



## SGN Gasholder Heritage Review: Park Road, Worthing

### Historic Building Recording Report

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**On behalf of:**  
SGN

**National Grid Reference (NGR):** TQ 15243 02979

**AOC Project No:** 23686\_N

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This document has been prepared in accordance with AOC standard operating procedures.

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## Summary

*AOC Archaeology Group was commissioned by SGN to undertake an historic building survey of the redundant gasholder at Park Road, Worthing in West Sussex in advance of its demolition.*

*A gasworks on the Park Road site was established in 1834 after John Bryan from Bryan, Howden & Co, a gas contractor in Southwark, entered into an agreement with Worthing Town Commissioners to supply the town with gas. By the late 19<sup>th</sup> century there were two gasholders on the site, each with a flying lift to cope with the rising demand for gas from consumers. The works then expanded after 1900 with another site at Goring adopted to house another gasholder. By 1912, the earliest gasholder on the site had been taken down and in 1933 the remaining gasholder was completely rebuilt. In 1939 – 1940, demand for more gas led to the construction of the present gasholder – known as Gasholder No 3 – being constructed after the demolition of the gasworks buildings in the corner of Lyndhurst Road and Park Road. A spiral-guided gasholder, it was constructed some 50 years later after this type of gasholder was first used in the 1920s. With three lifts, it has a capacity of approximately 1,649,000ft<sup>3</sup> (46,695m<sup>3</sup>). The other two smaller gasholders (Nos 1 and 2) were not demolished until the late 20<sup>th</sup> century.*

*A further phase of works (Phase II) is required on Gasholder No 3 during the demolition process to record the interior of the structure, the results of which will be incorporated into this report to create a final report on the structure.*

## 1 INTRODUCTION

### 1.1 Project Background

1.1.1 AOC Archaeology Group was commissioned by SGN to undertake a survey of a redundant gasholder at Park Road in Worthing, West Sussex. The work has been undertaken in advance of a wider programme involving the decommissioning and dismantling of the remaining redundant gasholders in the UK operated by SGN. This interim report comprises the results of the Phase I works, undertaken prior to demolition, consisting of a photographic and a written record. A further Phase II works will be undertaken during the demolition process to record the interior of the holder.

### 1.2 Site Location

1.2.1 The gasholder at Park Road, Worthing is located at NGR: TQ 15243 02979 (Figures 1 & 2). It is situated in a gated compound at the junction of Lyndhurst Road and Park Road. Large car parks are situated to the south-east and south-west of the site associated with the surrounding industrial estate and Waitrose supermarket.

## 2 OBJECTIVES

2.1 The objective of the historic building survey was to create a 'preservation by record' of the redundant gasholder immediately prior to its decommissioning through archive research, written and photographic survey.

## 3 METHODOLOGY

### 3.1 Introduction

3.1.1 The historic building recording has been undertaken to a brief provided by Montagu Evans (2017) and included archive research for early or original plans and elevations of the gasholder together with an on-site written and photographic record.

### 3.2 Archive Research

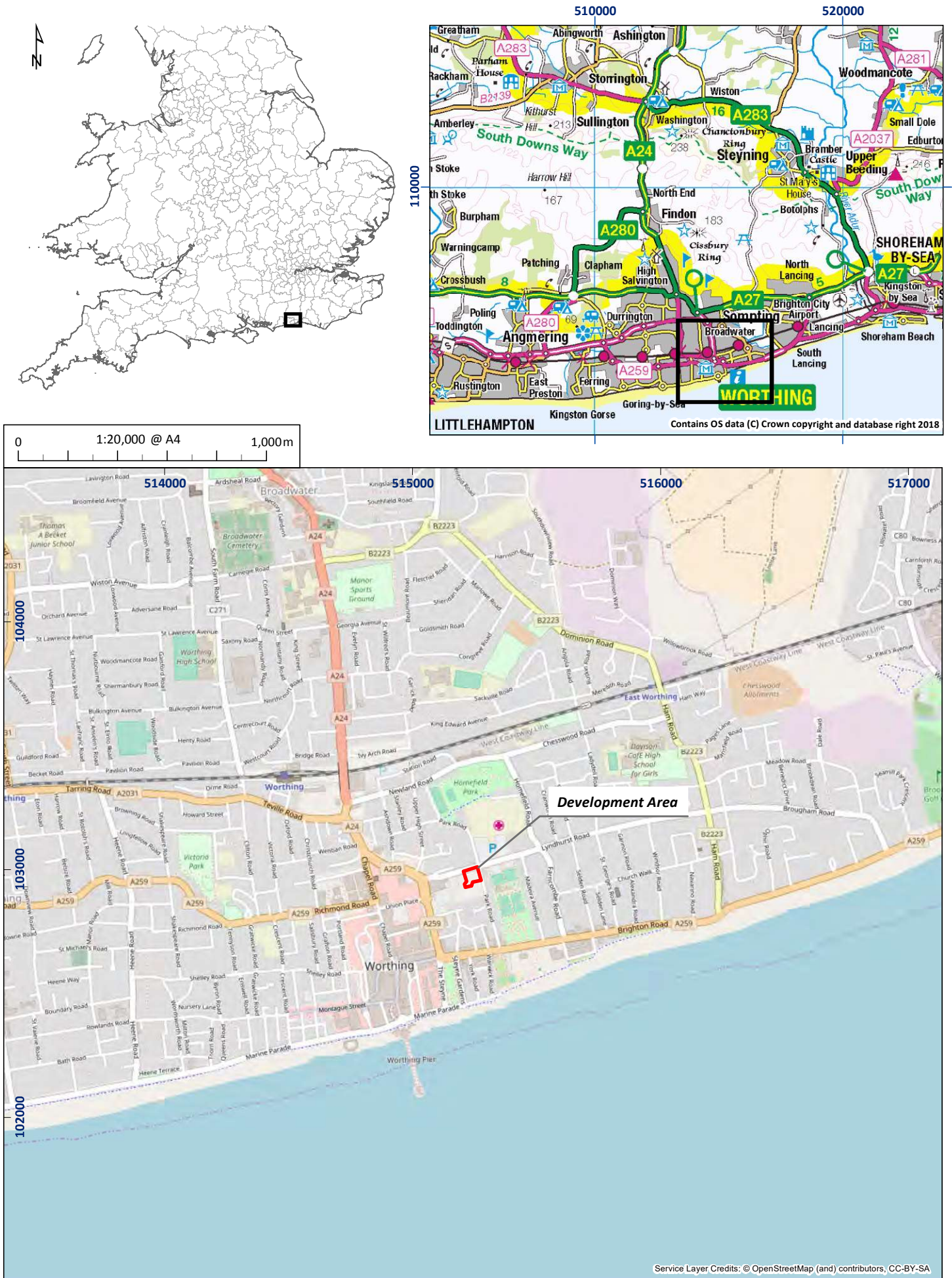
3.2.1 A general map-regression exercise was undertaken on the site to determine the general history and development of the gasholder. All publicly accessible pre-Ordnance Survey maps and Ordnance Survey maps were viewed, and a selection have been included in this report (Figures 4 - 7).

3.2.2 The following archives were consulted to identify early/original archives and drawings of the site/gasholder:

- Historic England Archives (Aerofilm collection 1919 – 1953)
  - no records (drawn or photographic) of the gasholder are known to exist in these archives.
- National Archives at Kew
  - no records (drawn or photographic) of the gasholder are known to exist in these archives.
- National Monuments Record (Swindon)
  - no records (drawn or photographic) of the gasholder are known to exist in these archives.
- National Gas Archive, Warrington
  - Several archive sources were located and obtained in this archive, which are listed in Section 7, and illustrated in Section 4.

### 3.3 Photographic record

3.3.1 A general exterior photographic survey was undertaken of the gasholder and ancillary gasworks buildings in colour digital using a digital SLR camera using both .JPG and .RAW format. In addition to general shots of the structure, detail shots of features such as structural elements, pipework, stairs, guided rollers, etc, were also taken. A discreetly placed 1m or 2m ranging pole was placed in all shots where access and health and safety allowed for scale. A register of photographs was taken on site and can be found in Appendix 1, together with



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Figure 1: Site location plan

01/23686/REP/01/01

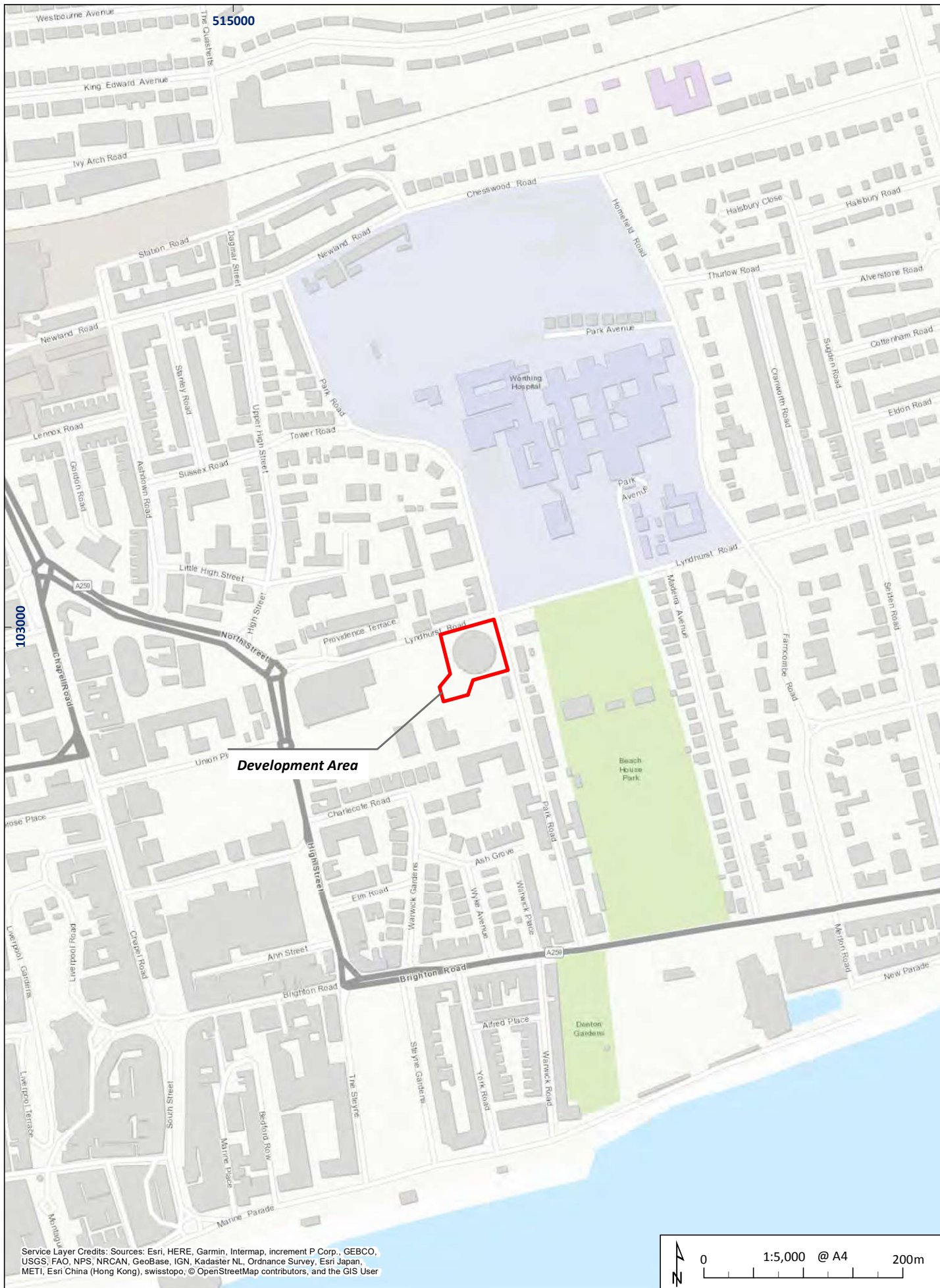


Figure 2: Detailed site plan

01/23686/REP/02/01



a plan showing the position and direction of each photograph. A selection of digital photographs has also been used as plates to illustrate this report (1 – 33).

### 3.4 Written record

- 3.4.1 A written survey was undertaken of the exterior of the gasholder using AOC *pro forma* recording sheets with comment on condition, construction, features, fixtures and fittings, modern interventions, evidence for phasing and function and anything else pertinent to the historic record.

## 4 RESULTS

### 4.1 Historical Background

- 4.1.1 A gasworks on the Park Road site was established in 1834 after John Bryan from Bryan, Howden & Co, a gas contractor in Southwark, entered into an agreement with Worthing Town Commissioners to supply the town with gas. Land was purchased on the present site, and the Works were bought the following year by a syndicate who eventually became the Worthing Gas Light and Coke company (Stephenson 1931, 68). 250 tons of coal was burned in retort houses and stored in a small holder 24ft (7.3m) in diameter and 8ft (2.43m) in depth containing 3,500ft<sup>3</sup> (99.1m<sup>3</sup>) of gas. A drawing of the original works is included in Stephenson's 1931 history of the works, and is reproduced here in Figure 3. The tank of the original holder was discovered in the late 1920s, and a limekiln also stood on the site (seen to the right of the picture), although due to problems being able to lease it, it was removed and a manager's office put in its place (*ibid*). Coal was originally purchased through a local firm of wine and spirit merchants brought in from the Tyne in flat-bottomed boats beached at high tide at Worthing pier.

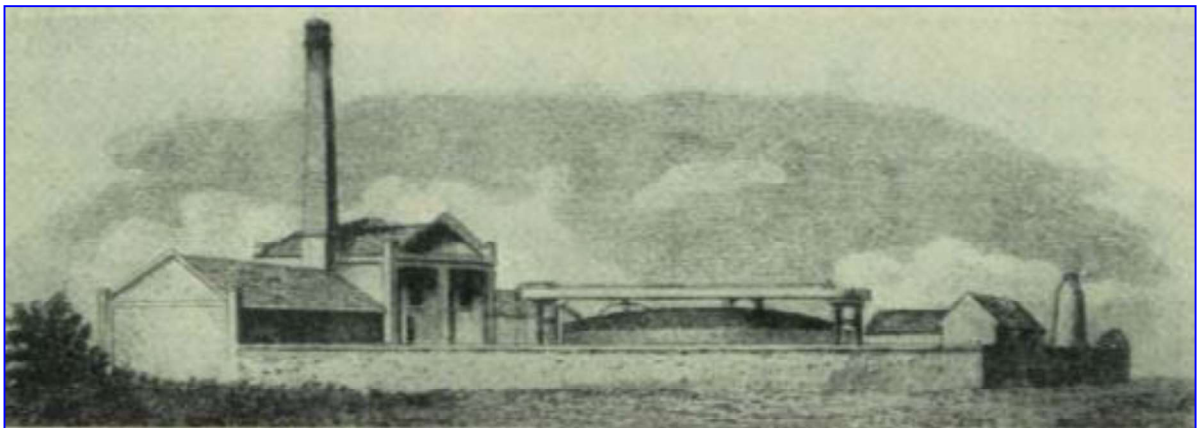


Figure 3: Pictorial representation of the original 1830s gasworks at Worthing, after Stephenson 1931, 70

- 4.1.2 The Ordnance Survey map of 1879 shows a small discreet gasworks with a large gasholder to the west of a large gasworks building (probably the retort house) and another much smaller holder to the east (Figure 4). This holder was built in 1862, although was too small by 1898 and was therefore dismantled and covered over, the space converted into a liquor tank. By 1899, there were two holders on the site; a new holder was built to the west side of the original. Both were extended with flying lifts, as by 1900 the annual gas supply had reached 114 million ft<sup>3</sup> (3,228,121m<sup>3</sup>) (Stephenson 1931, 6; Figure 5). Further land was purchased in the early 1900s and the works expanded, with another site at Goring also adopted for another gasholder to increase capacity.
- 4.1.3 The gasholders remained into the early 20<sup>th</sup> century, with the 1912 Ordnance Survey map showing an additional gasworks building constructed to the east and a large amount of residential development to the south of the site (Figure 6). The liquor tank on the site of the earlier 1860s gasholder had also been removed. In 1929, the middle lift of Gasholder No 2 was re-sheeted and repaired (Stephenson 1931). In 1930, the growth of the business meant that a new site was necessary to expand the Works, and eventually gas was to

become supplied by the Brighton Works at Portslade. The company then became the Brighton Hove and Worthing gas Company (*ibid*, 48).



Figure 4: Extract from Ordnance Survey map, 1879

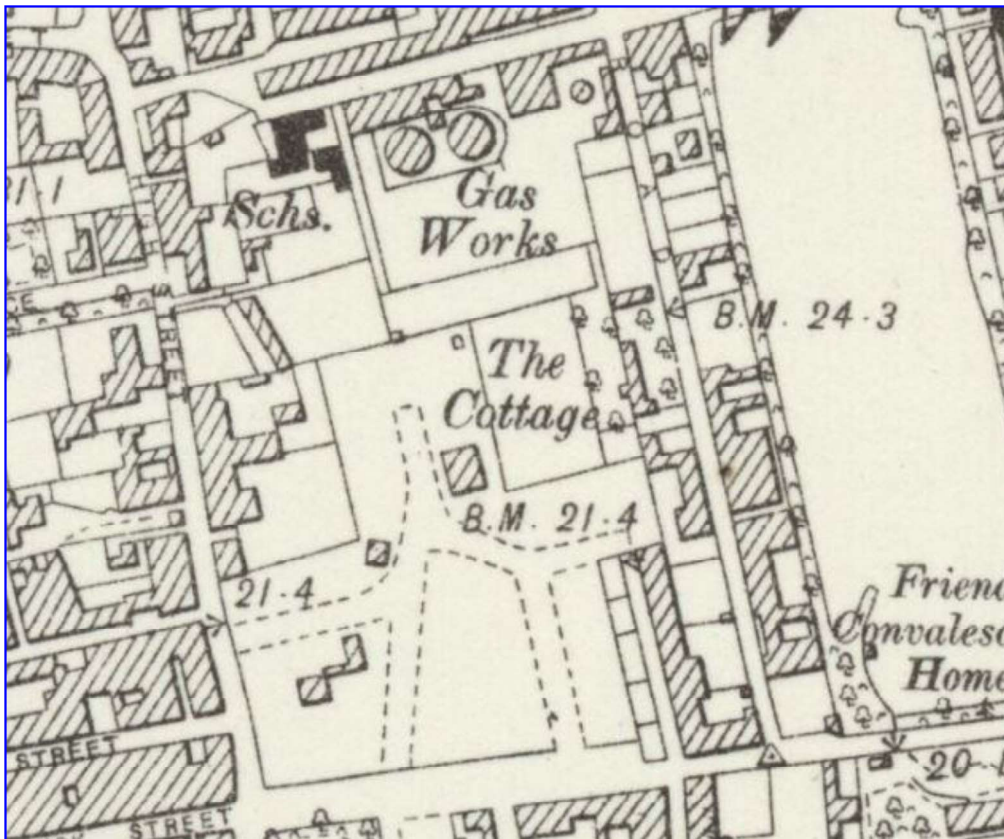


Figure 5: Extract from Ordnance Survey map, 1899

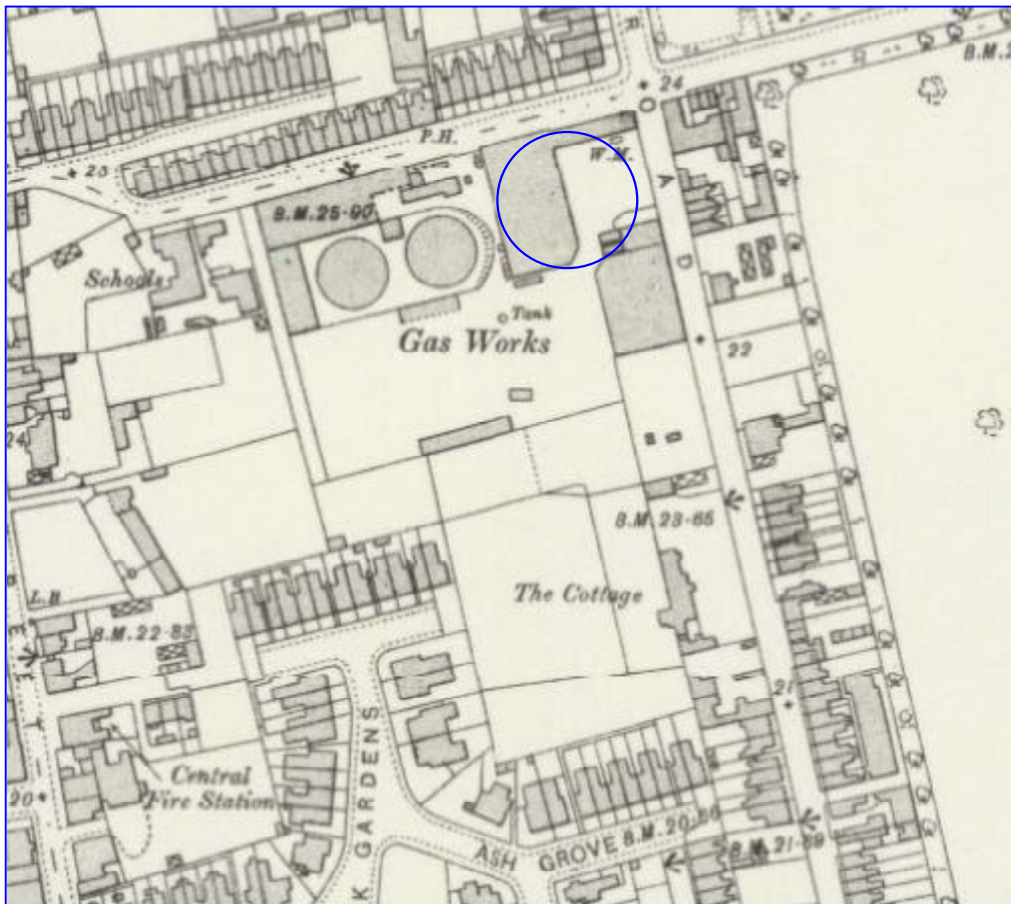


Figure 6: Extract from Ordnance Survey map, 1912 – the future position of Gasholder No 3 is outlined in blue



Figure 7: Extract from Ordnance Survey map, 1947

4.1.4 In 1933, Gasholder No 1 was completely rebuilt and in 1939 – 1940, demand for more gas led to the construction of the present gasholder – known as Gasholder No 3 – being constructed after the demolition of the large gasworks buildings in the corner of Lyndhurst Road and Park Road. This is depicted for the first time on the 1947 Ordnance Survey map (Figure 7). This spiral-guided gasholder was built around 50 years after the first of its type was constructed, so followed a long-held tradition after the introduction of the type from the 1920s onwards. With three lifts, it has a capacity of approximately 1,649,000ft<sup>3</sup> (46,695m<sup>3</sup>) (ME 2017). The other two smaller gasholders (Nos 1 and 2) were not demolished until the late 20<sup>th</sup> century and an archive plan from the late 1960s shows the arrangements of the three gasholders on the site and the associated pipework at this time (Figure 8).

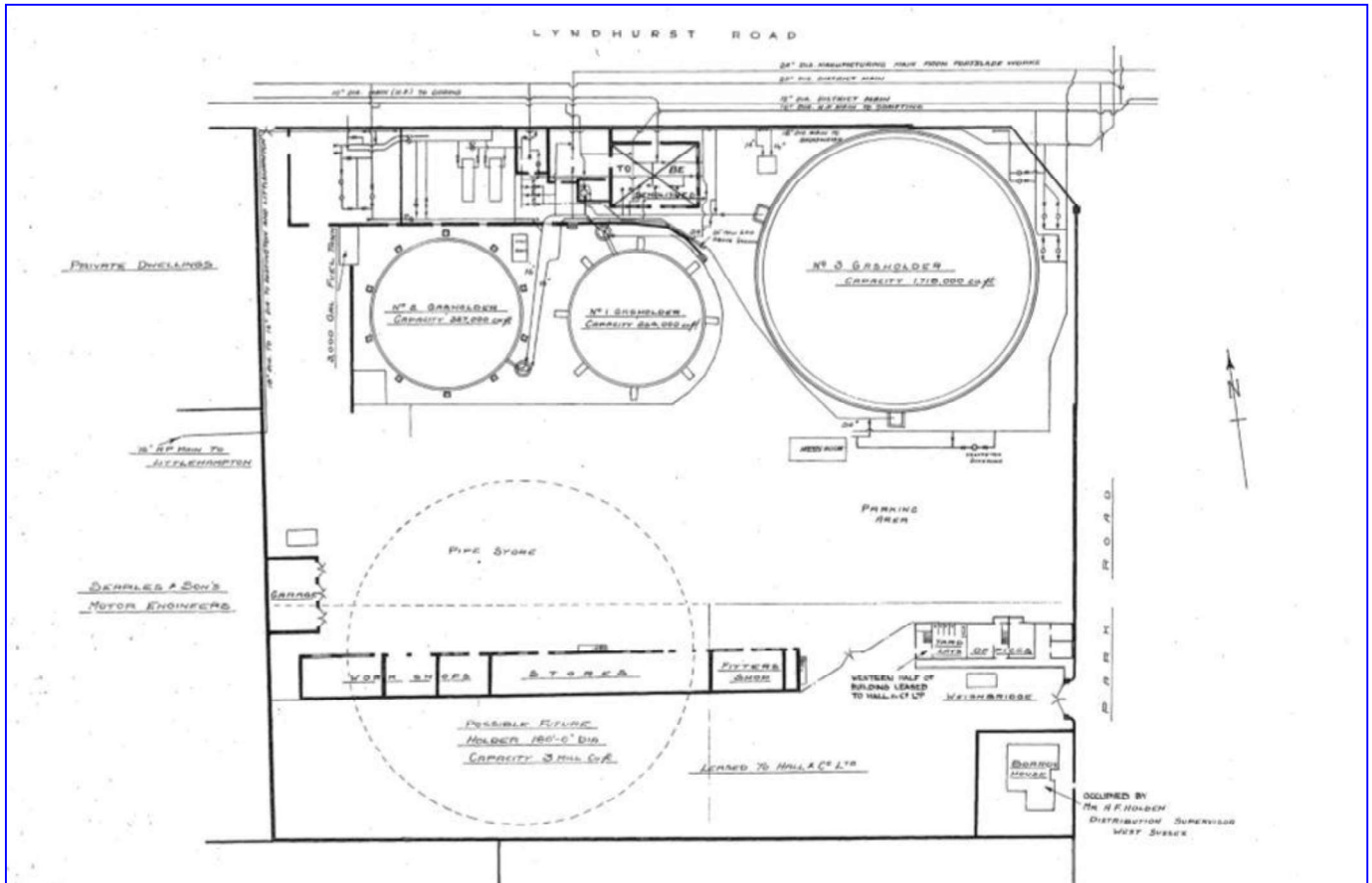


Figure 8: Plan of the Worthing Gasworks, 1968

## 4.2 The Gasholder

4.2.1 Gasholder No 3 was constructed in 1939 – 1940 by Clayton & Sons Ltd and is a three-lift spiral-guided gasholder (Plates 1 – 4). It comprises steel sheets riveted together with overlapping panels and a nominal capacity of 1,649,000 ft<sup>3</sup> (46,695m<sup>3</sup>) (Plates 4 – 7). The upper walkway is supported by an array of flat-edged brackets riveted to the upper two courses of plates of the holder and the main access to the walkway is located on the west side of the holder (Plates 8 – 11). It is a simple dog-leg stair with half landing platform with an additional security gate. There is then an additional inlet valve with associated pipework to the south of the holder, Structures 4 and 5 respectively (see Appendix 1, Figures A1 & A5; Plates 12 – 16), and another to the west side of the holder, Structure 7 (Figure A3; Plate 17).

4.2.2 Access was possible to the upper walkway at the time of survey, although photographs could only be made from the top of the stair. From here, a closer view could be made of the guided rollers (Plates 18 - 20). A closer view of the crown of the holder, consisting of overlapping riveted panels can also be seen in more detail from the upper walkway (Plate 21). A better view of the rising stairwell to access the upper lifts when raised was also possible from the top of the gasholder (Plates 22 & 23).

4.2.3 There are a number of additional structures associated with the former gasworks immediately prior to the decommissioning, although these are all modern structures (with the exception of Structures 4, 5 and 7, which are mentioned above and illustrated in Plates 12 – 17). These include:

- Structure 1 (Plate 24)
  - A modern plastic tank.
- Structure 2 (Plate 25)
  - A concrete platform containing two manholes.
- Structure 3 (Plate 26)
  - A brick-built structure to house piping.
- Structure 6 (Plates 27)
  - A modern brick-built booster house.
- Structure 8 (Plates 28 & 29)
  - An area of pipework within the compound to the SW of the gasholder.
- Structure 9 (Plate 30)
  - A small modern shed containing pipework.
- Structure 10 (Plate 31)
  - A tank set in a concrete compound.
- Structures 11 and 12 (Plates 32 & 33)
  - Large areas of pipework within the compound to the south-west of the gasholder, Structure 11 forming a heat enclosure supplied by Paul and Loughran Ltd from Consett in Co Durham.

## 5 DISCUSSION

5.1 The gasholder at Park Road is the only remains of the 20<sup>th</sup> century gasworks at Worthing.

5.2 Constructed in 1939 – 1940 as a spiral-guided holder, Gasholder No 3 at Park Road, with the exception of some of the associated pipework, is the only remains of the mid-20<sup>th</sup> century gasworks at Worthing. It is an older example of its type, the first one appearing at Norwich in 1890 (Montagu Evans 2017, 2). Spiral guided gasholders were first invented in the late 1880s by W Gadd and operate via the introduction of spiral guide rails affixed to the holder site (in place of the vertical standards seen in frame guided gasholders). These rails then engage with the guided rollers on the edge of the tank so that the bell or tank of the holder can move up and down (Meade 1921, 667). The guided rollers are typically a dual guided roller system – as seen here at Worthing – and are located to the exterior side of the bell. The rollers would have been provided with constant lubrication when the holder was in operation with oil continuously supplied to the base of the roller carriage.

## 6 FURTHER WORKS

6.1 A further stage of photographic and written recording is required once the demolition contractors have gained safe access to the interior of the gasholder to complete the record. The results of this will then be combined with this interim report to complete a final report on the Worthing Gasholder.



Plate 1: Park Road, Worthing, general view of the gasholder from the south-east



Plate 2: Park Road, Worthing, general view of the gasholder from the south



Plate 3: Park Road, Worthing, general view of the gasholder from the south-west



Plate 4: Park Road, Worthing, general view of the gasholder from the WSW



Plate 5: Park Road, Worthing, general view of the east side of the gasholder from the east



Plate 6: Park Road, Worthing, detail of riveted plate on the north-east side of the gasholder, from the north-east





Plate 7: Park Road, Worthing, close detail of riveted plate on the north-east side of the gasholder, from the north-east



Plate 8: Park Road, Worthing, detail of the access stair to the west side of the gasholder, from the north

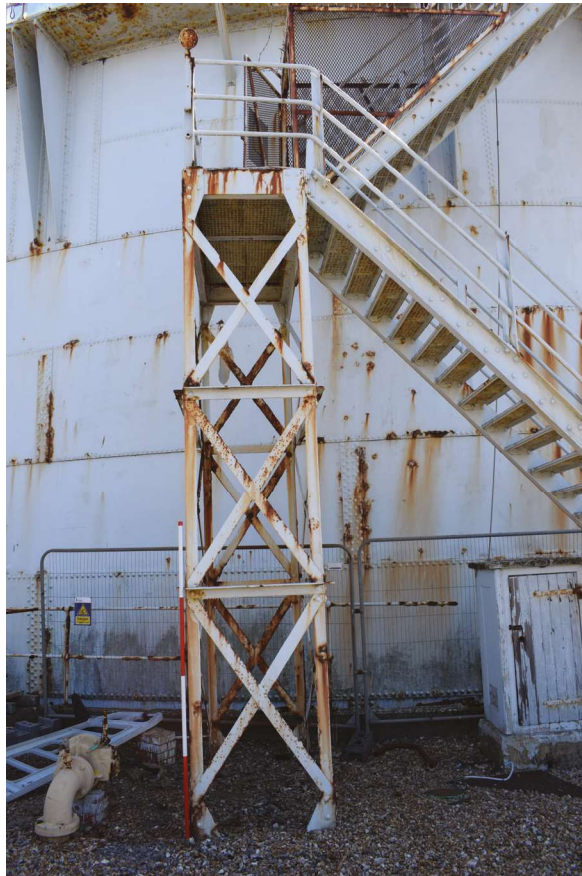


Plate 9: Park Road, Worthing, detail of the access stair to the west side of the gasholder, from the WSW



Plate 10: Park Road, Worthing, detail of the access stair to the west side of the gasholder, from the SSE

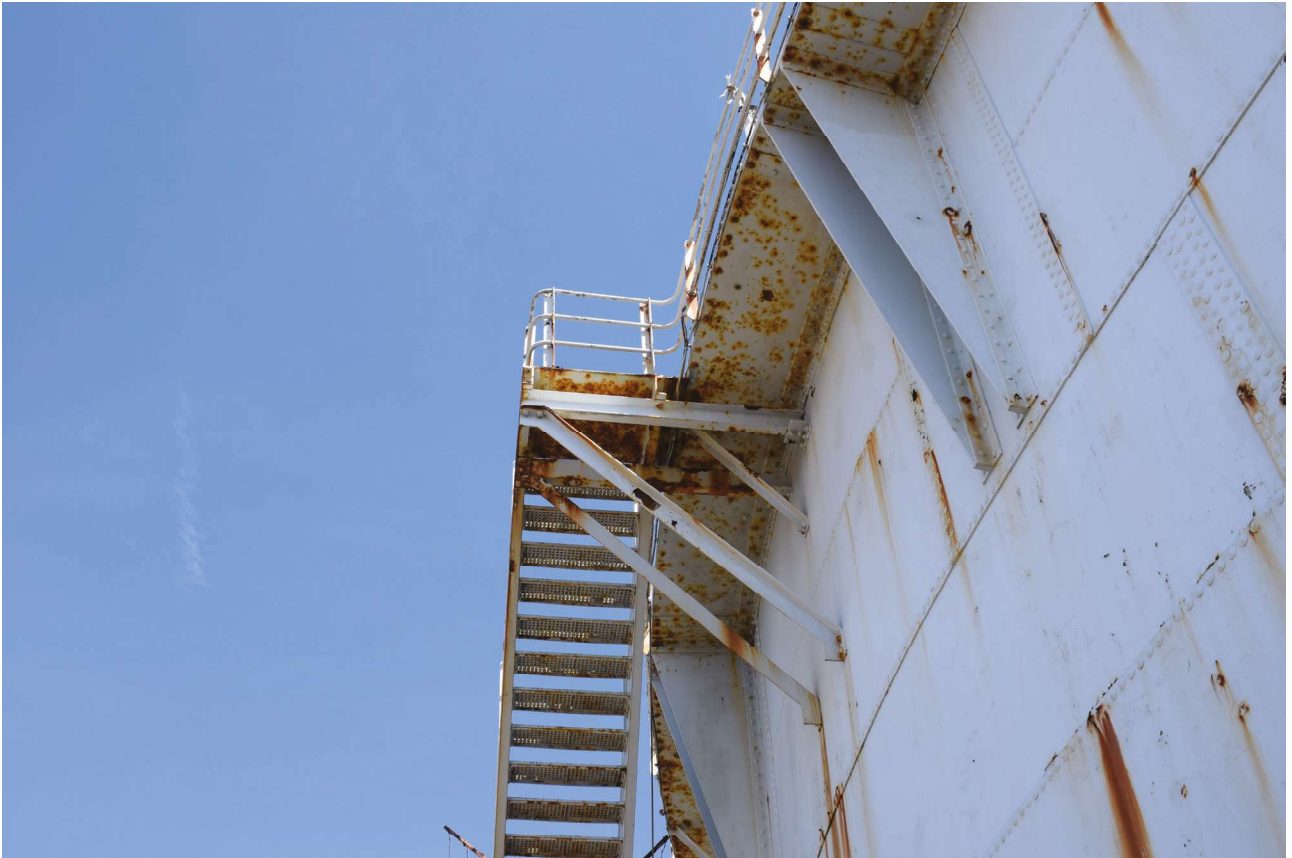


Plate 11: Park Road, Worthing, detail of the top of the access stair to the west side of the gasholder, from the south-west



Plate 12: Park Road, Worthing, Structure 4, general view from the WSW



Plate 13: Park Road, Worthing, Structure 4, detail of the valve wheel, from the south-west



Plate 14: Park Road, Worthing, Structure 5, general view of pipework from the south-east



Plate 15: Park Road, Worthing, Structure 5, general view of pipework from the south



Plate 16: Park Road, Worthing, Structure 5, detail of pipework showing manufacturer's mark, from the east



Plate 17: Park Road, Worthing, Structure 7, general view from the south-west



Plate 18: Park Road, Worthing, detail of guided rollers from the south-west



Plate 19: Park Road, Worthing, detail of guided rollers from the north-west



Plate 20: Park Road, Worthing, detail of guided rollers from the north-west



Plate 21: Park Road, Worthing, general view of the stair from the south-west



Plate 22: Park Road, Worthing, detail of the stair from the south





Plate 23: Park Road, Worthing, detail of the flying lift from the north



Plate 24: Park Road, Worthing, Structure 1, general view from the WNW



Plate 25: Park Road, Worthing, Structure 2, general view from the south-west



Plate 26: Park Road, Worthing, Structure 3, general view from the south-west



Plate 27: Park Road, Worthing, Structure 6, general view from the east



Plate 28: Park Road, Worthing, Structure 8, general view from the south



Plate 29: Park Road, Worthing, Structure 8, detail of the pipework showing the manufacturer's mark, from the ENE



Plate 30: Park Road, Worthing, Structure 9, general view from the north-west



Plate 31: Park Road, Worthing, Structure 10, general view from the north-east



Plate 32: Park Road, Worthing, Structure 11, general view from the south-east



Plate 33: Park Road, Worthing, Structure 12, general view from the SSE

## 7 REFERENCES

### 7.1 Bibliographical references

Historic England 2016 'Understanding Historic Buildings: A Guide to Good Recording Practice', <https://content.historicengland.org.uk/images-books/publications/understanding-historic-buildings/heag099-understanding-historic-buildings.pdf/>, Accessed 9<sup>th</sup> August 2017

Meade, A 1921 (2<sup>nd</sup> Edition) *Modern Gasworks Practice*. Ben Brothers Ltd: London, Chapter XIX 'The Storage of Gas', pp 621 - 688

Montagu Evans 2017 *Gasholder Sites at Marsh Lane, Salisbury & Homesdale Road, Bromley: Historic Building Recording Brief*.

Stephenson, S O 1931 'History of Worthing Gas Light and Coke Company', in *Brighton & Hove General Gas Company Co-Operative Magazine*, pp 5 – 9, 42 – 29, 68 – 71

Thomas, R 2010 Gasworks Profile B: Gasholders and their Tanks. CL:LAIRE: London

### 7.2 Cartographic references

1879	Ordnance Survey	<i>Sussex Sheet LXIV</i>
1899	Ordnance Survey	<i>Sussex Sheet LXIV.SE</i>
1912	Ordnance Survey	<i>Sussex Sheet LXIV.15</i>
1947	Ordnance Survey	<i>Sussex Sheet LXIV.15</i>

### 7.4 National Gas Archive Records

Ref No	Title	Location	Description
BRH/1931_5/68	History of the Worthing Gas Light and Coke Co.	NONE	History of the Worthing Gas Light and Coke Co.
BRH/1931_5/110	History of the Worthing Gas Light and Coke Co. (continued)	NONE	History of the Worthing Gas Light and Coke Co. (continued)
BRH/1932_5/5	History of the Worthing Gas Light and Coke Co. (Continued)	NONE	History of the Worthing Gas Light and Coke Co. (Continued)
BRH/1932_5/42	The History of the Worthing Gas Light and Coke Co. (continued)	NONE	The History of the Worthing Gas Light and Coke Co. (continued)
BRH/1934_7/116	No.1 Gas holder Worthing works	NONE	No.1 Gas holder Worthing works
SE/SEG/SX/WTG/E/E/1	Worthing- Plan Of Holder Station	MR/3062	Worthing Holder Station, Lyndhurst Road - plan shows holders with capacity, possible future holder, mains.

## APPENDIX 1: PHOTOGRAPHIC RECORD

Colour Digital

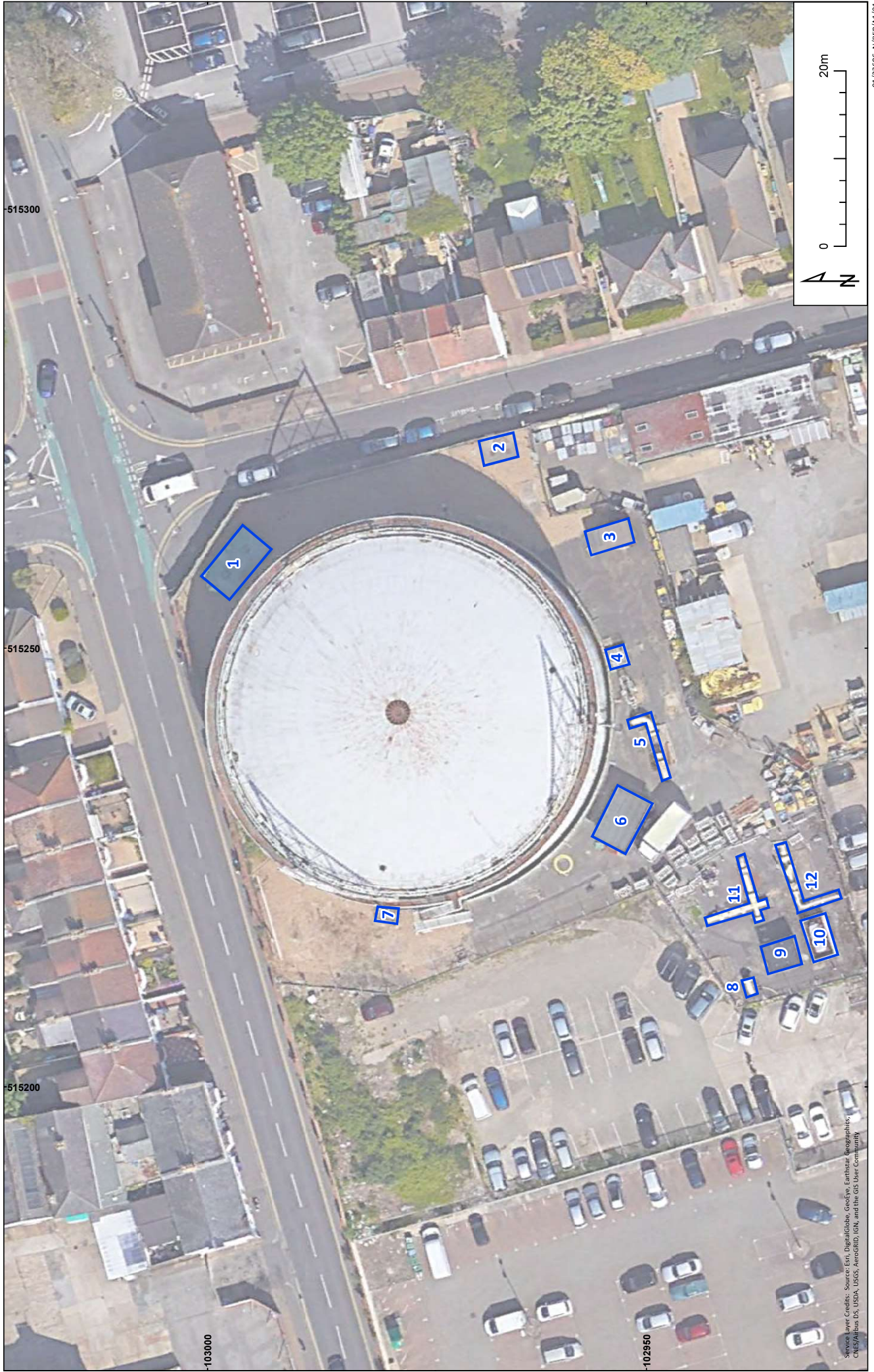
Ref	Description	Taken From	Date
WOR_001	General view of gasholder	S	21/06/2018
WOR_002	General view of gasholder	S	21/06/2018
WOR_003	Detail of stair on the W side	N	21/06/2018
WOR_004	Detail of stair on the W side	NNW	21/06/2018
WOR_005	Detail of stair on the W side	NW	21/06/2018
WOR_006	Detail of stanchion supporting the W side of the stair on the W side	WSW	21/06/2018
WOR_007	Detail of stair on the W side	SSE	21/06/2018
WOR_008	Detail of stair on the W side	SW	21/06/2018
WOR_009	Detail of junction box beneath stair on the W side	WSW	21/06/2018
WOR_010	Detail of junction box beneath stair on the W side	WSW	21/06/2018
WOR_011	Detail of junction box beneath stair on the W side	WNW	21/06/2018
WOR_012	Detail of junction box beneath stair on the W side	WSW	21/06/2018
WOR_013	Detail of redundant pipe beneath stairs	E	21/06/2018
WOR_014	General view of disconnected pipe to the N of the stair to the W side	N	21/06/2018
WOR_015	General view of disconnected pipe to the N of the stair to the W side	W	21/06/2018
WOR_016	Detail of disconnected pipe to the N of the stair to the W side	W	21/06/2018
WOR_017	Detail of disconnected pipe to the N of the stair to the W side	W	21/06/2018
WOR_018	Detail of disconnected pipe to the N side of the stair to the W side (to the E of the pip in Shots 13 – 17)	NW	21/06/2018
WOR_019	General view of concrete tank to the W side of the gasholder	W	21/06/2018
WOR_020	General view of concrete tank to the W side of the gasholder	SW	21/06/2018
WOR_021	Detail of W-most rail of the concrete tank to the W side of the gasholder	W	21/06/2018
WOR_022	Detail looking into the concrete tank to the W side of the gasholder and the pipe connection	S	21/06/2018
WOR_023	Detail of small ladder to the immediate N of the concrete tank to the W side of the gasholder	W	21/06/2018
WOR_024	General view of the NW side of the gasholder	SW	21/06/2018
WOR_025	Detail of the top of the stair to the W side of the gasholder	SW	21/06/2018
WOR_026	Detail of the lamp at the top of the stair on the upper walkway to the W side of the gasholder	SW	21/06/2018
WOR_027	Detail of the lamp at the top of the stair on the upper walkway to the W side of the gasholder	SW	21/06/2018
WOR_028	Detail of the fixings on the upper part of the NW side of the gasholder	SW	21/06/2018
WOR_029	Detail of the fixings on the upper part of the NW side of the gasholder	SW	21/06/2018
WOR_030	Detail of the fixings on the upper part of the NW side of the gasholder	SW	21/06/2018
WOR_031	Detail of the fixings on the upper part of the NW side of the gasholder	SW	21/06/2018
WOR_032	Detail of the lift mechanism to the NW side of the gasholder	SW	21/06/2018
WOR_033	General view of Building 1	NW	21/06/2018
WOR_034	General view of Building 1	WNW	21/06/2018
WOR_035	General view of Building 1 and the NE side of the gasholder	SSE	21/06/2018
WOR_036	General view of Building 1	SE	21/06/2018
WOR_037	General view of the NE side of the gasholder and SE end of Building 1	SSE	21/06/2018
WOR_038	Detail of the E side of the gasholder	E	21/06/2018
WOR_039	Detail of the E side of the gasholder (lower part)	E	21/06/2018
WOR_040	Detail of the E side of the gasholder (upper part)	E	21/06/2018
WOR_041	General view of the SE side of the gasholder	SE	21/06/2018



WOR_042	General view of the E side of the gasholder	S	21/06/2018
WOR_043	Detail of bracket on the E side of the gasholder	S	21/06/2018
WOR_044	Detail of bracket on the E side of the gasholder	S	21/06/2018
WOR_045	Detail of bracket on the E side of the gasholder	ESE	21/06/2018
WOR_046	Detail of bracket on the E side of the gasholder	ESE	21/06/2018
WOR_047	Detail looking at gap between lifts to the E side of the gasholder	S	21/06/2018
WOR_048	Detail looking at gap between lifts to the E side of the gasholder	N	21/06/2018
WOR_049	Detail of riveted panel on the NNE side of the gasholder	NE	21/06/2018
WOR_050	Detail of riveted panel on the NNE side of the gasholder	NE	21/06/2018
WOR_051	Detail of junction box to SE side of the gasholder	SE	21/06/2018
WOR_052	Detail of junction box to SE side of the gasholder	SE	21/06/2018
WOR_053	Detail of SE side of the gasholder	SE	21/06/2018
WOR_054	Detail of brackets beneath upper walkway to the SE side of the gasholder	SE	21/06/2018
WOR_055	Detail of stair and vertical piping on the SE side of the gasholder	SE	21/06/2018
WOR_056	Detail of stair and vertical piping on the SE side of the gasholder	NE	21/06/2018
WOR_057	Detail looking between the tank and the lift	NNE	21/06/2018
WOR_058	General view of the SSE side of the gasholder	SSE	21/06/2018
WOR_059	Detail of ladder to the SE side of the gasholder	SE	21/06/2018
WOR_060	Detail looking up at the ladder on the SE side of the gasholder	SE	21/06/2018
WOR_061	General view of concrete tank (2) to the SE side of the gasholder	SW	21/06/2018
WOR_062	General view of concrete tank (2) to the SE side of the gasholder	W	21/06/2018
WOR_063	General view of Structure 3	NNW	21/06/2018
WOR_064	Detail of E-most side of Structure 3	NNW	21/06/2018
WOR_065	Detail of W-most side of Structure 3	NNW	21/06/2018
WOR_066	General view of Structure 3	SW	21/06/2018
WOR_067	General view of Structure 3	NW	21/06/2018
WOR_068	Detail of the S elevation of Structure 3	SW	21/06/2018
WOR_069	General view of Structure 3	NE	21/06/2018
WOR_070	Detail of steel door in the NE elevation of Structure 3	ENE	21/06/2018
WOR_071	Detail of pipework between E side of Structure 3	NNW	21/06/2018
WOR_072	Detail of pipework between E side of Structure 3	N	21/06/2018
WOR_073	Close detail of pipework E side of Structure 3 showing 'DONKIN' makers mark	NNW	21/06/2018
WOR_074	Detail of pipework to the E side of Structure 3	SSE	21/06/2018
WOR_075	Detail of pipework E side of Structure 3	S	21/06/2018
WOR_076	Close detail of pipework E side of Structure 3	SSE	21/06/2018
WOR_077	General view of the interior of Structure 3 showing pipework	NNE	21/06/2018
WOR_078	Close detail of pipework to the interior of Structure 3	N	21/06/2018
WOR_079	General view of the S side of the gasholder	E	21/06/2018
WOR_080	General view of the upper level of the S side of the gasholder	S	21/06/2018
WOR_081	General view of concrete tank, Structure 4	ENE	21/06/2018
WOR_082	General view of concrete tank, Structure 4	WSW	21/06/2018
WOR_083	Detail of valve wheel on top of the concrete tank, Structure 4	SW	21/06/2018
WOR_084	Close detail of valve wheel on top of the concrete tank, Structure 4	W	21/06/2018
WOR_085	General view of pipework, Structure 5	SE	21/06/2018
WOR_086	General view of pipework, Structure 5	E	21/06/2018
WOR_087	Detail of pipework, Structure 5	SE	21/06/2018
WOR_088	General view of pipework, Structure 5	SW	21/06/2018
WOR_089	General view of pipework, Structure 5	S	21/06/2018
WOR_090	General view of pipework, Structure 5	N	21/06/2018
WOR_091	Close detail of pipework, Structure 5	E	21/06/2018
WOR_092	Detail of the top of the gasholder to the S side	S	21/06/2018

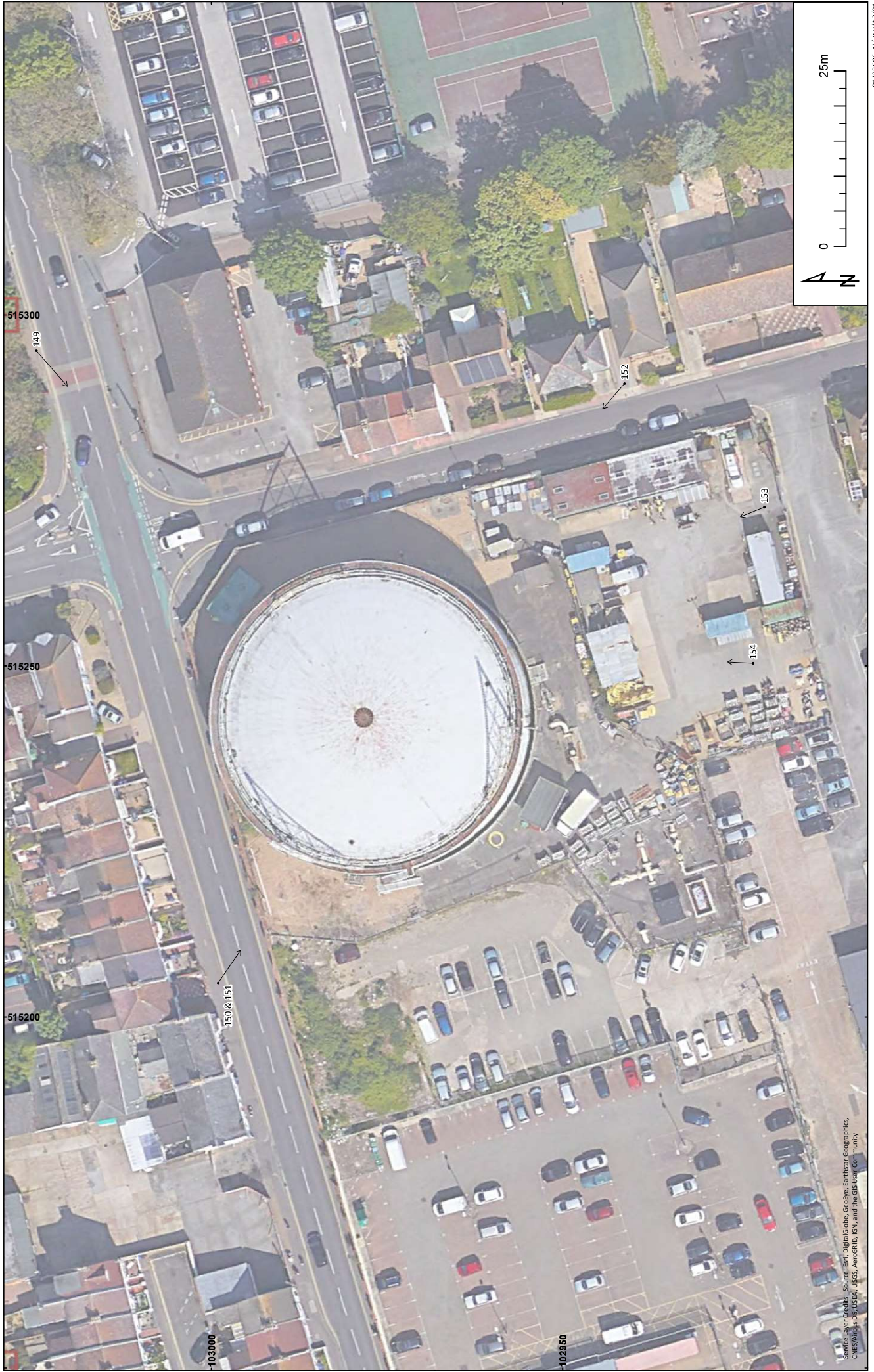
WOR_093	Detail of the base of the gasholder to the S side	S	21/06/2018
WOR_094	General view of the SSW side of the gasholder	ESE	21/06/2018
WOR_095	Detail of vertical pipe on the SSW side of the gasholder	SE	21/06/2018
WOR_096	Detail of vertical pipe on the SSW side of the gasholder	SSW	21/06/2018
WOR_097	Detail of upper lift mechanism	SSW	21/06/2018
WOR_098	Detail of upper walkway and ladder at the top of the SSW side of the gasholder	SSW	21/06/2018
WOR_099	Close detail of riveting on the SWW side of the gasholder	SSW	21/06/2018
WOR_100	Close detail of riveting on the SWW side of the gasholder	SSW	21/06/2018
WOR_101	General view of Structure 6	E	21/06/2018
WOR_102	General view of Structure 6	SE	21/06/2018
WOR_103	Detail of door in the NE wall of Structure 6	NE	21/06/2018
WOR_104	General view of the interior	E	21/06/2018
WOR_105	General view of the interior	S	21/06/2018
WOR_106	Detail of the instrumentation on the NE wall of Structure 6	SW	21/06/2018
WOR_107	General view of Structure 6	NW	21/06/2018
WOR_108	General view of Structure 6	SW	21/06/2018
WOR_109	General view of the gasworks site to the SW of the gasholder	NE	21/06/2018
WOR_110	General view of the upright pipe within the gasworks site to the SW of the gasholder	SSE	21/06/2018
WOR_111 - 114	Close detail on the SSE side of the pipework in the adjacent gasworks site to the SW of the gasholder	SSE	21/06/2018
WOR_115	General view of the gasworks site to the SW of the gasholder	NW	21/06/2018
WOR_116	Detail of upright gauge in the gasworks site to the SW side of the gasholder	NNW	21/06/2018
WOR_117	General view of the gasworks site to the SW of the gasholder	NW	21/06/2018
WOR_118	General view of the gasworks site to the SW of the gasholder	SW	21/06/2018
WOR_119	General view of the gasworks site to the SW of the gasholder	SE	21/06/2018
WOR_120	General view of the gasworks site to the SW of the gasholder	NE	21/06/2018
WOR_121	Close detail of pipework to the S-most set of pipes in the gasworks site to the SW of the gasholder	ENE	21/06/2018
WOR_122	General view of tank in concrete compound, Structure 10	WSW	21/06/2018
WOR_123	General view of tank in concrete compound, Structure 10	SSE	21/06/2018
WOR_124	General view of tank in concrete compound, Structure 10	SE	21/06/2018
WOR_125	General view of tank in concrete compound, Structure 10	ENE	21/06/2018
WOR_126	Detail of maker's plaque on side of tank, Structure 10	SSE	21/06/2018
WOR_127	General view of tank in concrete compound, Structure 10	NE	21/06/2018
WOR_128	General view of shed, Structure 9	ENE	21/06/2018
WOR_129	General view of shed, Structure 9	NNW	21/06/2018
WOR_130	General view of shed, Structure 9	NW	21/06/2018
WOR_131	General view looking into the interior of shed, Structure 9	SE	21/06/2018
WOR_132	General view of pipework, Structure 8	S	21/06/2018
WOR_133	General view of pipework, Structure 8	NNE	21/06/2018
WOR_134	Detail of the E side of pipework, Structure 8	ENE	21/06/2018
WOR_135	General view of the ladder and the crown of the gasholder	S	21/06/2018
WOR_136	General view of the ladder and the crown of the gasholder	N	21/06/2018
WOR_137	General view of the ladder and the crown of the gasholder	S	21/06/2018
WOR_138	General view of the ladder and the crown of the gasholder	WNW	21/06/2018
WOR_139	General view of the ladder and the crown of the gasholder	SSW	21/06/2018
WOR_140	Detail of guided rollers	SW	21/06/2018
WOR_141	Detail of guided rollers	NW	21/06/2018
WOR_142	Detail of guided rollers	NW	21/06/2018

<b>WOR_143</b>	Detail of guided rollers	NW	21/06/2018
<b>WOR_144</b>	Detail of railings	S	21/06/2018
<b>WOR_145</b>	General view of crown	SW	21/06/2018
<b>WOR_146</b>	General view of gasholder	SW	21/06/2018
<b>WOR_147</b>	General view of gasholder	WSW	21/06/2018
<b>WOR_148</b>	General view of the top of the gasholder	WSW	21/06/2018
<b>WOR_149</b>	General view of gasholder	NE	21/06/2018
<b>WOR_150</b>	General view of gasholder	NW	21/06/2018
<b>WOR_151</b>	Detail of the ladder to the W side of the gasholder	NW	21/06/2018
<b>WOR_152</b>	General view of gasholder	SE	21/06/2018
<b>WOR_153</b>	General view of gasholder	SE	21/06/2018



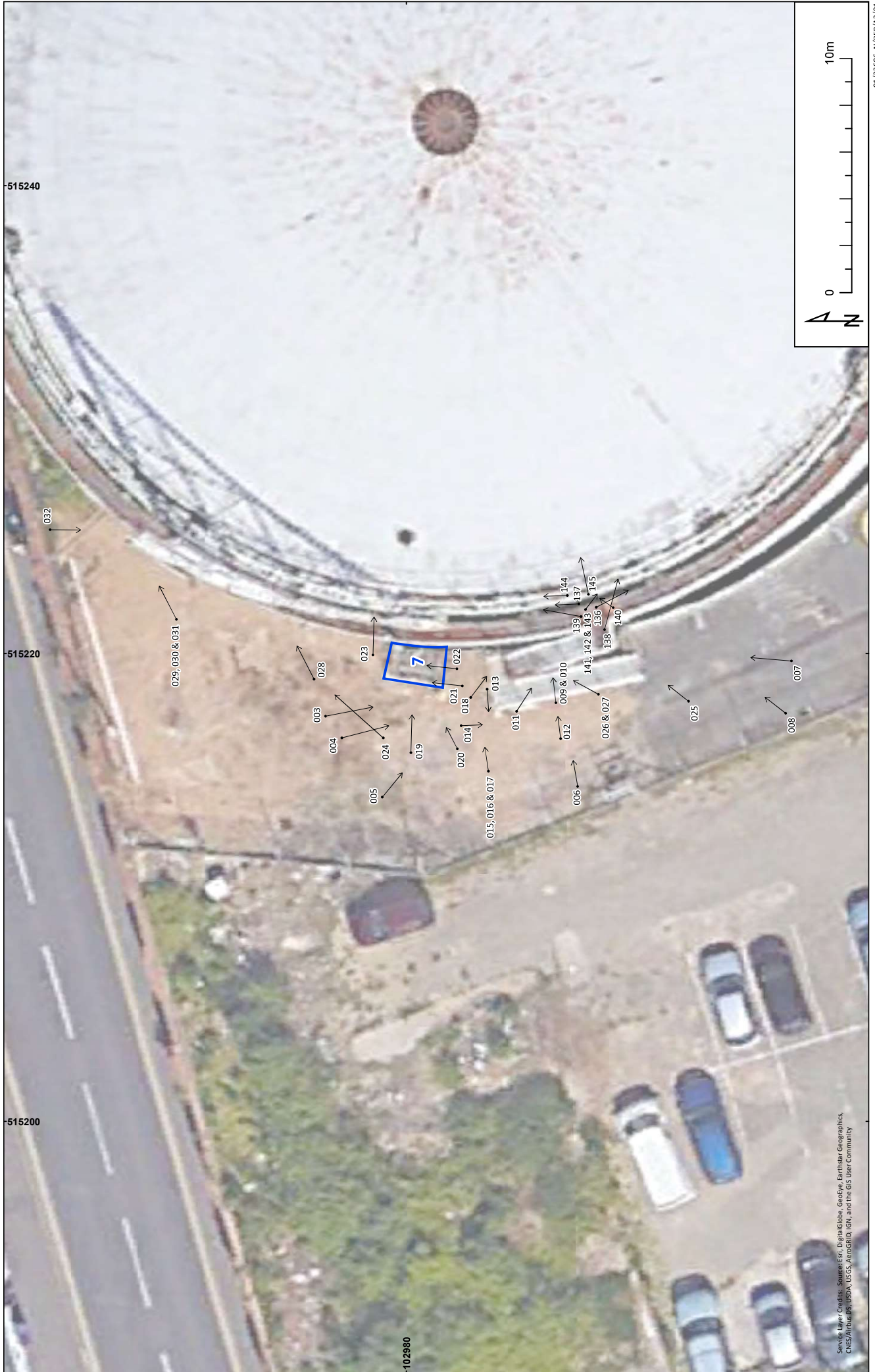
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A1: Structure Locations



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A2: Photographic Locations



A3: Photographic Locations



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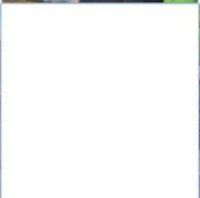
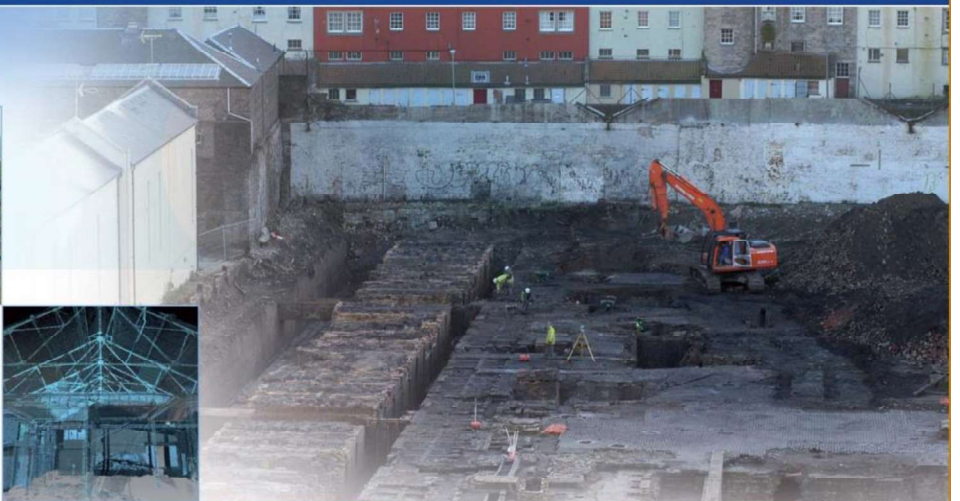
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A6: Photographic Locations



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A7: Photographic Locations



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