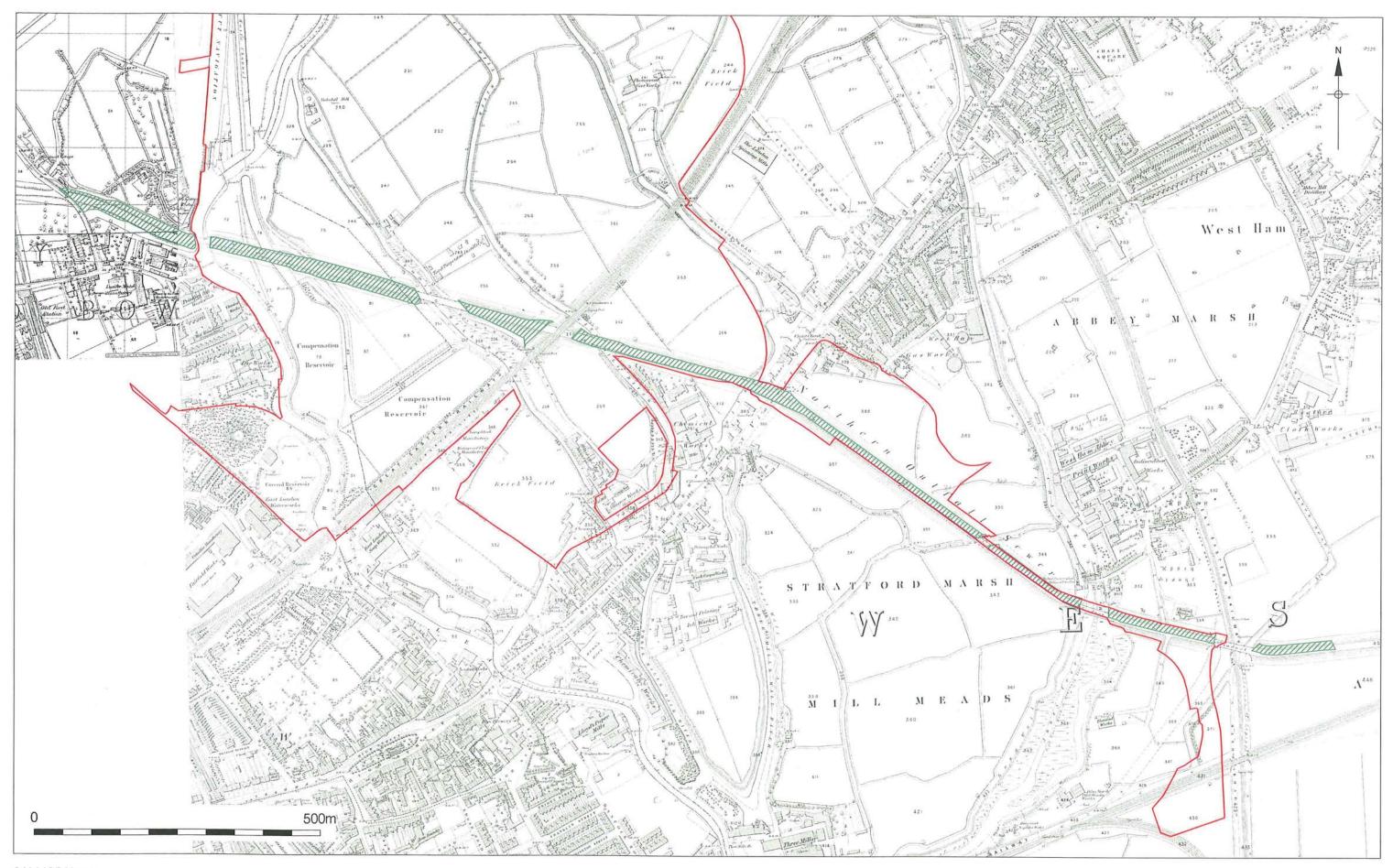
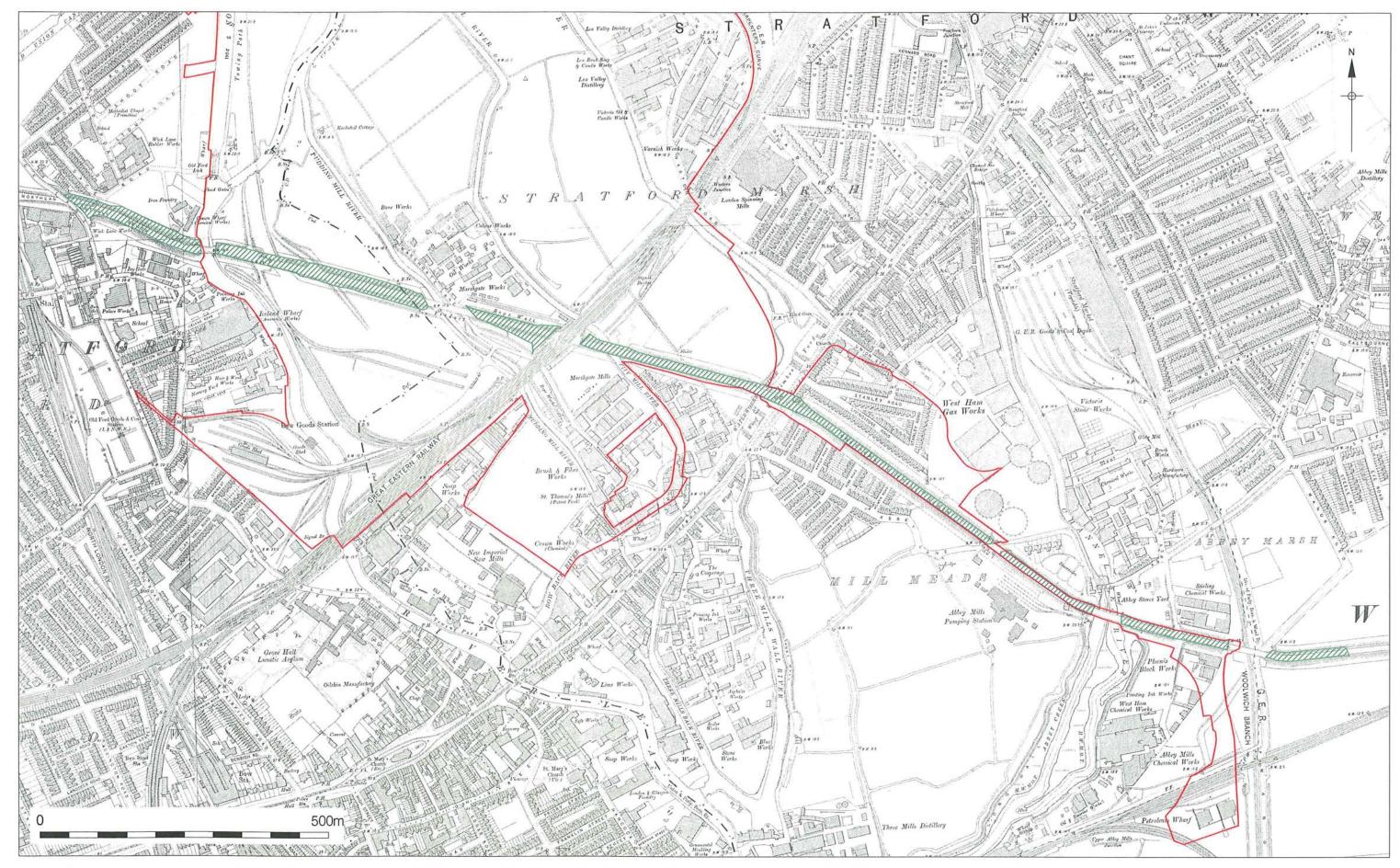


Figure 22 Plan of Northern Outfall Sewer spanning waterworks feeder 1860, OL-02507 Northern Outfall Sewer not to scale

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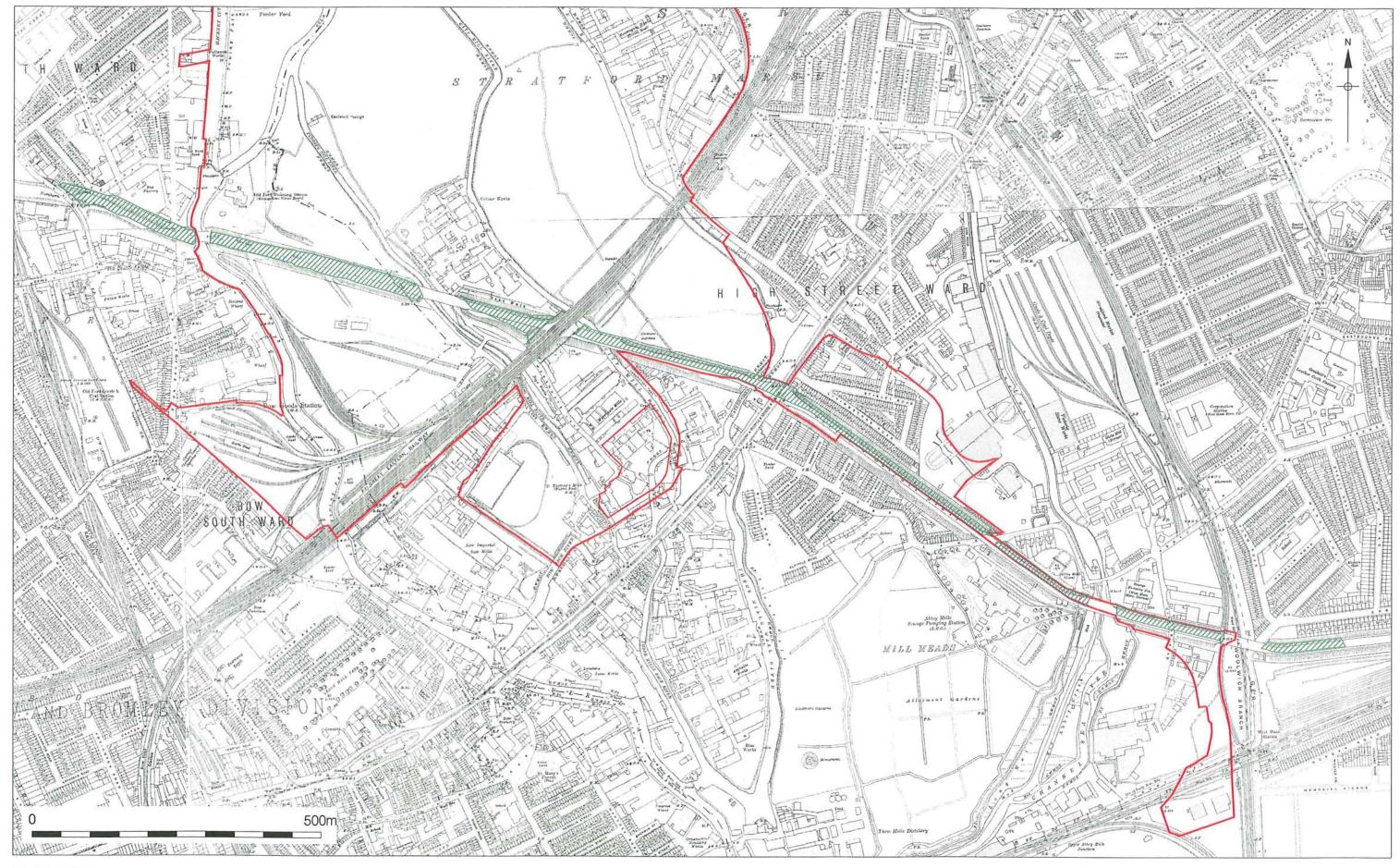
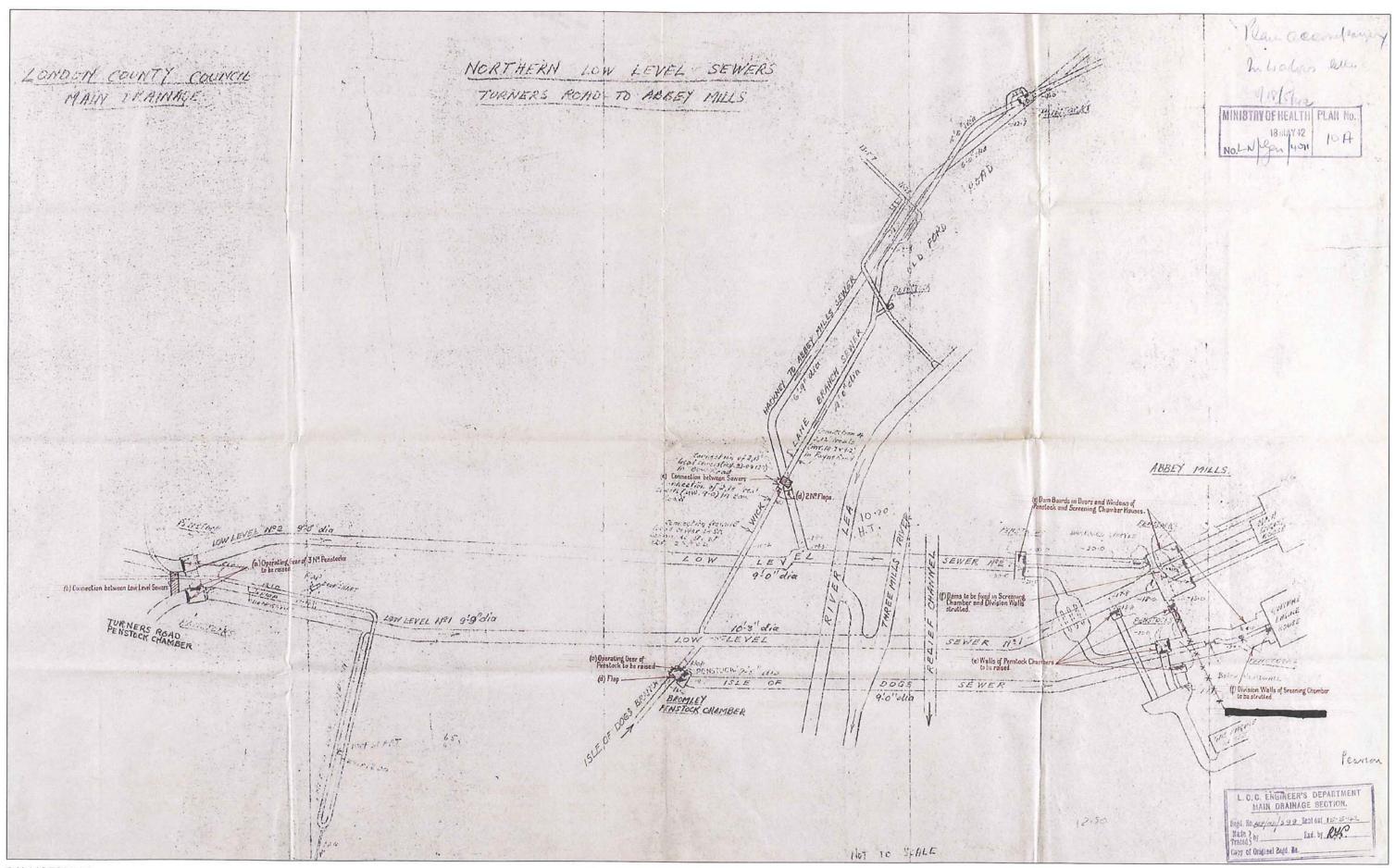
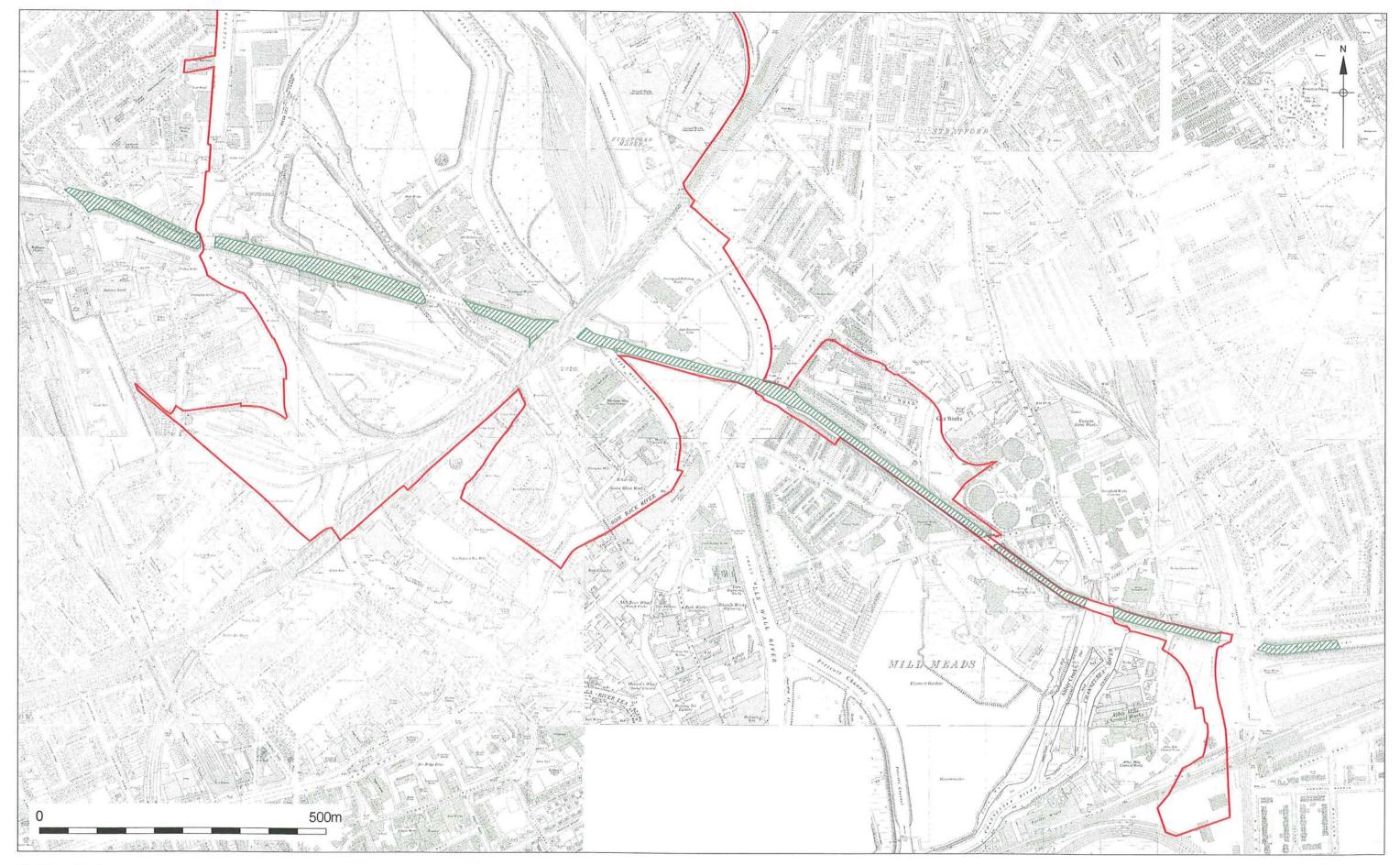
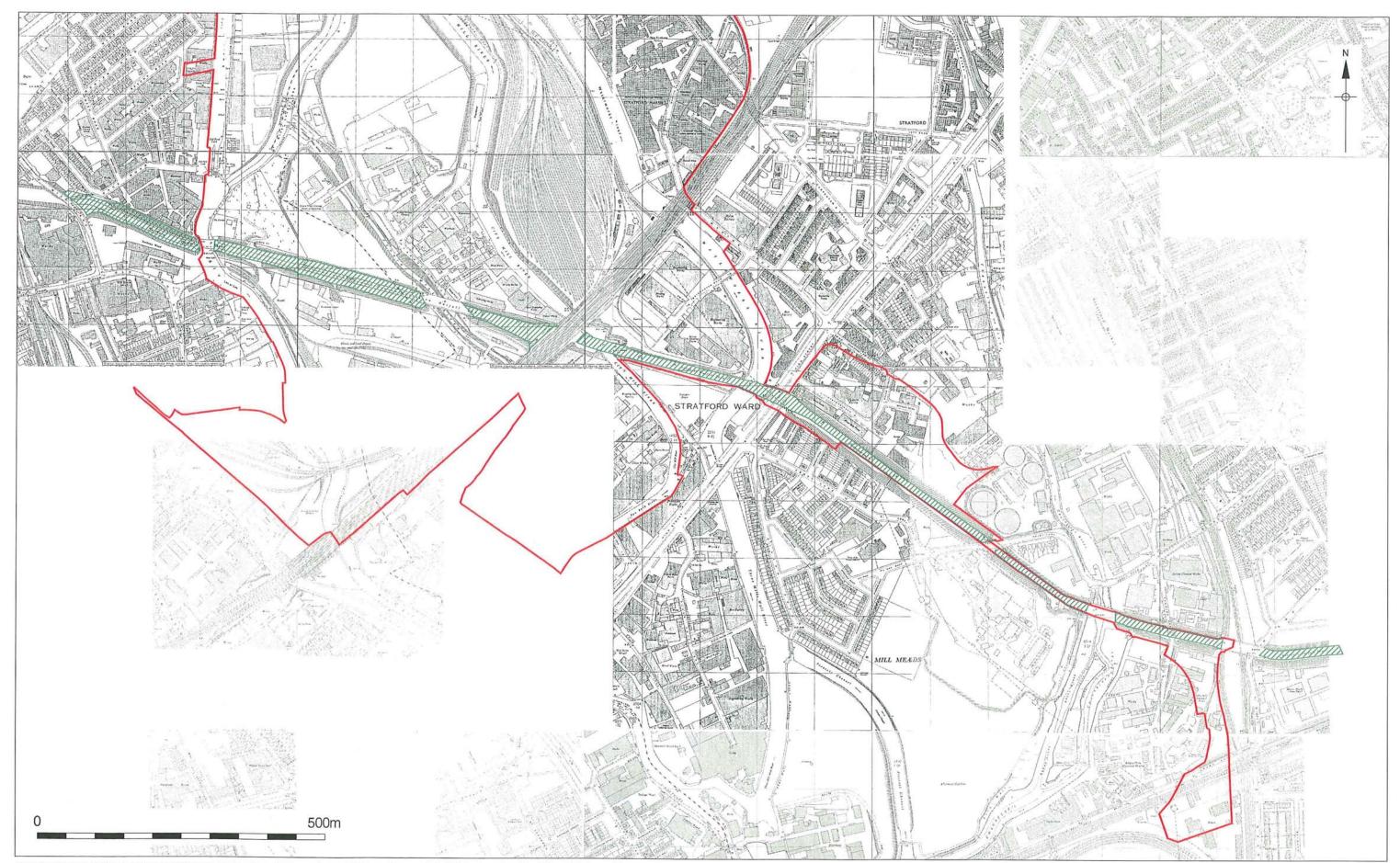


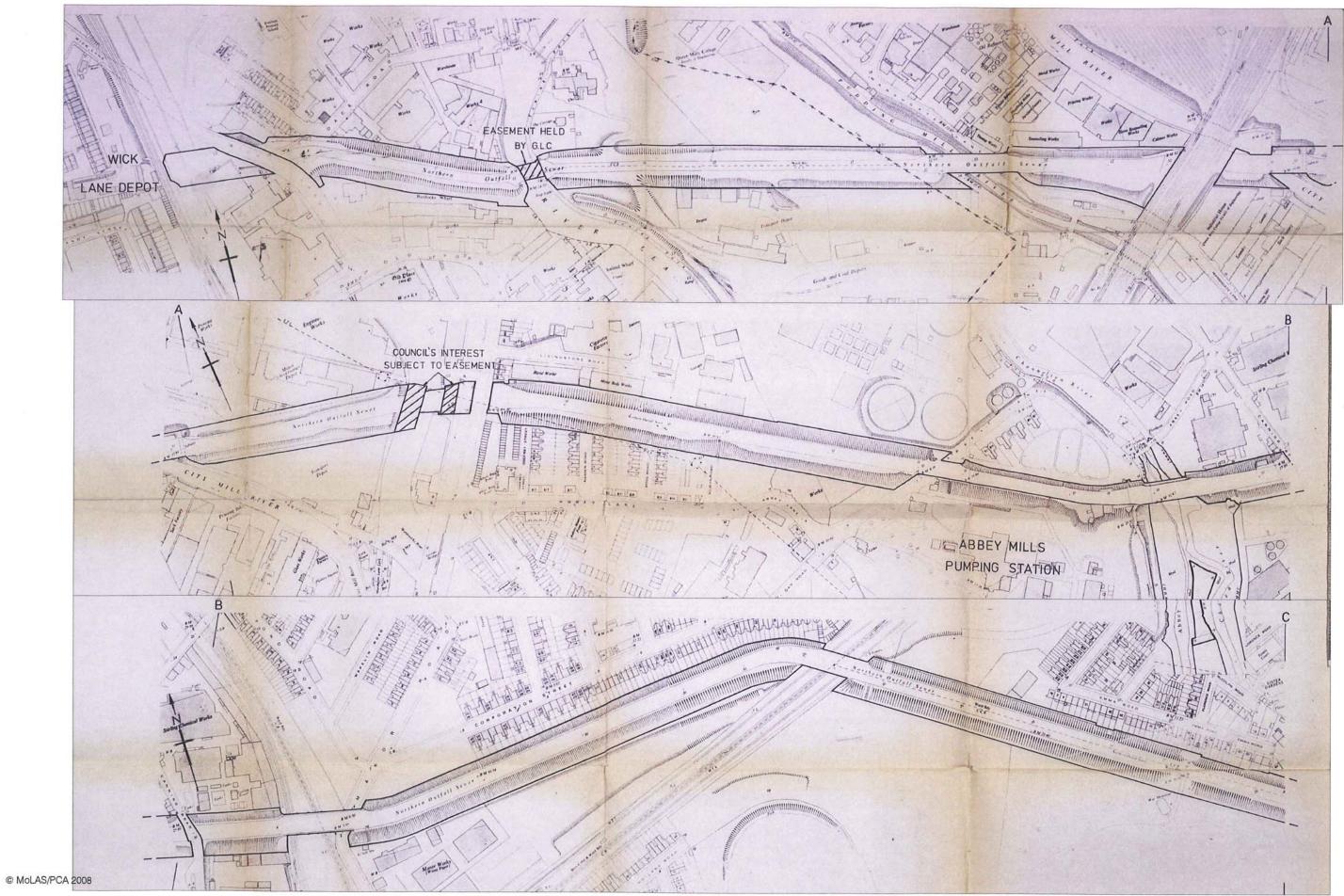
Figure 25 Ordnance Survey map 1913-4: OL-02507 Northern Outfall Sewer 1:6,000







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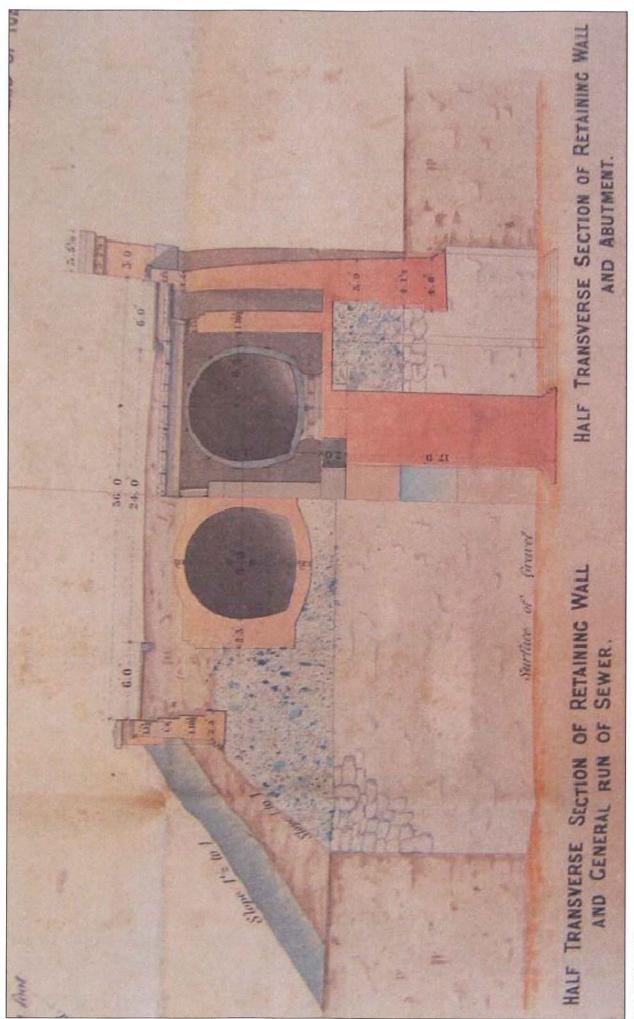


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Figure 30 Cross section details of sewer tube 'main ribs' 1860, OL-02507 Northern Outfall Sewer not to scale

Figure 31 Contract plan of Northern Outfall Sewer spanning the River Lea 1860, OL-02207 (Greenway Bridge over the River Lea)

Northern Outfall Sewer not to scale



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Figure 32 Sectional elevation through Northern Outfall Sewer at the River Lea 1860, OL-02207 (Greenway Bridge over the River Lea) Northern Outfall Sewer not to scale

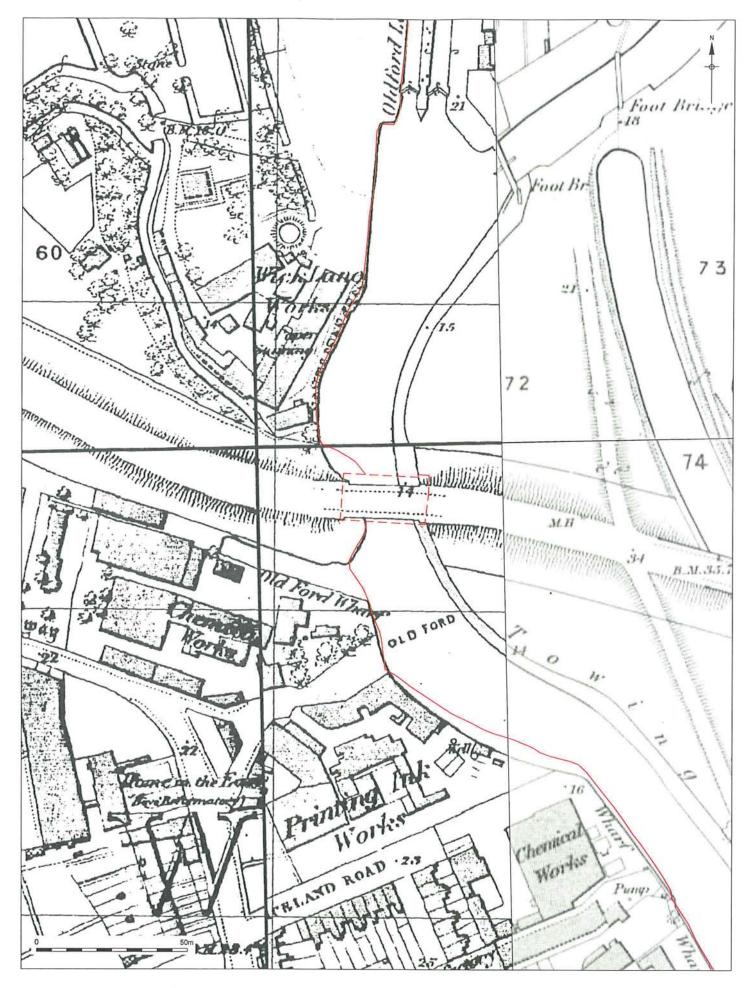


Figure 33 Ordnance Survey map 1867-69: OL-02207 (Greenway Bridge over the River Lea) Northern Outfall Sewer 1:1,250

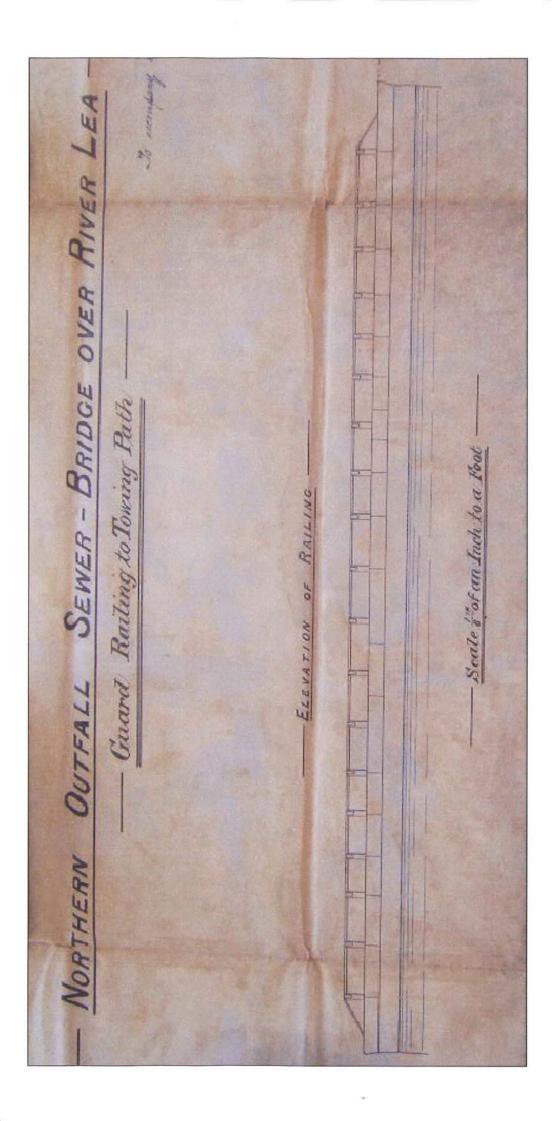


Figure 34 Elevation of towpath guard railing under Northern Outfall Sewer 1893, OL-02207 (Greenway Bridge over the River Lea)

Northern Outfall Sewer not to scale

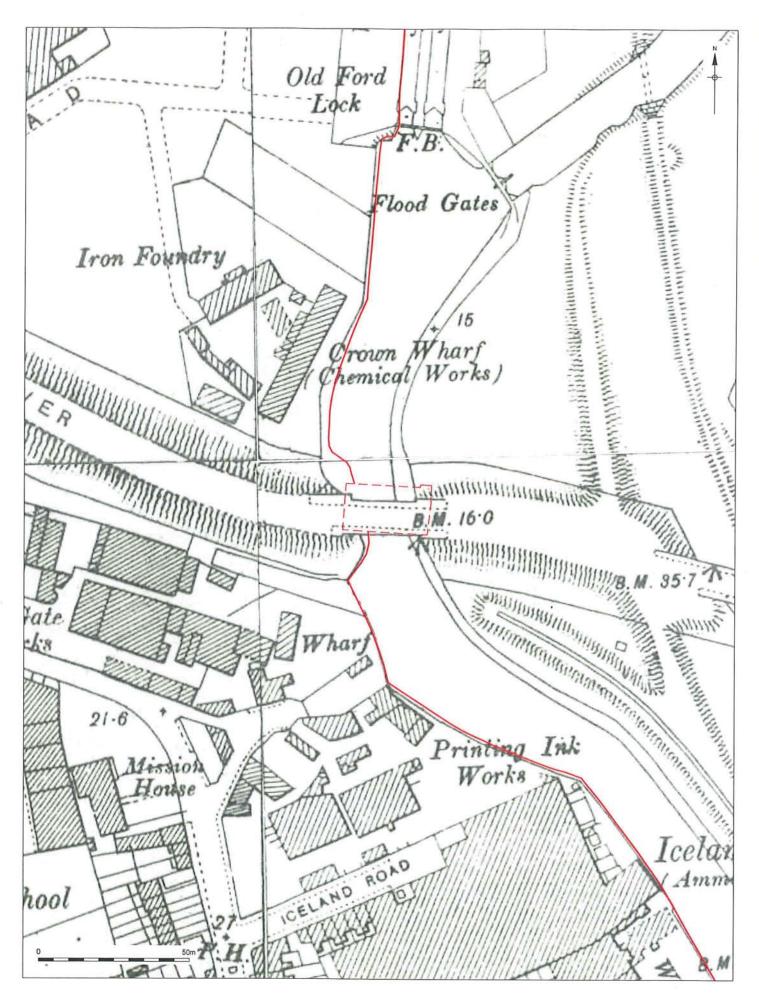


Figure 35 Ordnance Survey map 1894-96: OL-02207 (Greenway Bridge over the River Lea) Northern Outfall Sewer 1:1,250

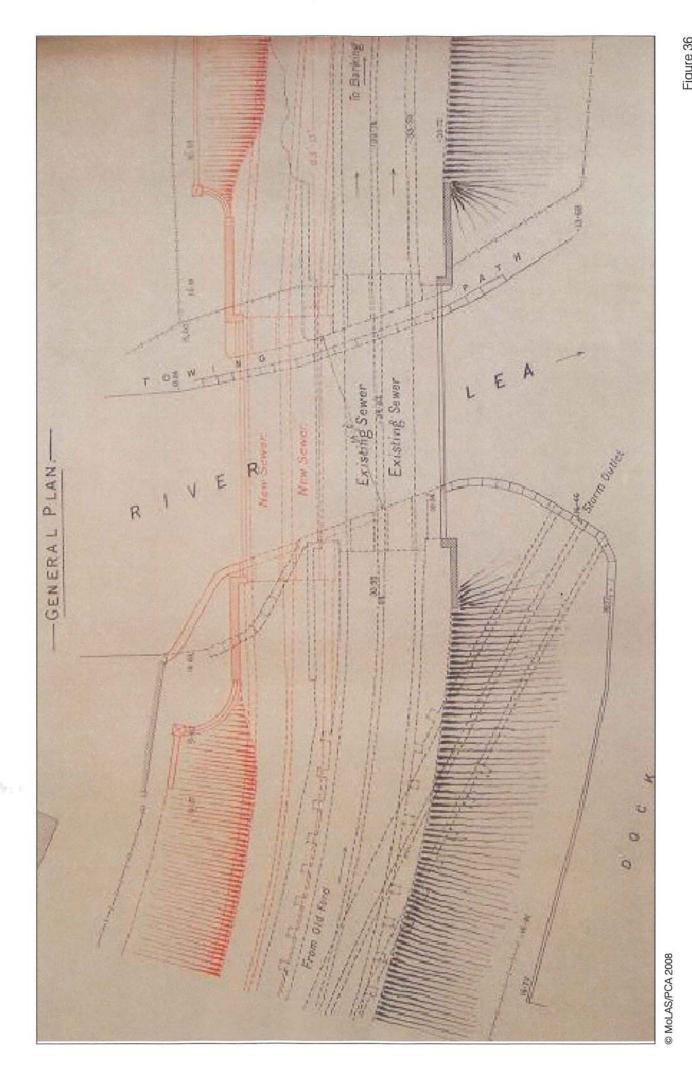


Figure 36 Plan of extension of Bridge over the River Lea 1904, OL-02207 (Greenway Bridge over the River Lea)

Northern Outfall Sewer not to scale

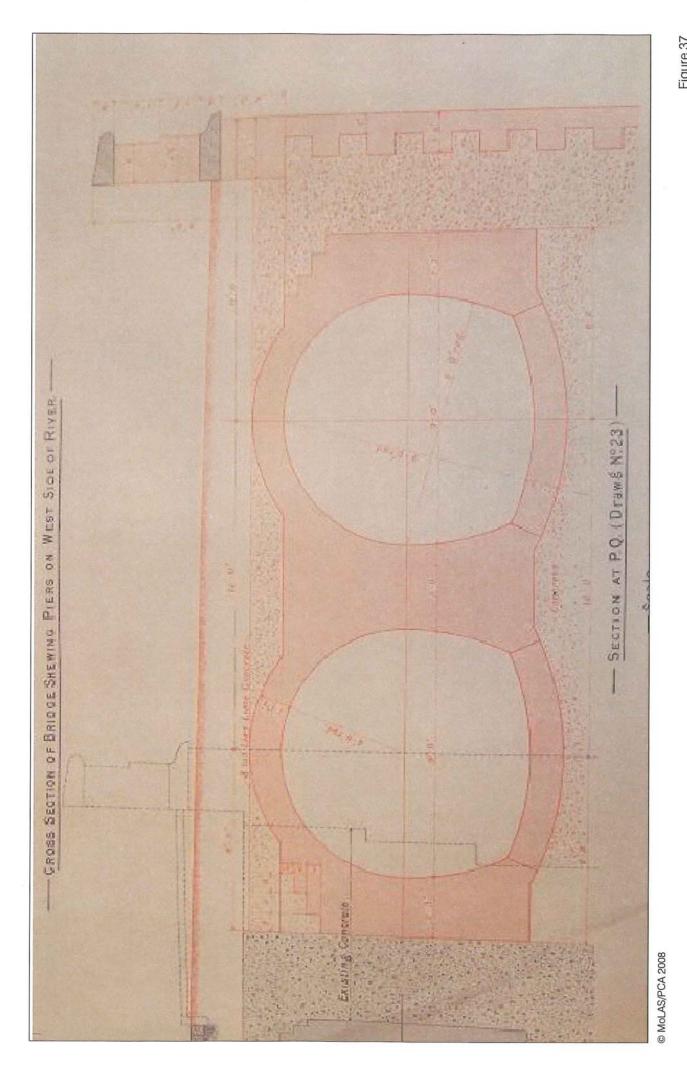


Figure 37 Sectional elevation through Bridge over River Lea 1904, OL-02207 (Greenway Bridge over the River Lea)

Northern Outfall Sewer not to scale

Figure 38 Sectional elevation through Bridge over River Lea 1904, OL-02207 (Greenway Bridge over the River Lea) Northern Outfall Sewer not to scale

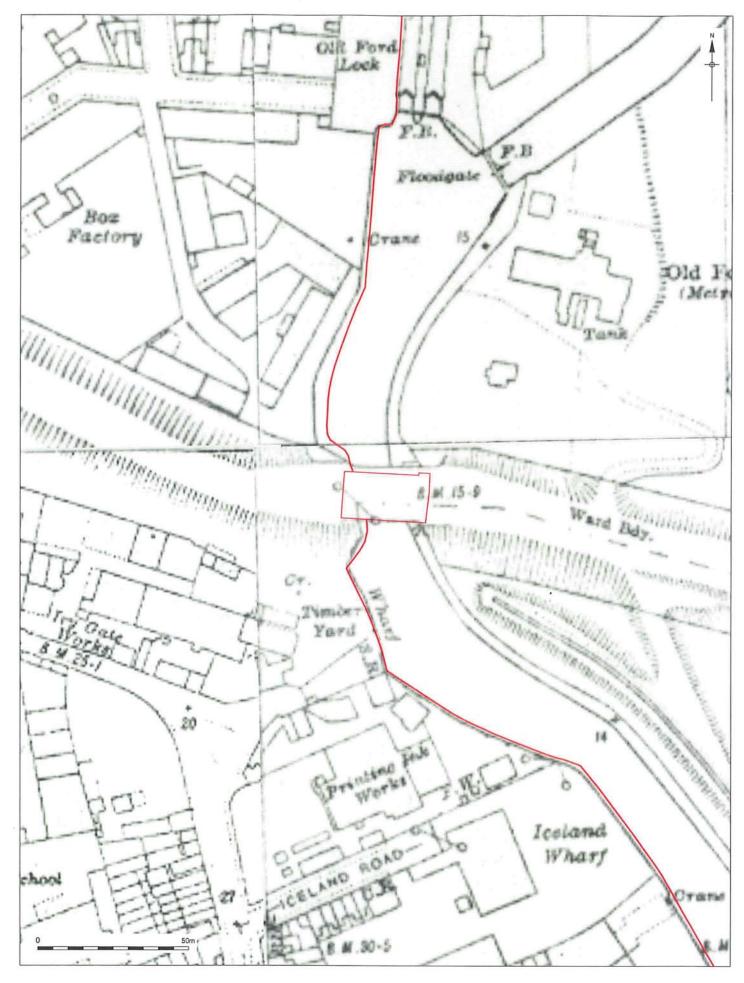
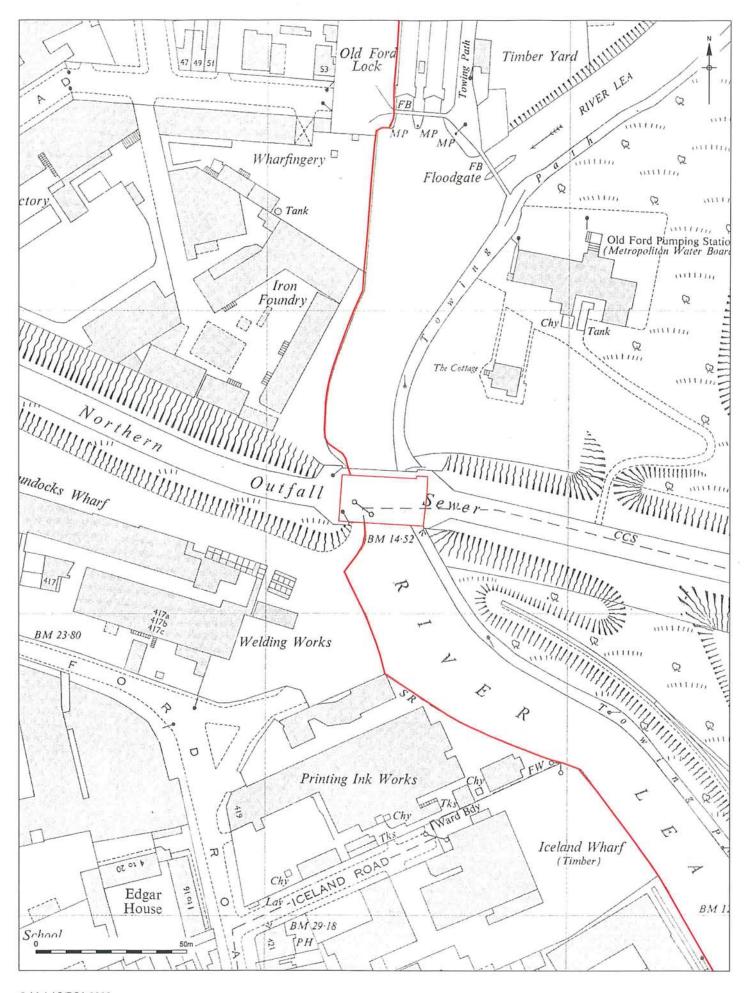
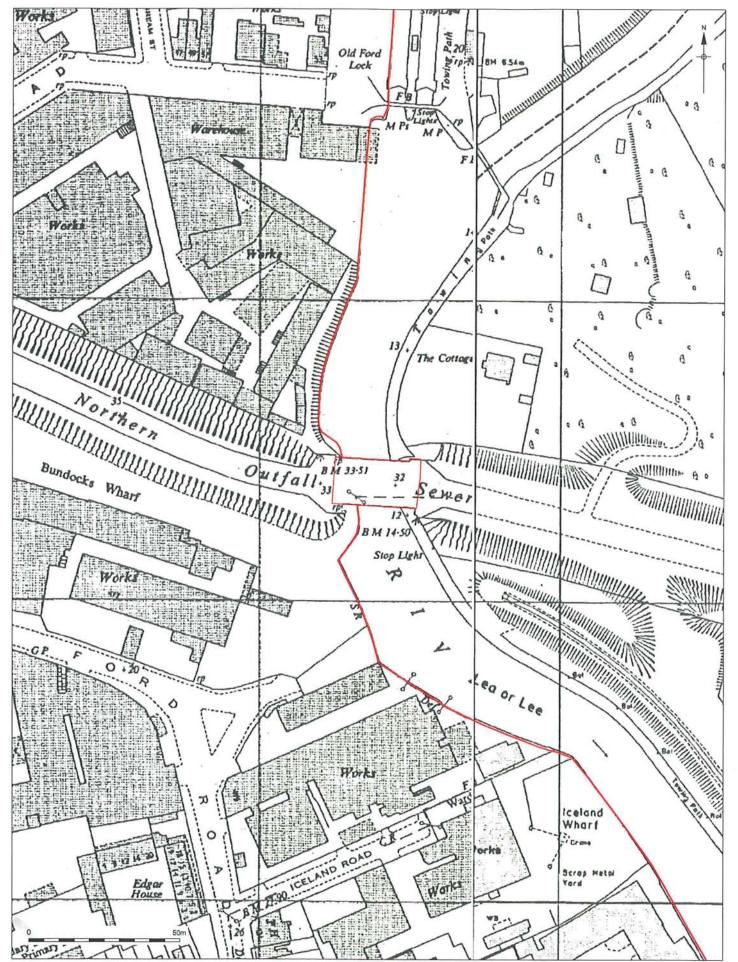


Figure 39
Ordnance Survey map 1914-16: OL-02207 (Greenway Bridge over the River Lea)
Northern Outfall Sewer
1:1,250



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Figure 40 Ordnance Survey map 1948: OL-02207 (Greenway Bridge over the River Lea) Northern Outfall Sewer 1:1,250



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Figure 41 Ordnance Survey map 1960s: OL-02207 (Greenway Bridge over the River Lea) Northern Outfall Sewer

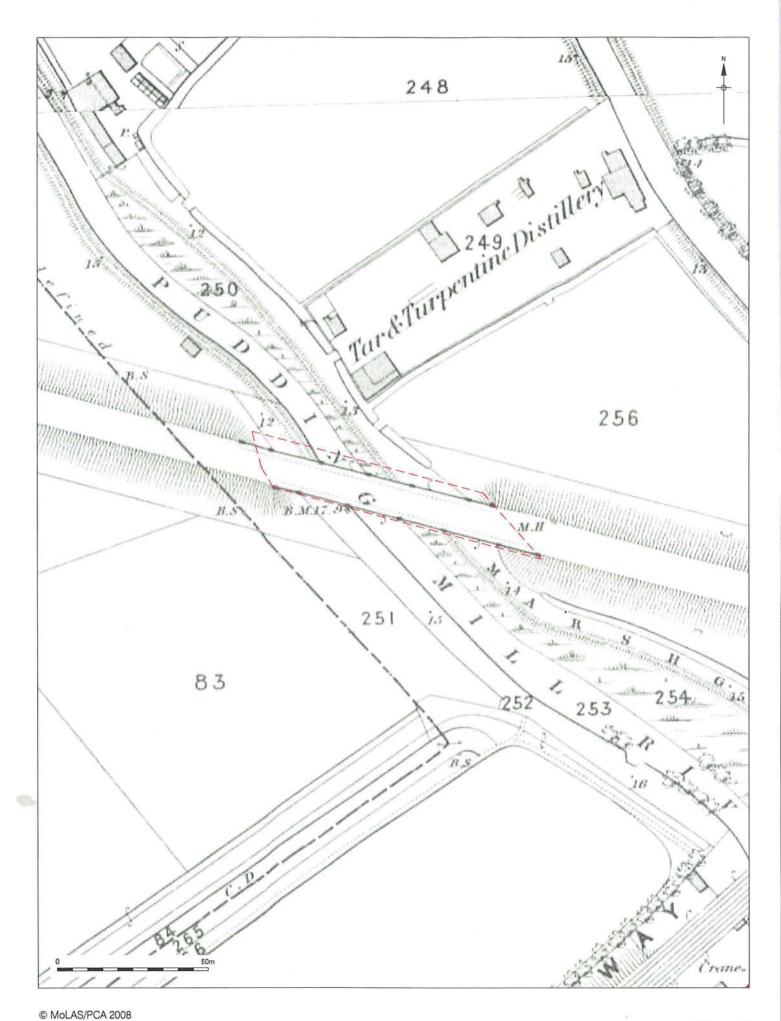


Figure 42 Ordnance Survey map 1867-69: OL-02307 (Greenway Bridge over Marshgate Lane and Pudding Mill Lane) Northern Outfall Sewer 1:1,250

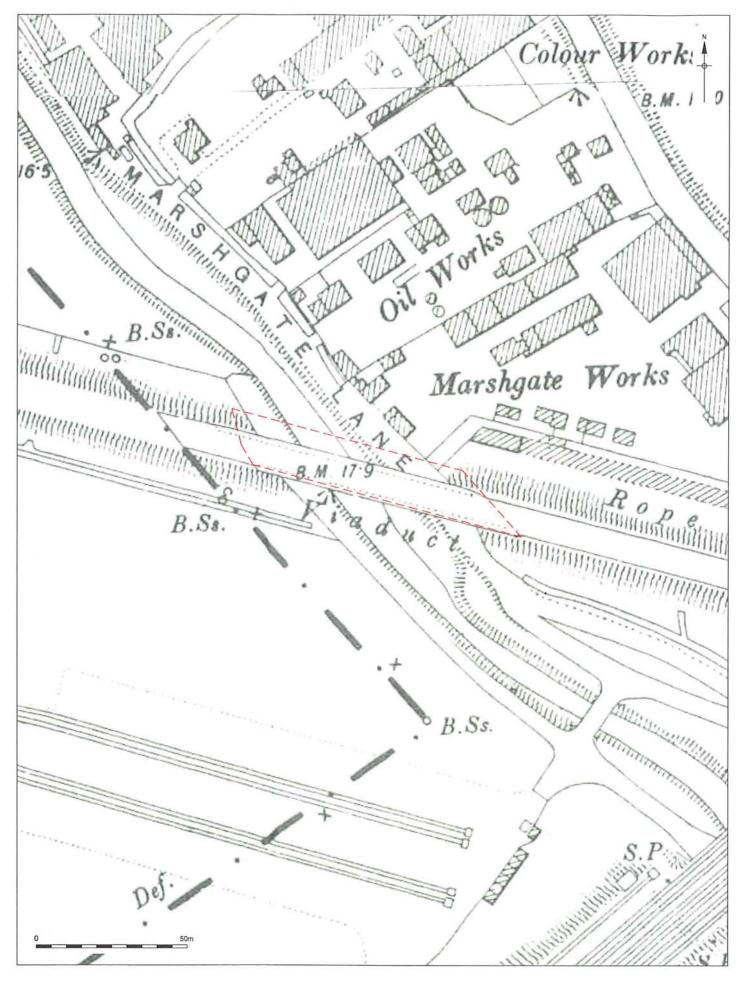


Figure 43
Ordnance Survey map 1894-96: OL-02307 (Greenway Bridge over Marshgate Lane and Pudding Mill Lane)
Northern Outfall Sewer
1:1,250

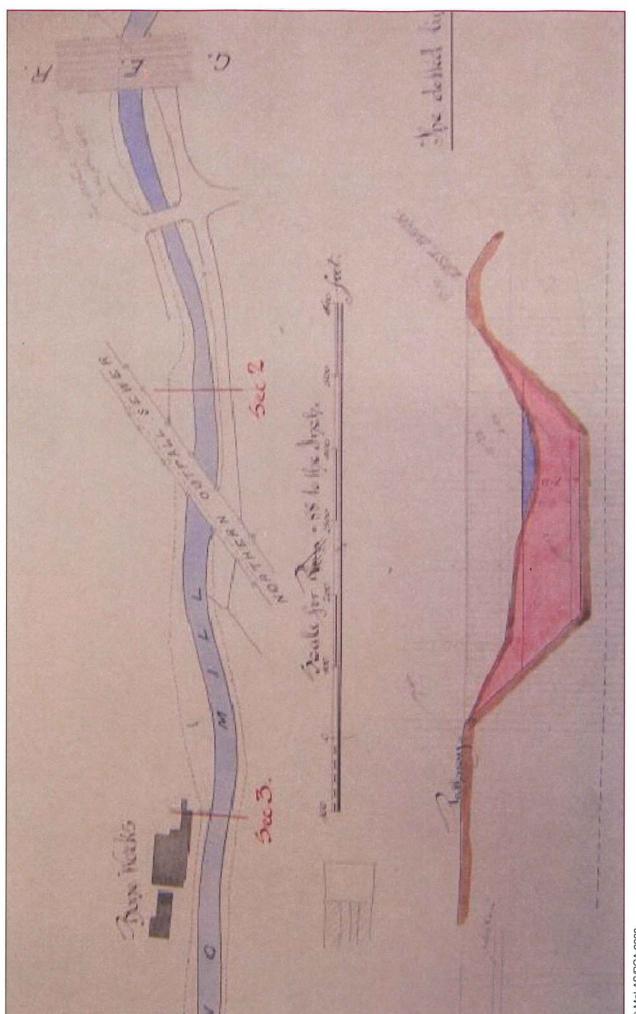


Figure 44 Plan of Northern Outfall Sewer crossing Pudding Mill River 1905, OL-02307 (Greenway Bridge over Marshgate Lane and Pudding Mill Lane)
Northern Outfall Sewer not to scale

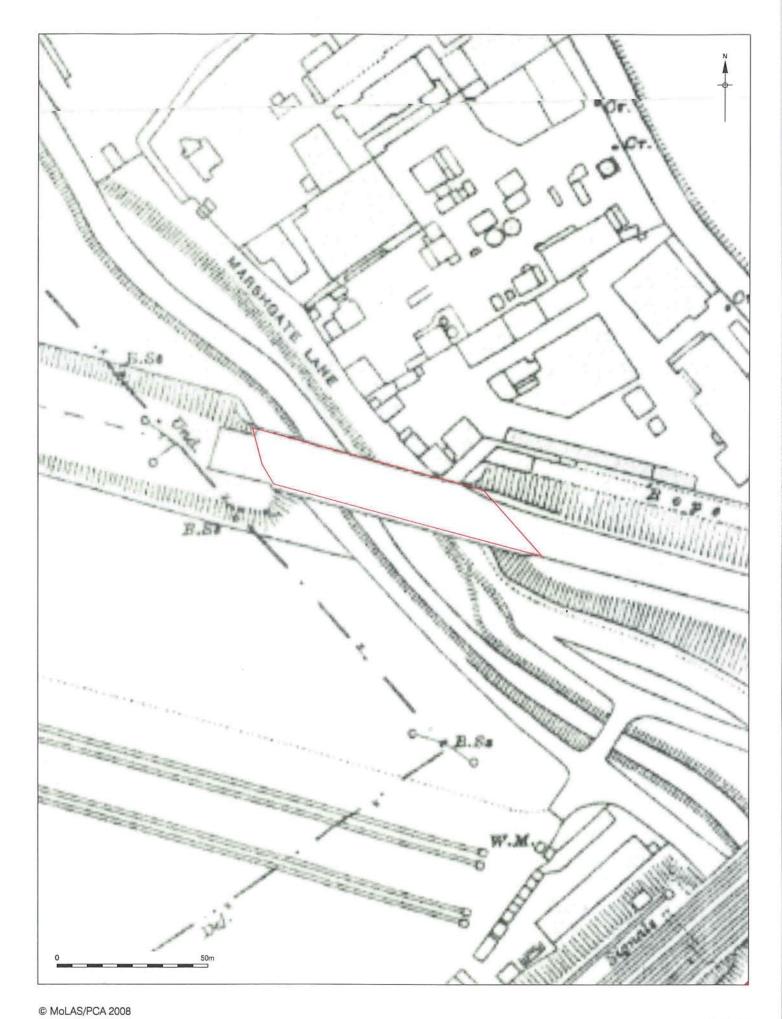
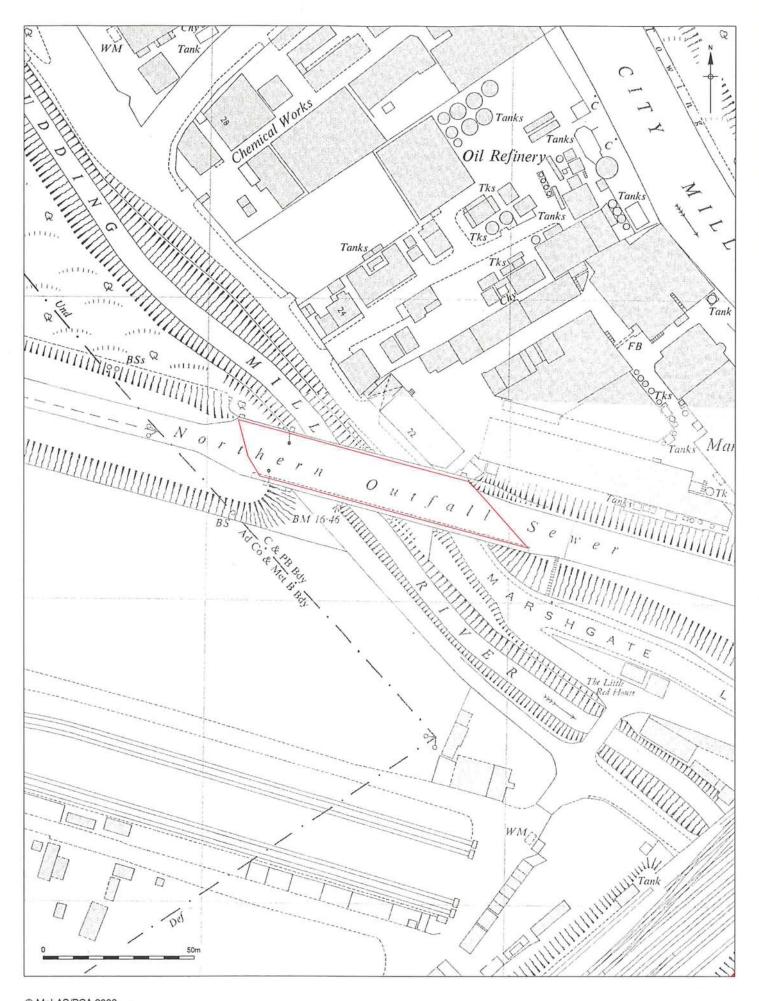
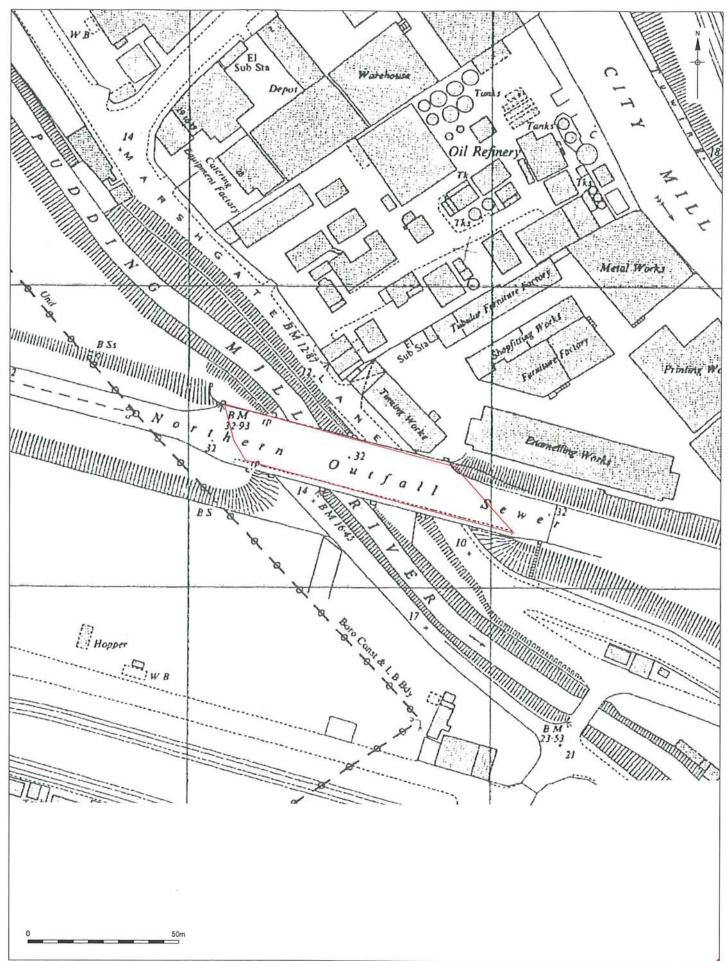


Figure 45 Ordnance Survey map 1913-14: OL-02307 (Greenway Bridge over Marshgate Lane and Pudding Mill Lane) Northern Outfall Sewer 1:1,250



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Figure 46
Ordnance Survey map 1948: OL-02307 (Greenway Bridge over Marshgate Lane and Pudding Mill Lane)
Northern Outfall Sewer
1:1,250



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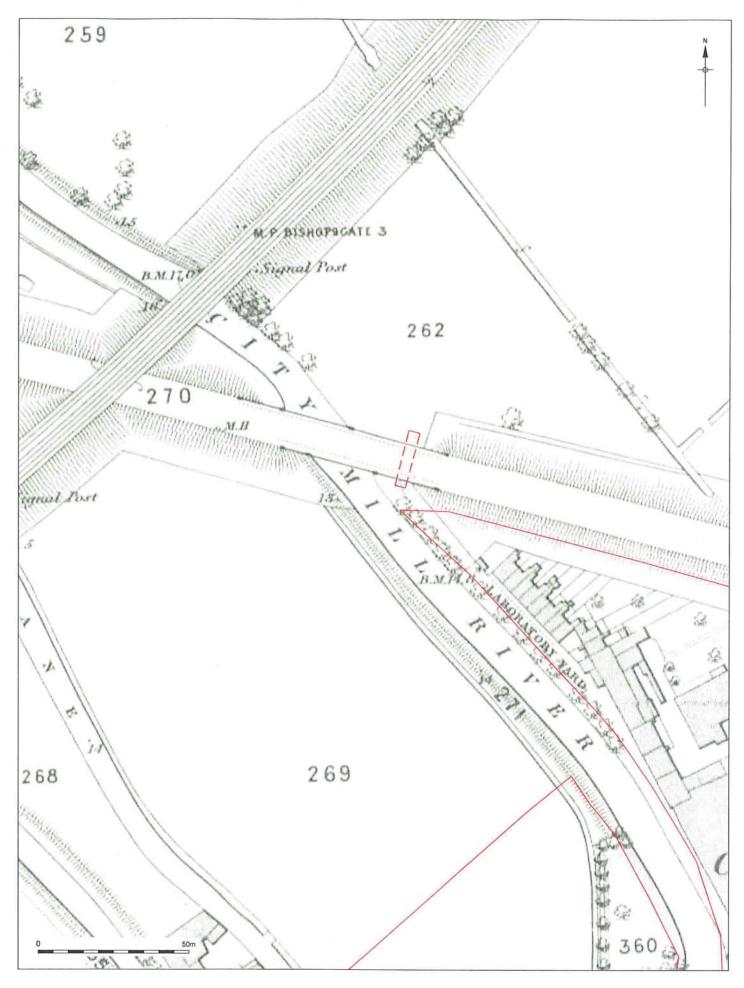


Figure 48 Ordnance Survey map 1867-69: OL-04107 (Pedestrian Subway) Northern Outfall Sewer 1:1,250

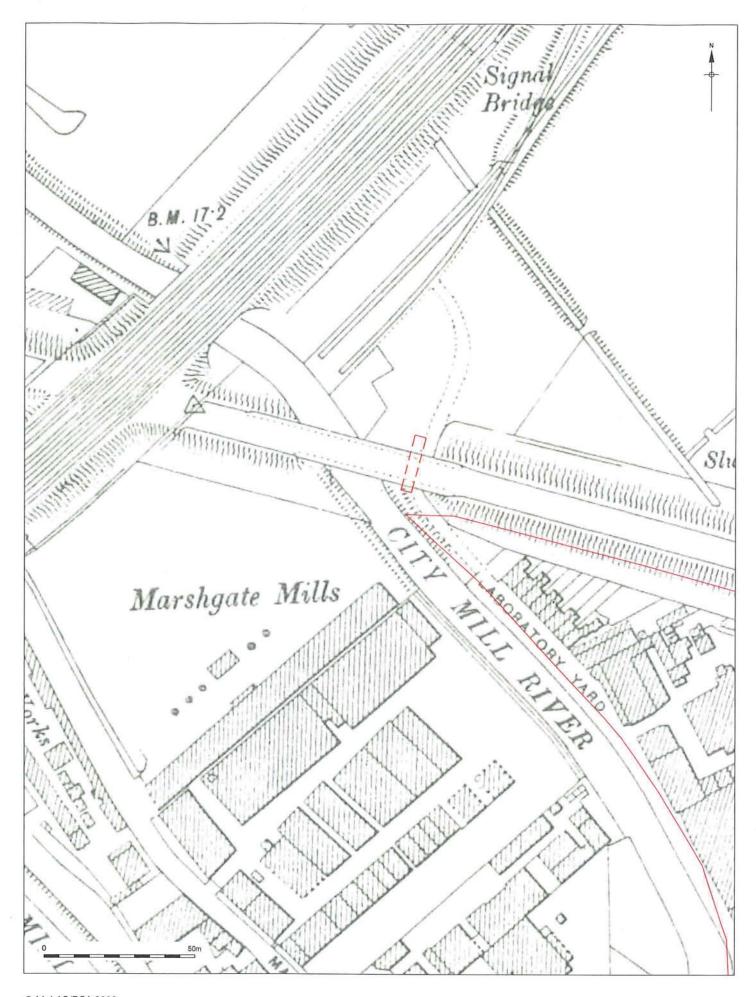


Figure 49 Ordnance Survey map 1894-96: OL-04107 (Pedestrian Subway) Northern Outfall Sewer 1:1,250

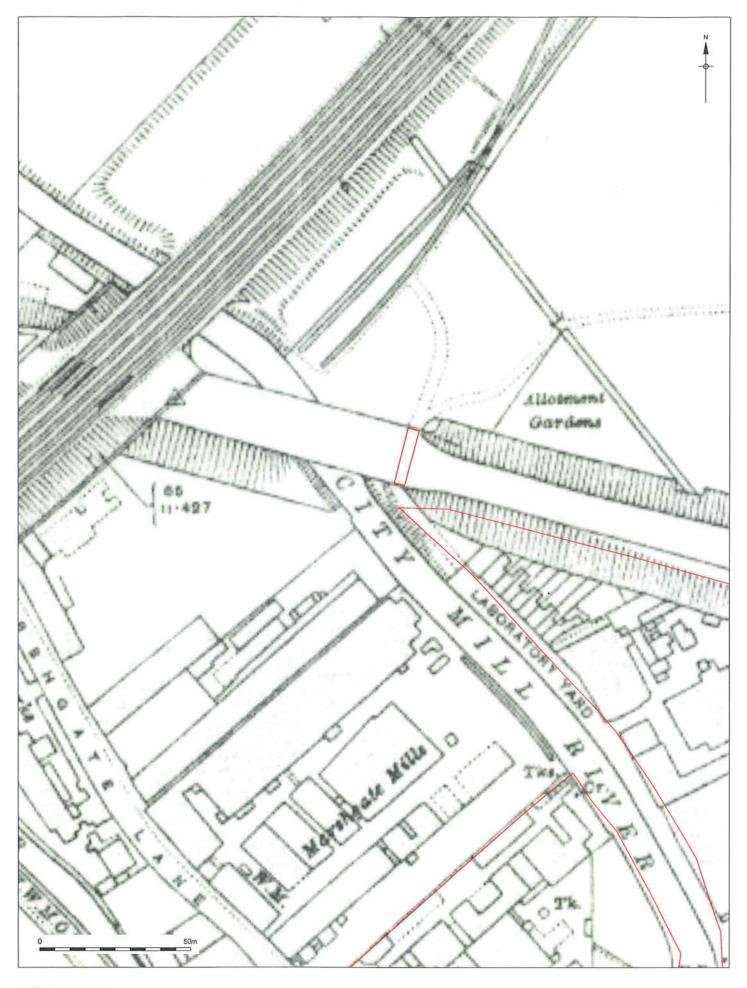
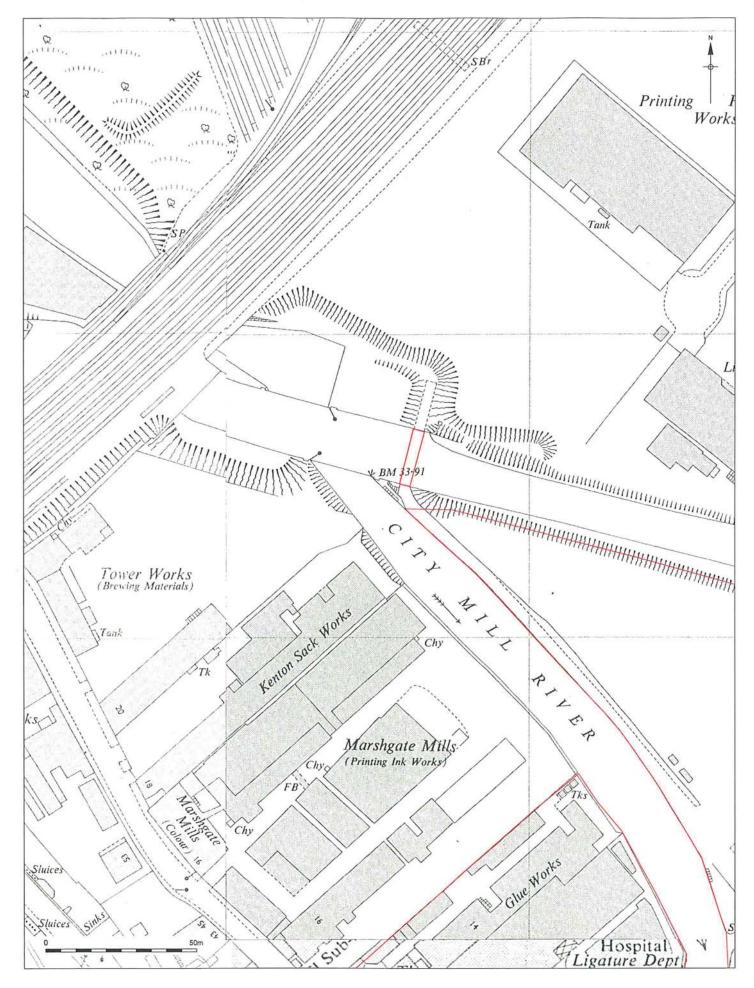
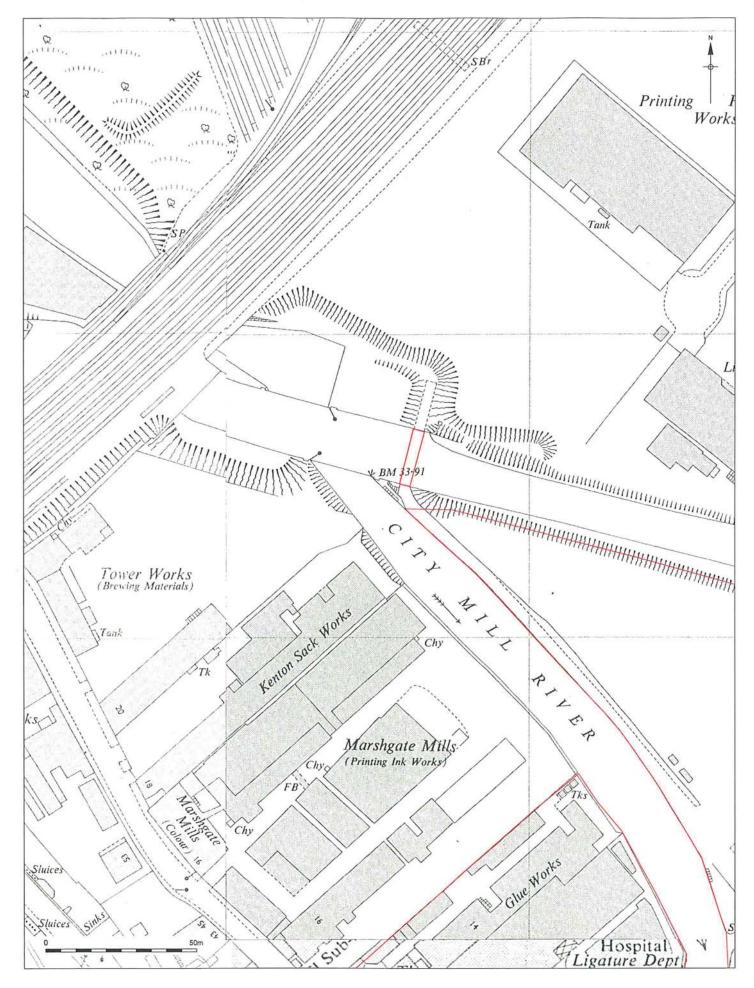


Figure 50 Ordnance Survey map 1913-14: OL-04107 (Pedestrian Subway) Northern Outfall Sewer 1:1,250



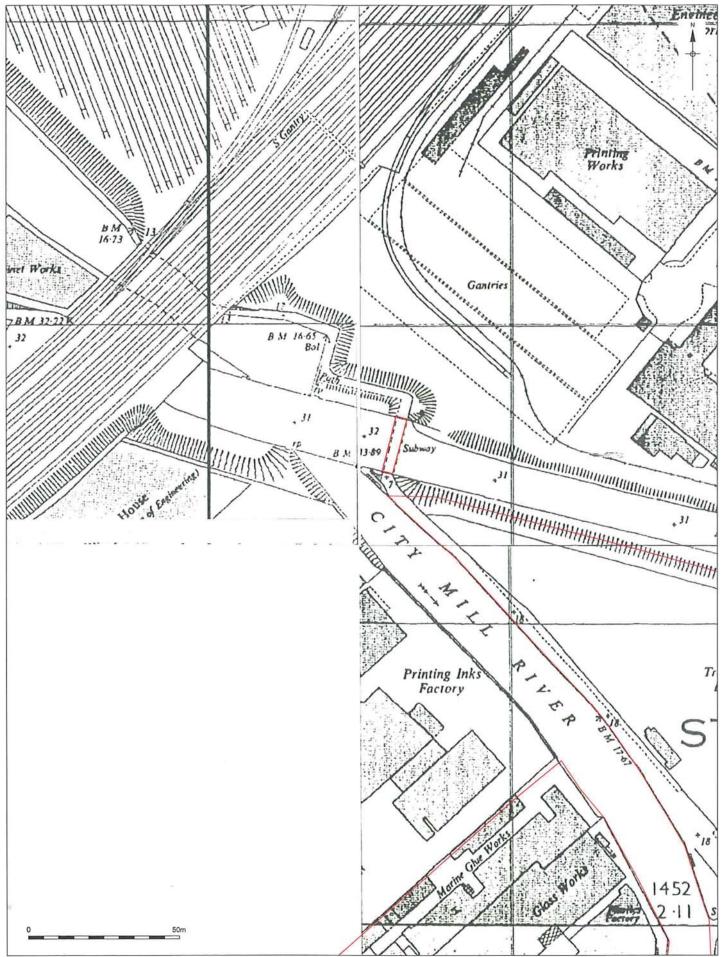
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Figure 51 Ordnance Survey map 1948: OL-04107 (Pedestrian Subway) Northern Outfall Sewer 1:1,250



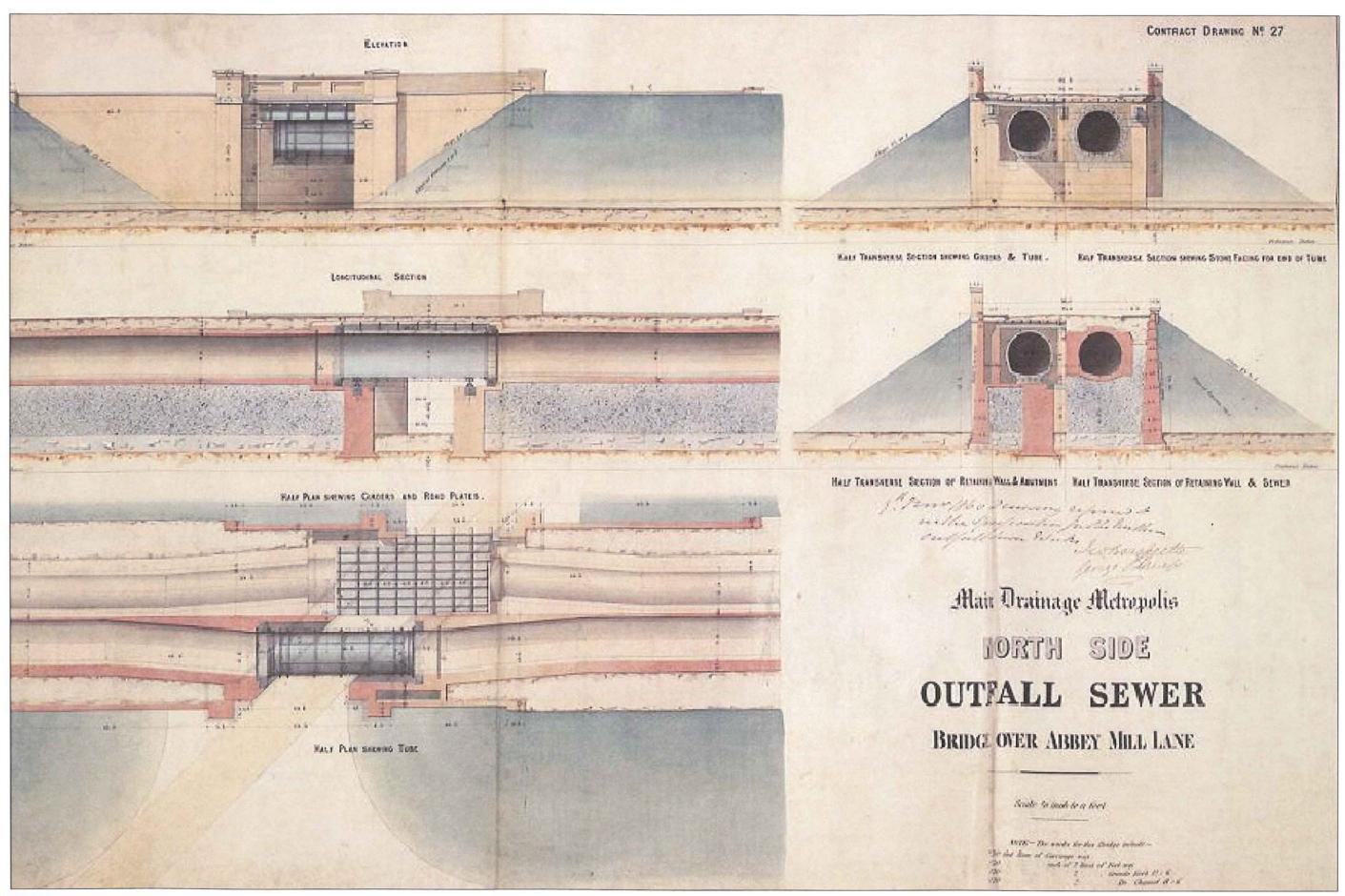
© MoLAS/PCA 2008

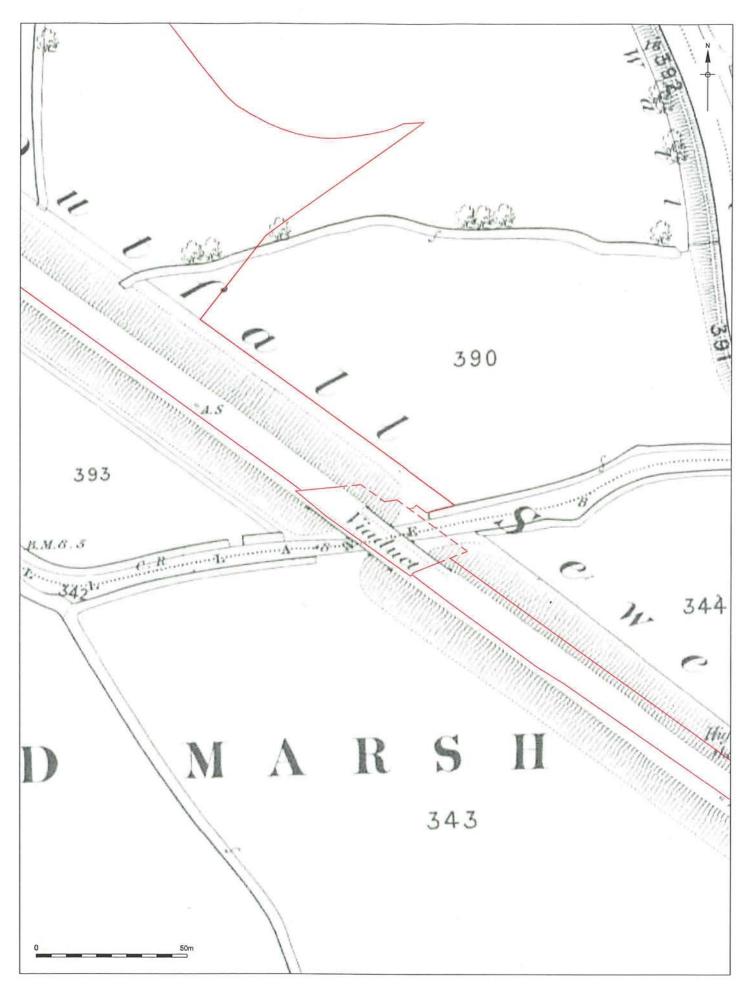
Figure 51 Ordnance Survey map 1948: OL-04107 (Pedestrian Subway) Northern Outfall Sewer 1:1,250



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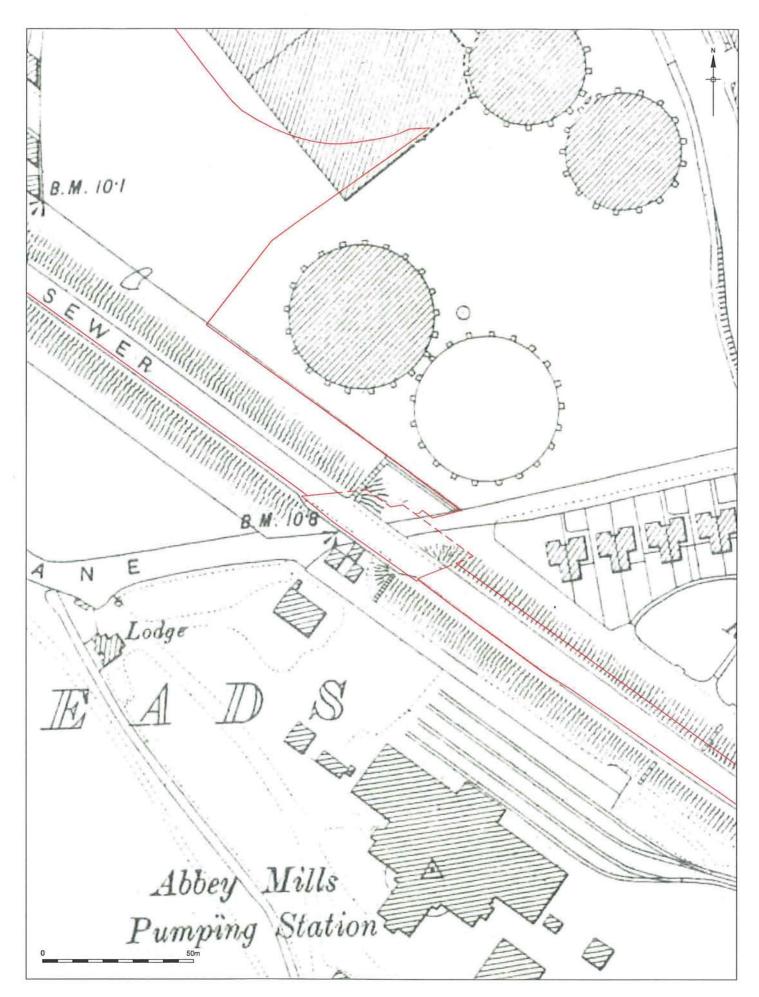
Figure 52 Ordnance Survey map 1960/70s: OL-04107 (Pedestrian Subway) Northern Outfall Sewer 1:1,250





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Figure 54 Ordnance Survey map 1867-69: OL-04507 (Abbey Lane Pedestrian Bridge) Northern Outfall Sewer 1:1,250



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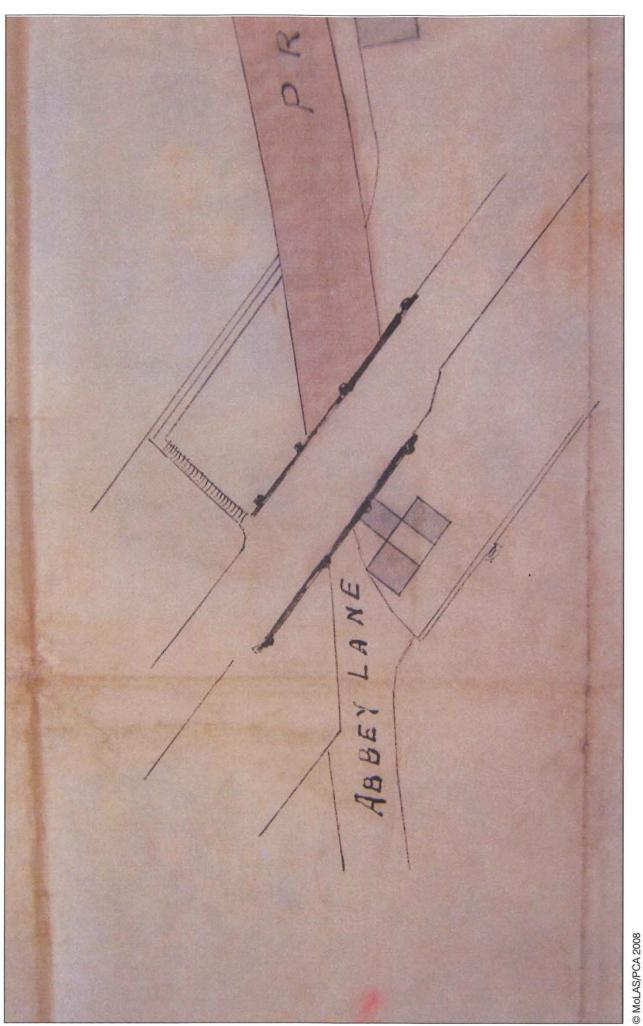


Figure 56 Plan showing Northern Outfall Sewer over Abbey Lane 1900, OL-04507 (Abbey Lane Pedestrian Bridge)
Northern Outfall Sewer not to scale

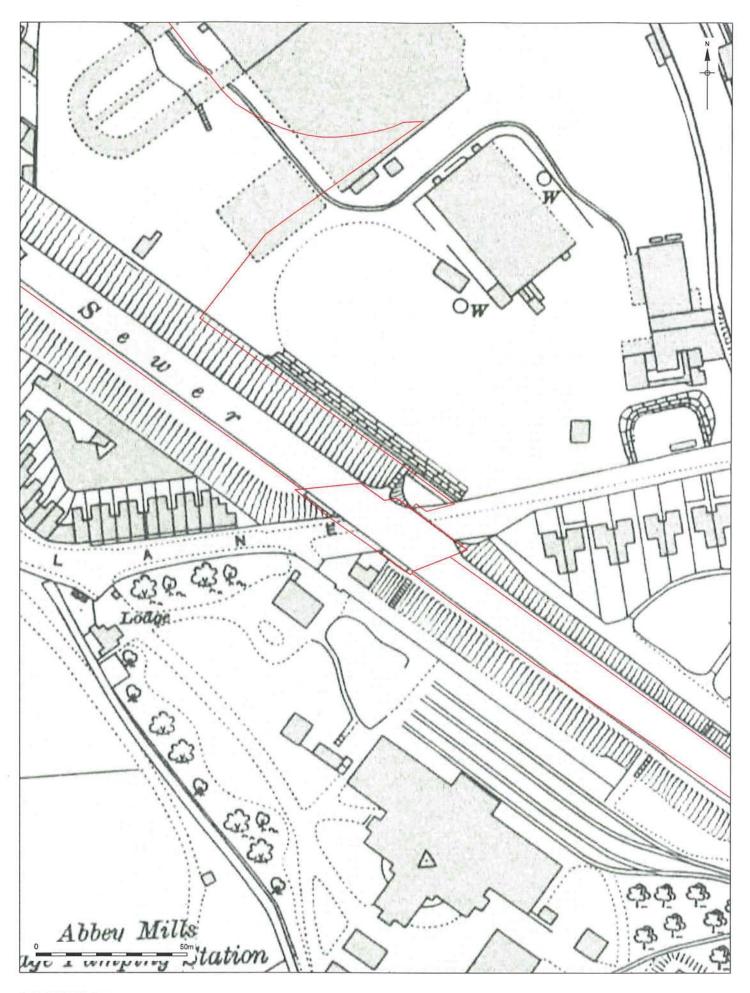


Figure 57 Ordnance Survey map 1913-14: OL-04507 (Abbey Lane Pedestrian Bridge) Northern Outfall Sewer 1:1,250

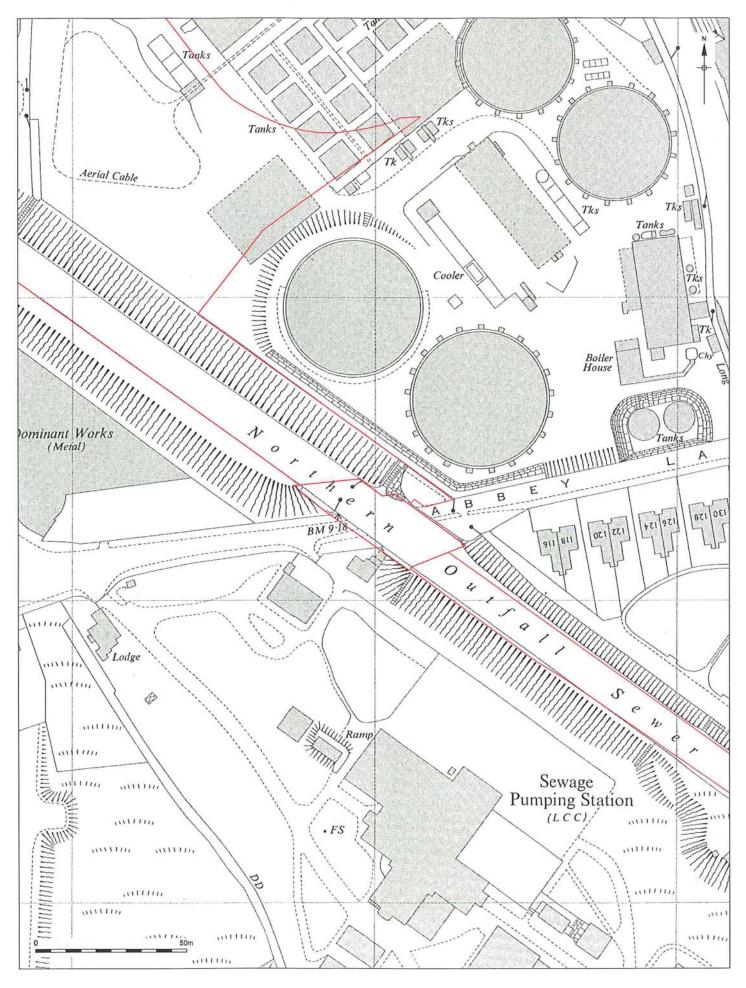
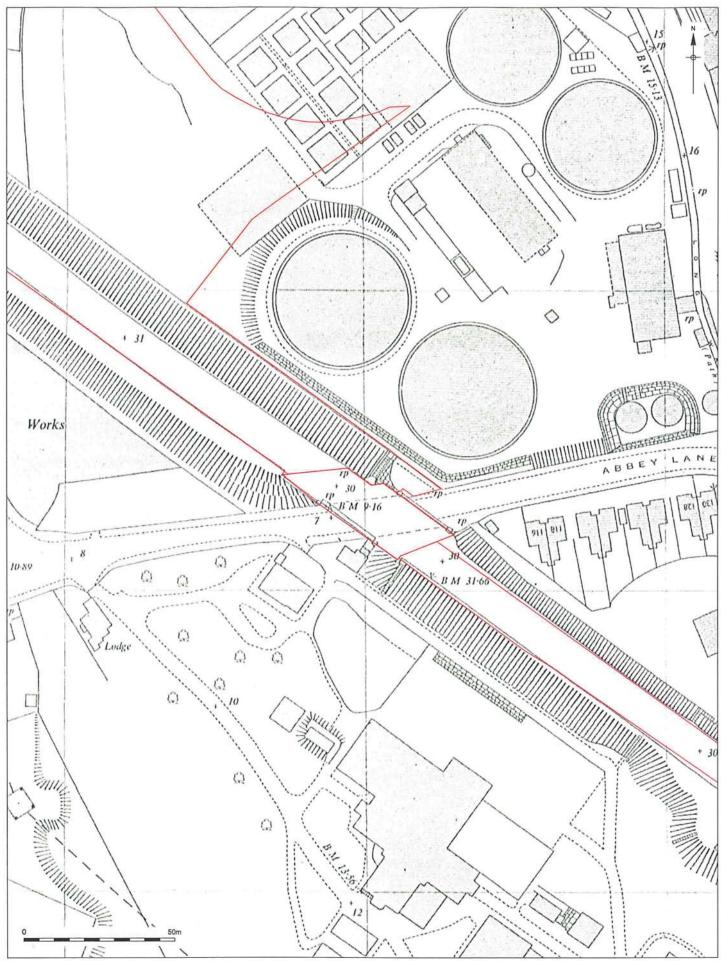


Figure 58 Ordnance Survey map 1948: OL-04507 (Abbey Lane Pedestrian Bridge) Northern Outfall Sewer 1:1,250



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Figure 59
Ordnance Survey map 1970's: OL-04507 (Abbey Lane Pedestrian Bridge)
Northern Outfall Sewer
1:1,250

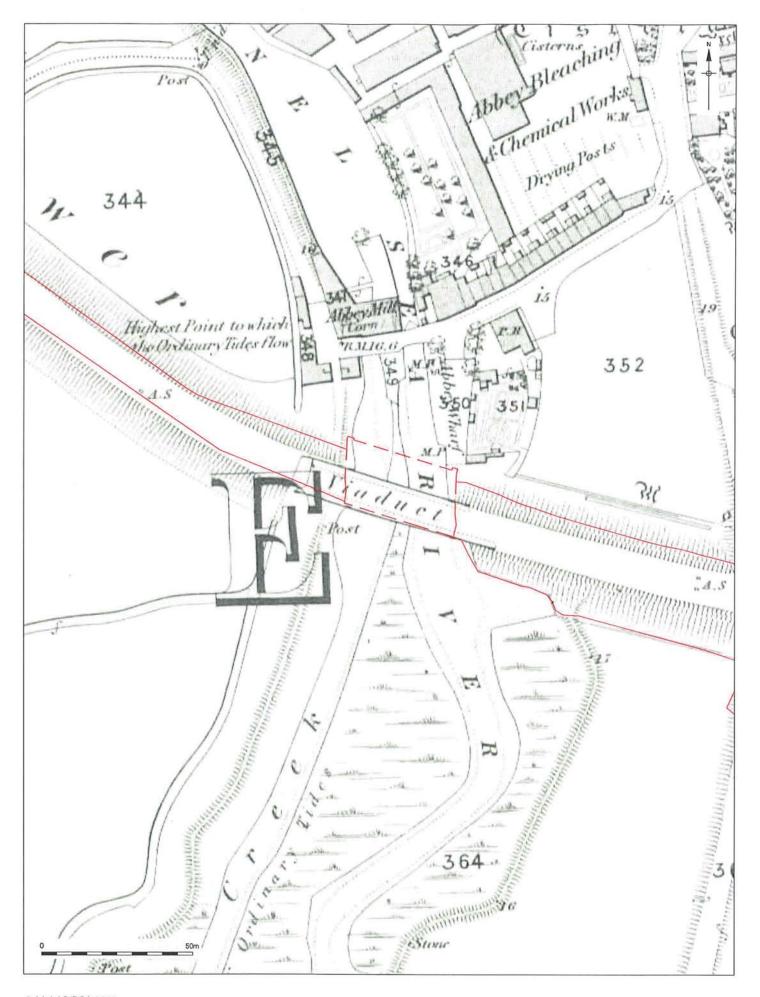
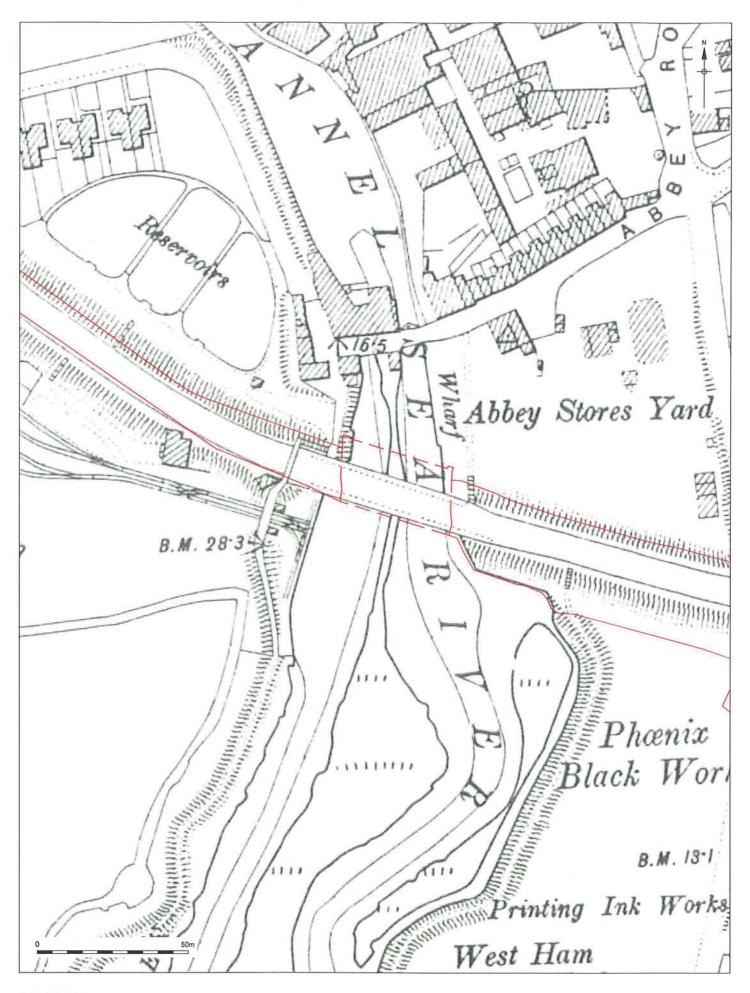


Figure 60 Ordnance Survey map 1867-69: OL-04607 (Pedestrian Bridge Spanning the Channelsea River) Northern Outfall Sewer 1:1,250

Figure 61 Plan of Bridge spanning the Channelsea River 1881, OL-04607 (Pedestrian Bridge spanning the Channelsea River) Northern Outfall Sewer

not to scale



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Figure 62 Ordnance Survey map 1894-96: OL-04607 (Pedestrian Bridge Spanning the Channelsea River) Northern Outfall Sewer 1:1,250

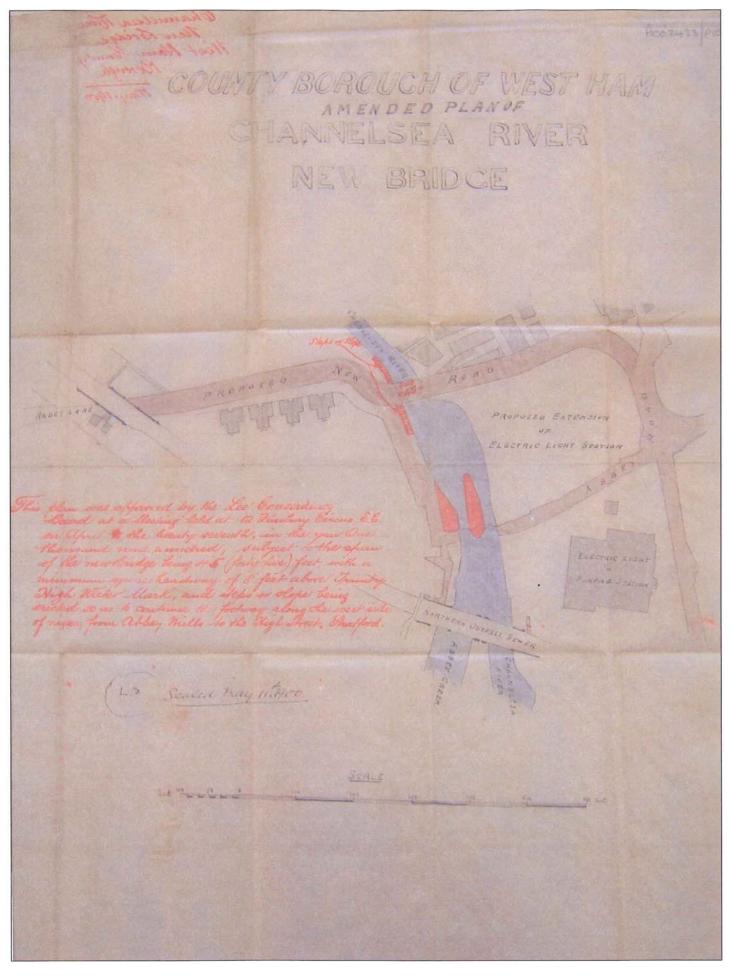
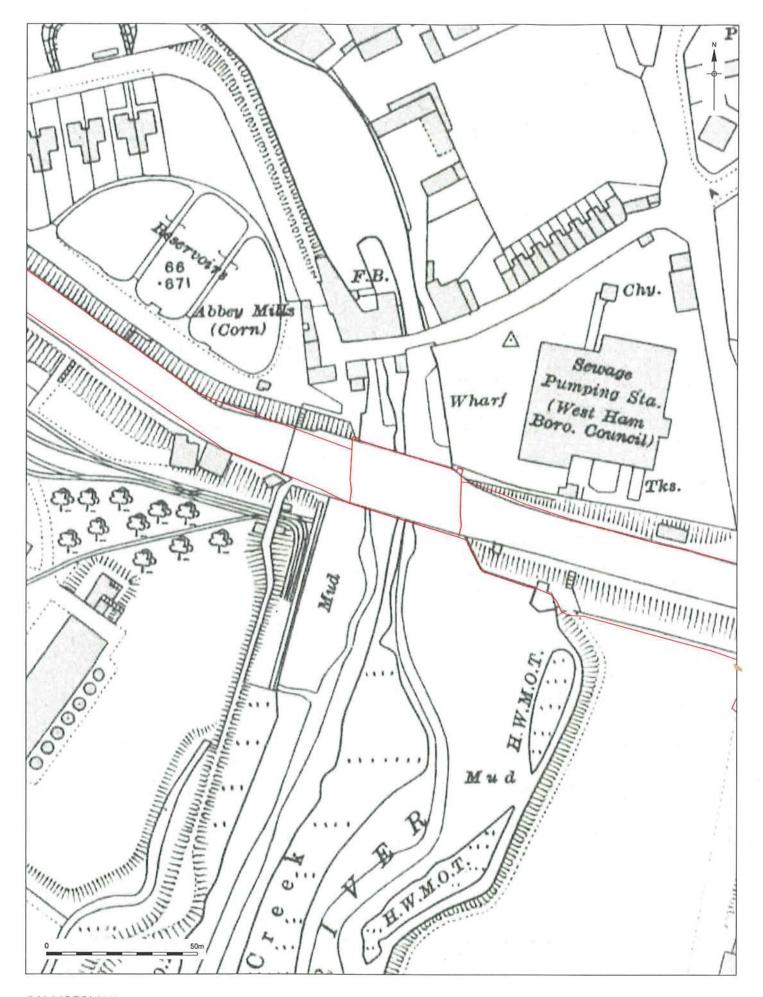
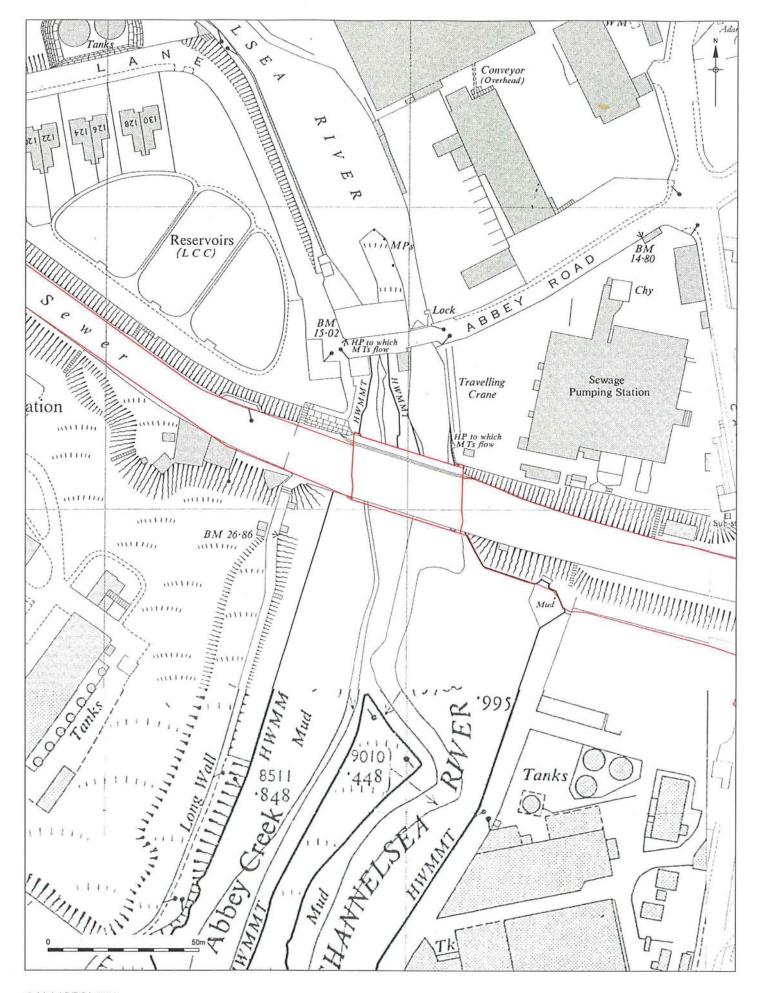


Figure 64 Plan of Channelsea River Bridge showing position of proposed campsheeting protection 1904, OL-04607 (Pedestrian Bridge spanning the Channelsea River) Northern Outfall Sewer not to scale



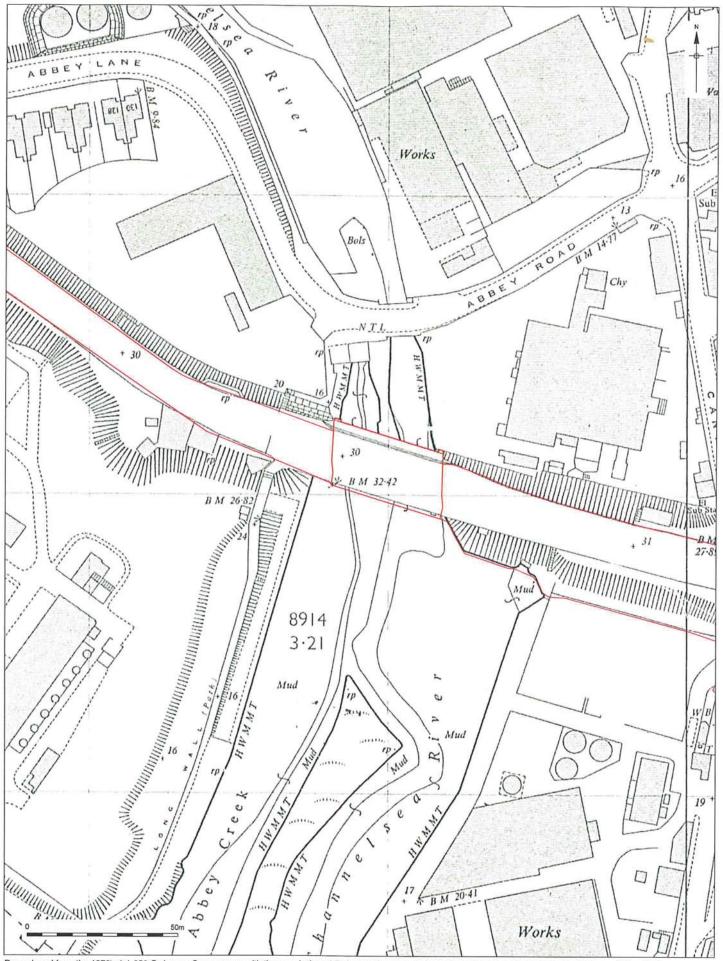
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Figure 65 Ordnance Survey map 1913-14: OL-04607 (Pedestrian Bridge Spanning the Channelsea River) Northern Outfall Sewer 1:1,250



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Figure 66
Ordnance Survey map 1948: OL-04607 (Pedestrian Bridge Spanning the Channelsea River)
Northern Outfall Sewer
1:1,250



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Figure 67 Ordnance Survey map 1970s: OL-04607 (Pedestrian Bridge Spanning the Channelsea River) Northern Outfall Sewer

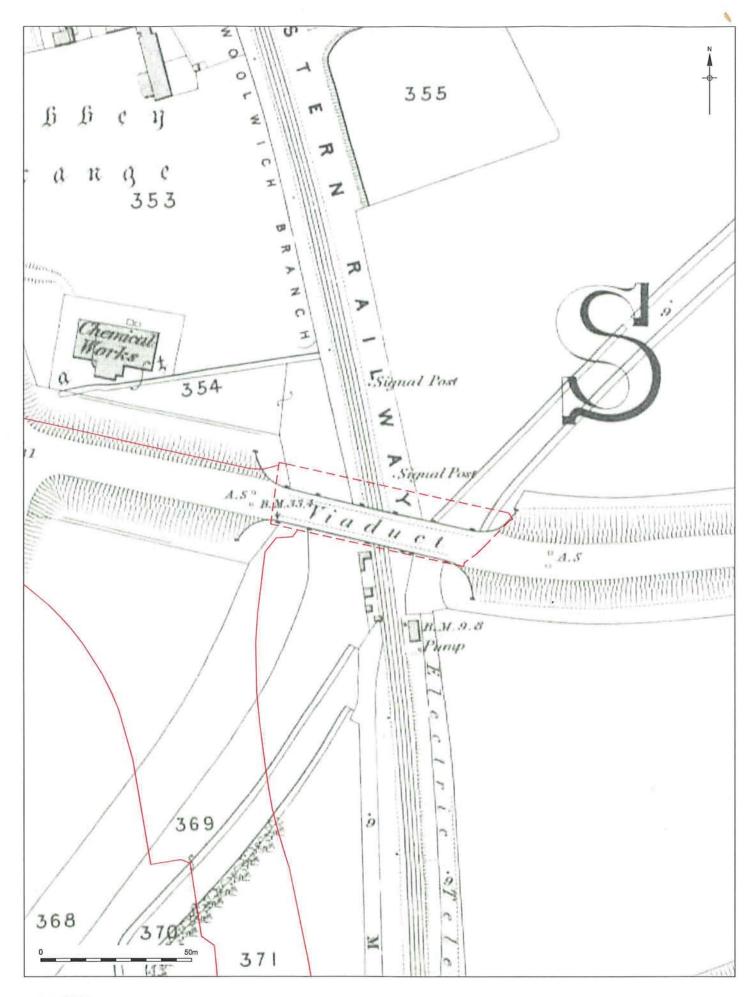


Figure 68 Ordnance Survey map 1867-69: OL-04707 (Pedestrian Viaduct of Outfall Sewer) Northern Outfall Sewer 1:1,250

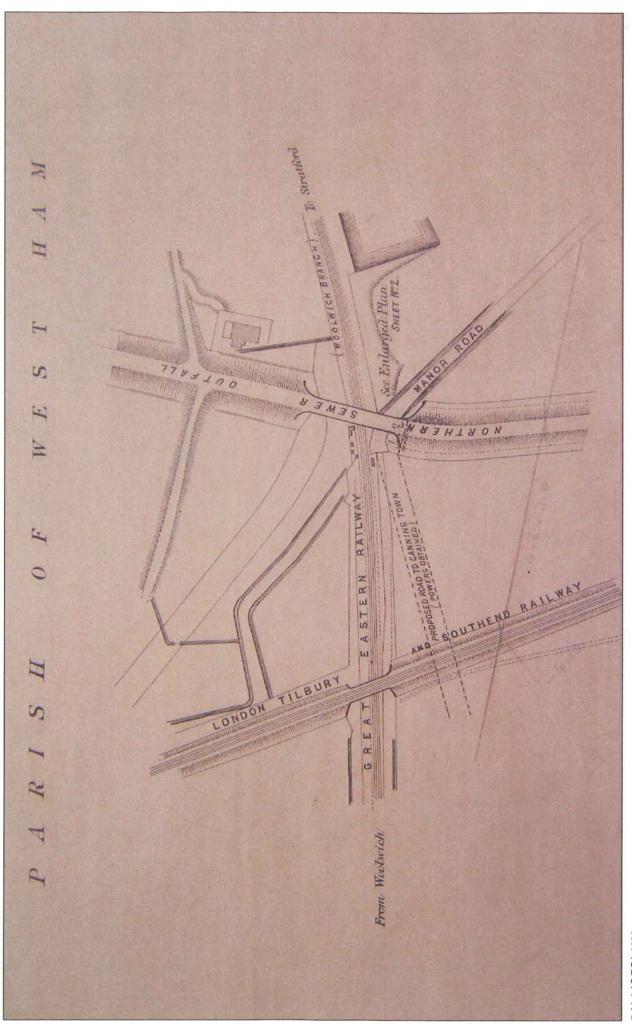


Figure 69
Plan of Pedestrían Viaduct over Manor Road and Woolwich Railway line 1881, OL-04707 (Pedestrían Viaduct of Outfall Sewer)
Northern Outfall Sewer not to scale

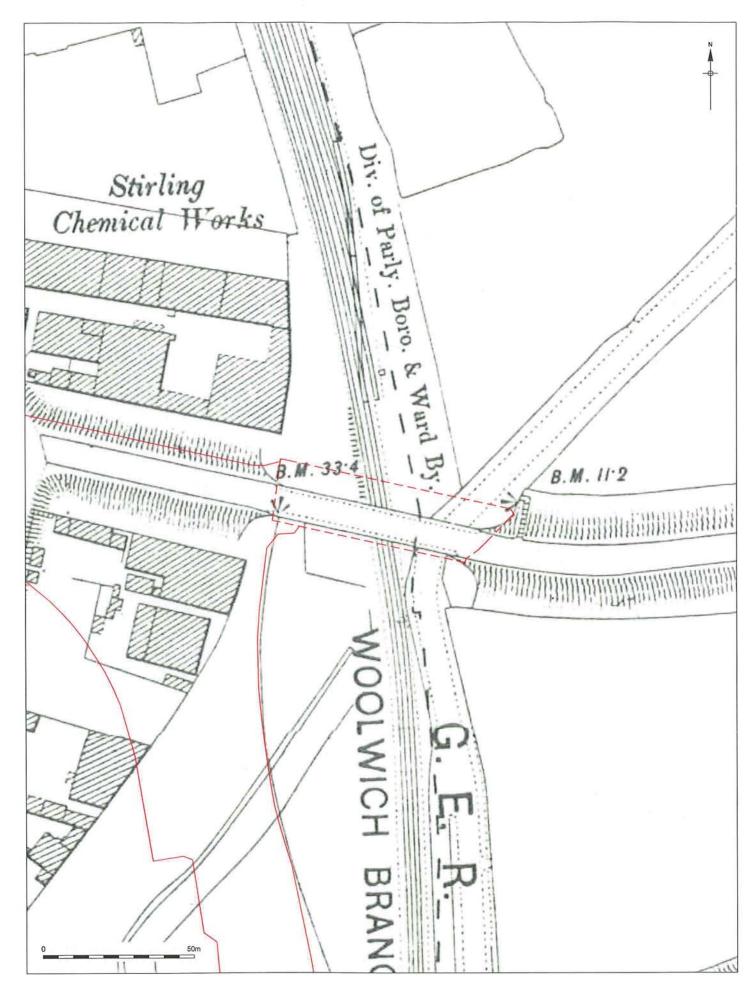


Figure 70 Ordnance Survey map 1894-96: OL-04707 (Pedestrian Viaduct of Outfall Sewer) Northern Outfall Sewer 1:1,250

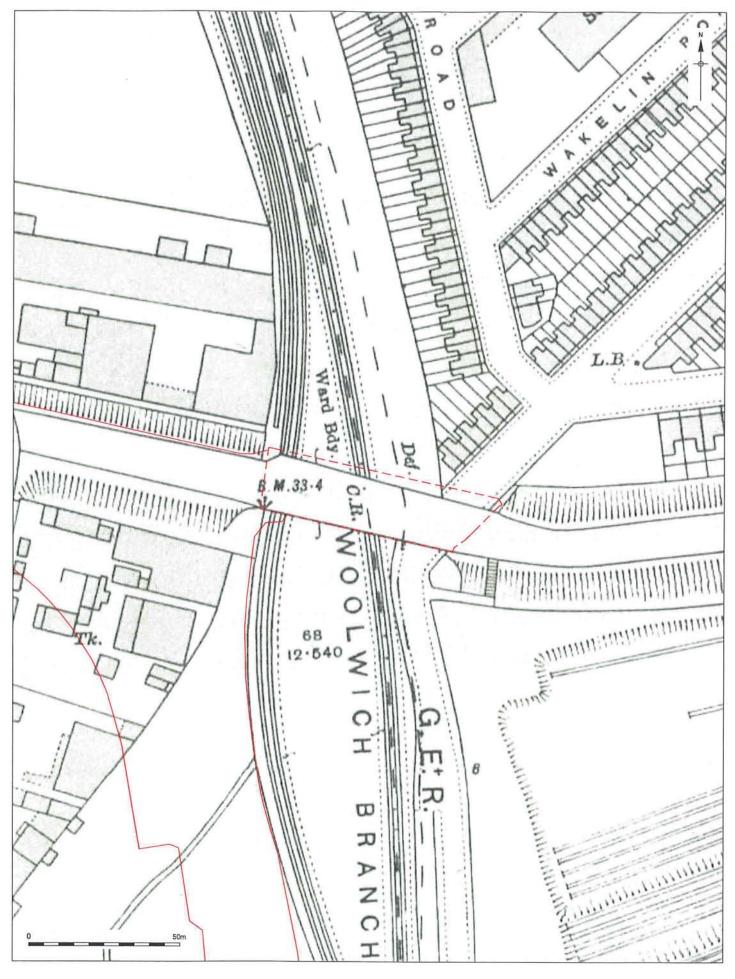


Figure 71 Ordnance Survey map 1913-14: OL-04707 (Pedestrian Viaduct of Outfall Sewer) Northern Outfall Sewer 1:1,250

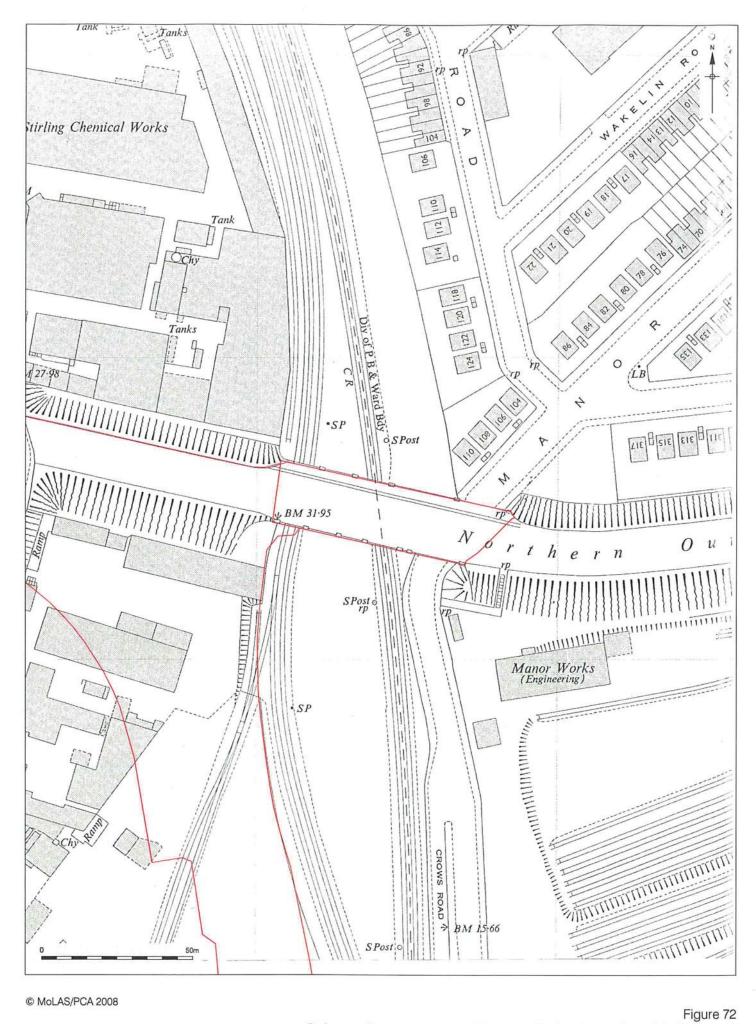
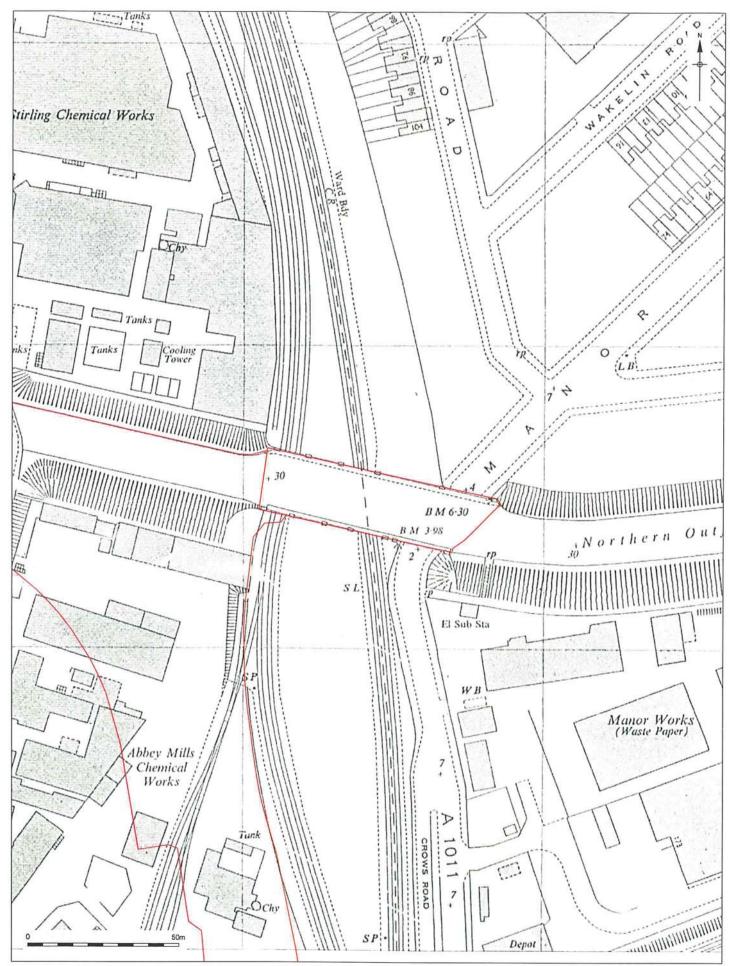


Figure 72 Ordnance Survey map 1948: OL-04707 (Pedestrian Viaduct of Outfall Sewer) Northern Outfall Sewer 1:1,250



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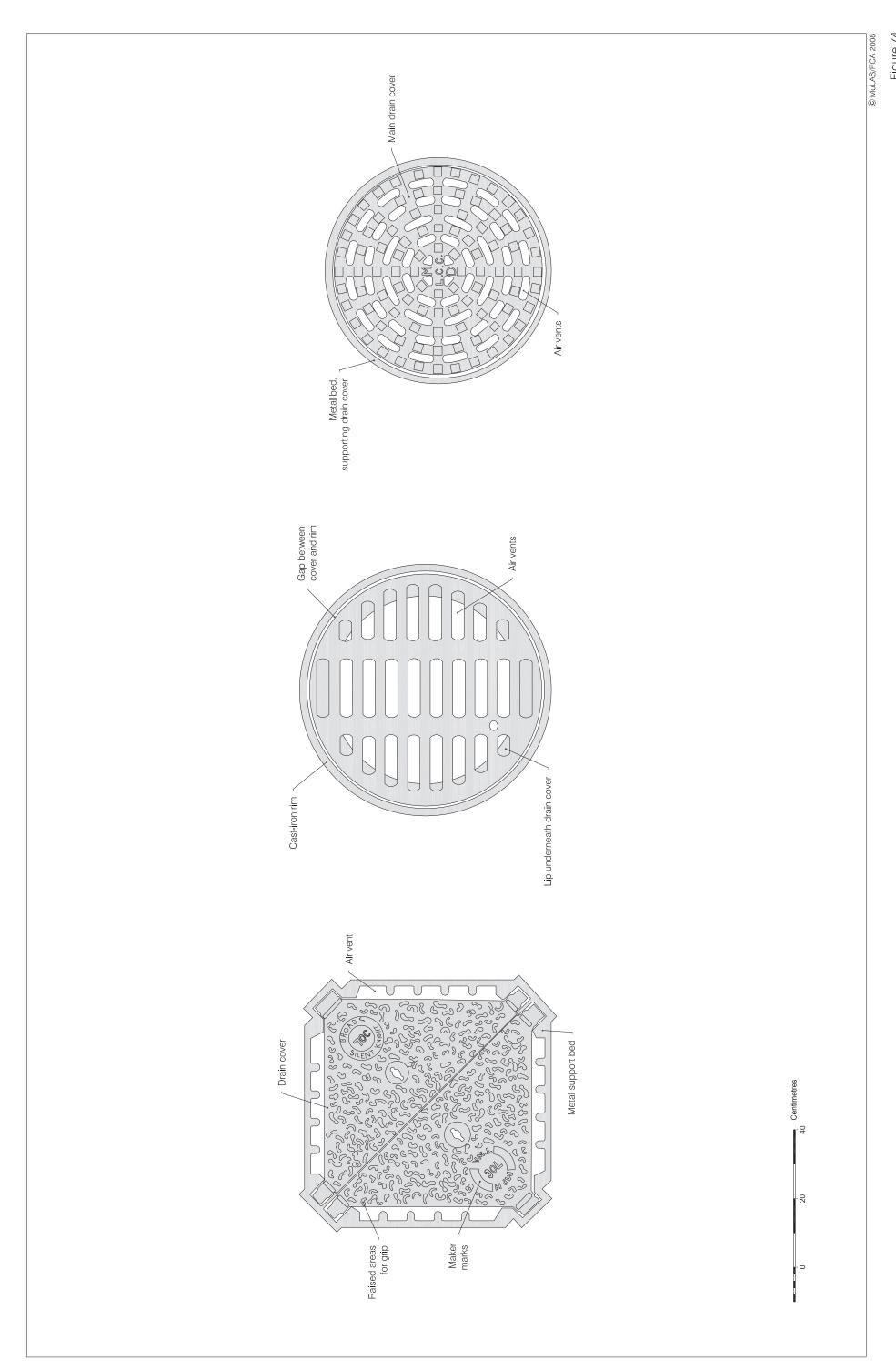


Figure 74
Detailed drawings of drain covers on Greenway: OL-02507
Northern Outfall Sewer

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Figure 75
North-east elevation of Pedestrian Subway: OL-04107
Pedestrian Subway
1:20 at A3

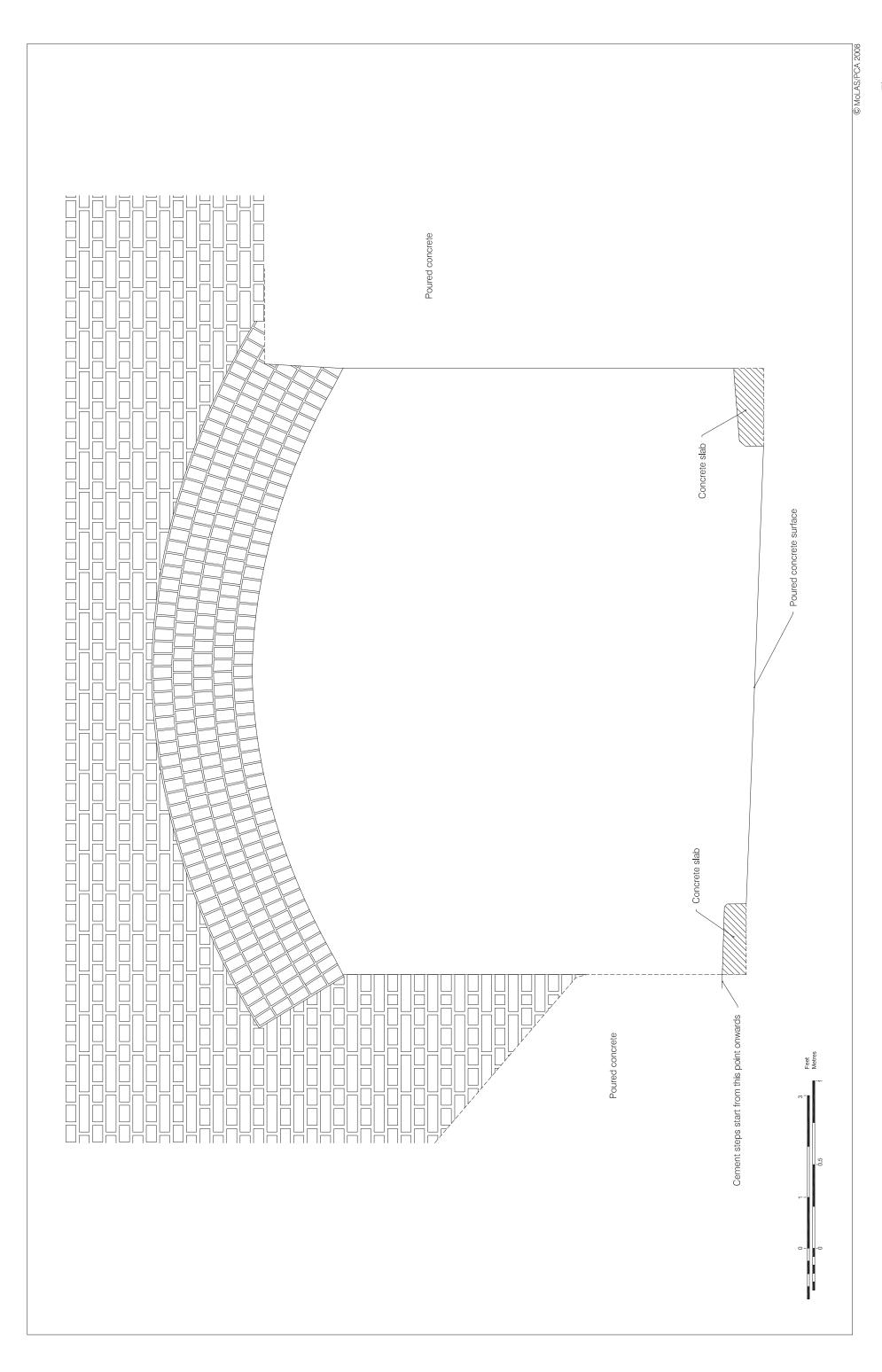
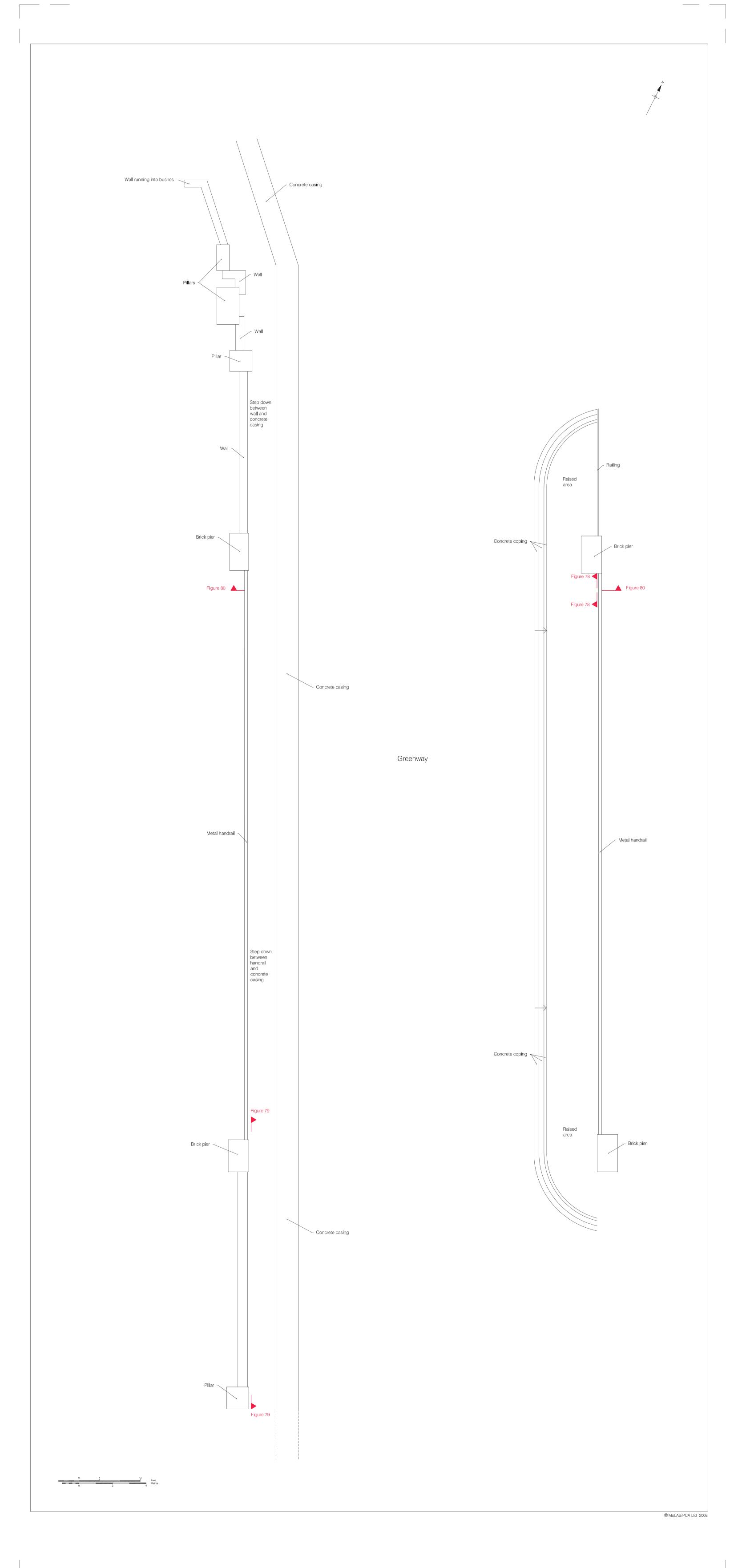


Figure 76 South-west elevation of Pedestrian Subway: OL-04107 Pedestrian Subway 1:20 at A3



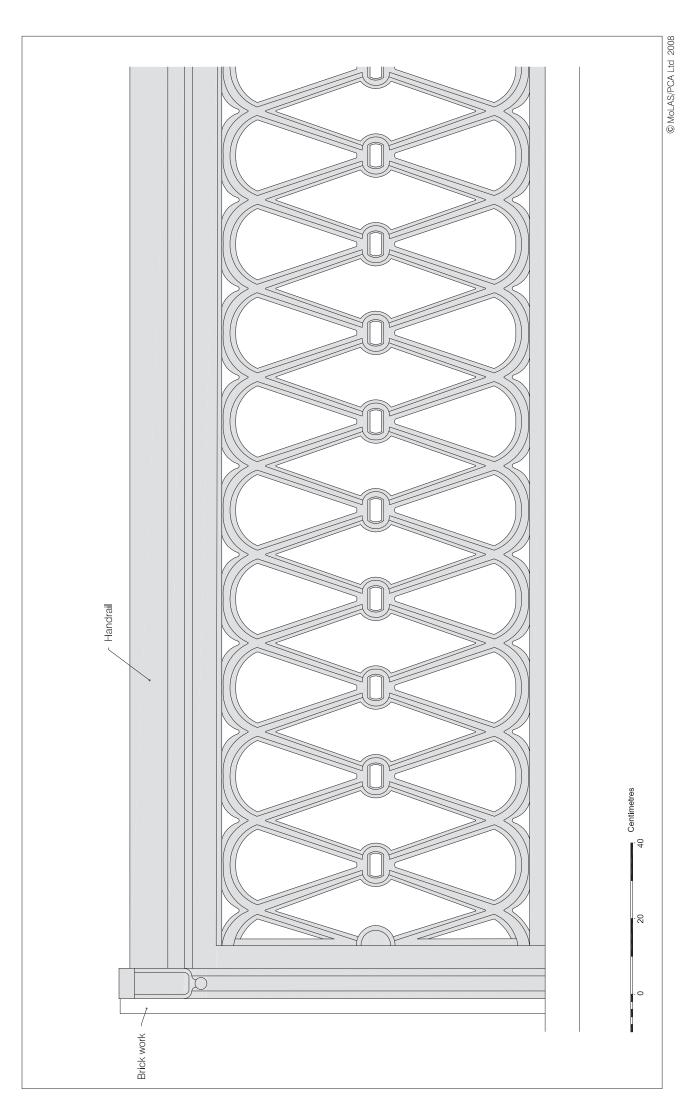


Figure 78
Sample elevation of metal railing on Channelsea Bridge: OL-04607
Pedestrian Bridge spanning the Channelsea River
1:10 at A4

Figure 79
North-east elevation on the south-east end of Channelsea Bridge: OL-04607
Pedestrian Bridge spanning the Channelsea River

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