

**Archaeological Watching Brief Report  
Deal Water Supply Works,  
St. Richards Road, Deal, Kent**

**NGR: 636356 150913  
(TR 36356 50913)**

**Permitted Development  
ASE Project No: 170616  
Site Code: EAL 17  
ASE Report No: 2017300  
OASIS ID: archaeol6-289164**



**By Simon Stevens BA MCIfA**



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<b>Reviewed and approved by:</b>	<b>Dan Swift</b>	<b>Project Manager</b>	
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**Abstract**

*Archaeology South-East was commissioned by Southern Water to undertake an archaeological watching brief during groundworks at Deal Water Supply Works, St. Richards Road, Deal, Kent.*

*Mechanical ground reduction at the site was monitored over two days in June 2017. A mechanical excavator was used to reduce the ground level in an area measuring c.6m by c.1.5m to a maximum depth of c.1.1m immediately to the north-east of an existing structure within the works compound. No archaeological features or deposits were encountered, and no artefacts were recovered from the topsoil. Extensive truncation was noted.*

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## **1.0 INTRODUCTION**

### **1.1 Site Background**

- 1.1.1 Archaeology South-East (ASE) was commissioned by Southern Water to undertake an archaeological watching brief during groundworks at Deal Water Supply Works, St. Richards Road, Deal, Kent (NGR 636356 150913; Figures 1 and 2).

### **1.2 Geology and Topography**

- 1.2.1 The site lies in a residential area of Deal to the south-west of the historic core of the town. Deal Water Supply Works is bounded to the south-west by St Richards Road from which the site is accessed. The north-western boundary is with properties fronting onto St. Richards Road and Mill Hill. The gardens of properties in Quern Road lie to the north-east, and the boundary with Dossett Court is located to the south-east.
- 1.2.2 According to current data from the British Geological Survey, the underlying geology consists of Margate Chalk. There are no recorded superficial deposits (BGS 2017).

### **1.3 Planning Background**

- 1.3.1 As Permitted Development under the terms of the Town and Country Planning (General Permitted Development) (England) Order 2015, the scheme falls outside of the usual Local Planning Authority framework(s).
- 1.3.2 However, following consultation between Southern Water, ASE and Kent County Council, it was agreed that archaeological monitoring of the groundworks associated with the scheme would be prudent.
- 1.3.3 The archaeological monitoring was carried out in accordance with the terms of the standard *Specification for an Archaeological Watching Brief in Kent* prepared by the Heritage Conservation Group, Kent County Council (HCGKCC 2015) The document outlines the methodologies to be used on-site and in the reporting and archiving of the results.

### **1.4 Research Aims and Objectives**

- 1.4.1 The overall objective of the archaeological watching brief is:

*‘contribute to heritage knowledge of the area through the recording of archaeological remains exposed as a result of excavations in connection with the works’*

### **1.5 Scope of Report**

- 1.5.1 This report details the results of the archaeological monitoring of groundworks at the site undertaken in June 2017 by Simon Stevens (Senior Archaeologist).

## **2.0 ARCHAEOLOGICAL BACKGROUND**

### **2.1 Introduction**

- 2.1.1 The site lies in an area of Deal that is rich in archaeological remains. Material has been recovered from extensive excavations and from archaeological recording prior to recent construction work. The following summary, by period, is taken from the Kent County Council Historic Environment Record.

### **2.2 Prehistoric**

- 2.2.1 A Late Bronze Age ditched enclosure was excavated by William Stebbing in the 1920s and 1930s immediately to the south-west of the site, remembered in the street names *Celtic Road, Halstatt Road and Quern Road*.
- 2.2.2 Prior to the construction of with Dossett Court immediately to the south-east of the site Neolithic and Bronze Age flintwork was recovered during archaeological work carried out by the Canterbury Archaeological Trust, and features encountered at the site showed extensive Early Iron Age occupation. A range of Iron Age features have also been encountered and recorded during various archaeological work in the vicinity.

### **2.3 Romano-British**

- 2.3.1 Archaeological remains of this date have been recorded within the boundaries of the works compound. A Romano-British ditch was encountered when the foundations for the water tower at the site were excavated. Pottery with a date range spanning the 1<sup>st</sup> to 3<sup>rd</sup> centuries was recovered, as well as a quantity of red deer antler. Roman pottery has also been recovered from gardens in nearby Halstatt Road and Goodwin Close.

### **2.4 Anglo-Saxon**

- 2.4.1 An Anglo-Saxon (Jutish) inhumation cemetery has been identified close to the Roman Catholic church on the opposite site of St. Richards Road, c.500m from the current site. Both male and female accompanied burials have been identified. Another burial assigned to a similar date was encountered during excavation for an air raid shelter in 1939 in Redsull Avenue.

### **2.5 Medieval**

- 2.5.1 A single sherd of 13<sup>th</sup> to 14<sup>th</sup> century pottery was recovered during an evaluation by the Canterbury Archaeological Trust in Lydia Road.

### **2.6 Post-Medieval**

- 2.6.1 A post-medieval ditch was identified on the same site in Lydia Road. A lime kiln has been recognised on cartographic sources in the area now occupied by the gardens between Goodwin Close and St. Richards Road.

### **3.0 ARCHAEOLOGICAL METHODOLOGY**

#### **3.1 Fieldwork Methodology**

- 3.1.1 Mechanical ground reduction associated with the construction of new facilities was monitored by a suitably qualified archaeologist. Revealed surfaces of the 'natural' were manually cleaned where possible, all sections were examined for archaeological deposits and all spoil was scanned for the presence of archaeological artefacts, both visually and with a metal-detector.
- 3.1.2 All encountered deposits were recorded according to accepted professional standards using standard Archaeology South-East context record forms. Deposit colours were recorded by visual inspection and not by reference to a Munsell Colour chart. A full photographic record of the monitoring was maintained.

#### **3.2 Fieldwork Constraints**

- 3.2.1 There were no physical constraints to the archaeological monitoring of the groundworks; all machining was closely observed, all sections were examined and all spoil was scanned for the presence of archaeological artefacts.

#### **3.3 The Site Archive**

- 3.3.1 The site archive is currently held at the offices of ASE and will be offered to suitable local museum in due course. The contents of the archive are tabulated below (Table 1).

Context sheets	4
Section sheets	0
Plans sheets	0
Colour photographs	0
B&W photos	0
Digital photos	12
Context register	1
Drawing register	0
Watching brief forms	2
Trench Record forms	0

Table 1: Quantification of site paper archive

Bulk finds (quantity e.g. 1 bag, 1 box, 0.5 box 0.5 of a box )	0
Registered finds (number of)	
Flots and environmental remains from bulk samples	0
Palaeoenvironmental specialists sample samples (e.g. columns, prepared slides)	0
Waterlogged wood	0
Wet sieved environmental remains from bulk samples	0

Table 2: Quantification of artefact and environmental samples

## **4.0 RESULTS**

### **4.1 Introduction**

(Figure 3)

- 4.1.1 Mechanical ground reduction at the site was monitored over two days in June 2017. A Doosan DX27Z excavator was used to reduce the ground level in an area measuring c.6m by c.1.5m to a maximum depth of c.1.1m immediately to the north-east of an existing structure.

<b>Context</b>	<b>Type</b>	<b>Description</b>	<b>Max. Deposit Thickness m</b>
001	Layer	Topsoil/made ground	0.90
002	Layer	Concrete	0.20
003	Layer	Levelling	0.07
004	Layer	'Natural' Chalk	-

Table 4: List of recorded contexts

### **4.2 The Stratigraphic Sequence**

- 4.2.1 The recorded stratigraphic sequence was straightforward. It consisted of a mid-greyish brown silty clay topsoil/made ground, context [001], which directly overlay the 'natural' chalk, context [004], seen in a sondage within the excavation area. At the south-eastern end of the excavation area, the surface was a layer of reinforced concrete, context [002], laid on a sub-base of gravel, context [003] which overlay the topsoil/made ground, context [001]. The excavated area was heavily disturbed by the laying of services leading to and from the adjacent building, as well as by substantial roots from a nearby tree,
- 4.2.2 The absence of any subsoil layer and the depth of the topsoil/made ground strongly suggests extensive earthmoving/landscaping within the confines of the excavated area, and arguably of the works compound in general.
- 4.2.3 No archaeological features or deposits were encountered, and no artefacts were recovered from the topsoil.



## **5.0 DISCUSSION AND CONCLUSIONS**

### **5.1 Overview of stratigraphic sequence**

- 5.1.1 The stratigraphic sequence was straightforward despite the close proximity of known remains of a Romano-British date, and the presence of other archaeological deposits in the wider landscape. No archaeological deposits, features or finds were uncovered.

### **5.2 Deposit survival and existing impacts**

- 5.2.1 The absence of a subsoil layer and the depth of the topsoil/made ground suggest that extensive earthmoving/landscaping has occurred on the site in the recent past; most probably during construction/modification of the waterworks. Potentially, this work could have removed archaeological deposits, had any been present, in the monitored area.

### **5.3 Consideration of research aims**

- 5.3.1 Given the paucity of archaeological deposits and absence of artefacts, no *'heritage knowledge of the area'* (HCGKCC 2015) could be gained.

### **5.4 Conclusions**

- 5.4.1 The implementation of an archaeological watching brief during the groundworks at Deal Water Supply Works did not result in the identification of any archaeological deposits, features or finds, despite the location of archaeological deposits in the locale. Extensive truncation was noted.

## BIBLIOGRAPHY

HCGKCC, 2015 *Specification for an Archaeological Watching Brief in Kent*

BGS, 2017 British Geological Survey, Geology of Britain Viewer, accessed 03.07.2017  
<http://mapapps.bgs.ac.uk/geologyofbritain/home.html>

## ACKNOWLEDGEMENTS

ASE would like to thank Southern Water for commissioning the archaeological work and the Heritage Conservation Group, Kent County Council for their input at all stages. Thanks are also due to the on-site ground-workers for their co-operation and hospitality. Paul Mason managed the fieldwork, Jim Stevenson and Dan Swift the post-excavation process.

## HER Summary

<b>Site code</b>	EAL 17				
<b>Project code</b>	170616				
<b>Planning reference</b>	Permitted Development				
<b>Site address</b>	Deal Water Supply Works, St. Richards Road, Deal				
<b>District/Borough</b>	Dover District				
<b>NGR (12 figures)</b>	636356 150913				
<b>Geology</b>	Margate Chalk				
<b>Fieldwork type</b>			WB		
<b>Dates of fieldwork</b>	22.06.2017 to 23.06.2017				
<b>Sponsor/client</b>	Southern Water				
<b>Project manager</b>	Paul Mason				
<b>Project supervisor</b>	Simon Stevens				
<b>Period summary</b>					
<b>Project summary</b>	<p>Archaeology South-East was commissioned by Southern Water to undertake an archaeological watching brief during groundworks at Deal Water Supply Works, St. Richards Road, Deal, Kent.</p> <p>Mechanical ground reduction at the site was monitored over two days in June 2017. A mechanical excavator was used to reduce the ground level in an area measuring c.6m by c.1.5m to a maximum depth of c.1.1m immediately to the north-east of an existing structure within the works compound. No archaeological features or deposits were encountered, and no artefacts were recovered from the topsoil. Extensive truncation was noted.</p>				

## OASIS Form

### OASIS ID: archaeol6-289164

#### Project details

Project name Archaeological Watching Brief Report - Deal Water Supply Works, St. Richards Road, Deal, Kent

Short description of the project Archaeology South-East was commissioned by Southern Water to undertake an archaeological watching brief during groundworks at Deal Water Supply Works, St. Richards Road, Deal, Kent. Mechanical ground reduction at the site was monitored over two days in June 2017. A mechanical excavator was used to reduce the ground level in an area measuring c.6m by c.1.5m to a maximum depth of c.1.1m immediately to the north-east of an existing structure within the works compound. No archaeological features or deposits were encountered, and no artefacts were recovered from the topsoil. Extensive truncation was noted.

Project dates Start: 22-06-2017 End: 23-06-2017

Previous/future work No / Not known

Any associated project reference codes 170616 - Contracting Unit No.

Any associated project reference codes EAL 17 - Sitecode

Type of project Recording project

Site status None

Current Land use Other 13 - Waste ground

Monument type NONE None

Significant Finds NONE None

Investigation type "Watching Brief"

Prompt Water Act 1989 and subsequent code of practice

#### Project location

Country England

Site location KENT DOVER DEAL Deal Water Supply Works, St. Richards Road

Study area 10 Square metres

Site coordinates TR 36356 50913 51.207760185045 1.384247520242 51 12 27 N 001 23 03 E Point

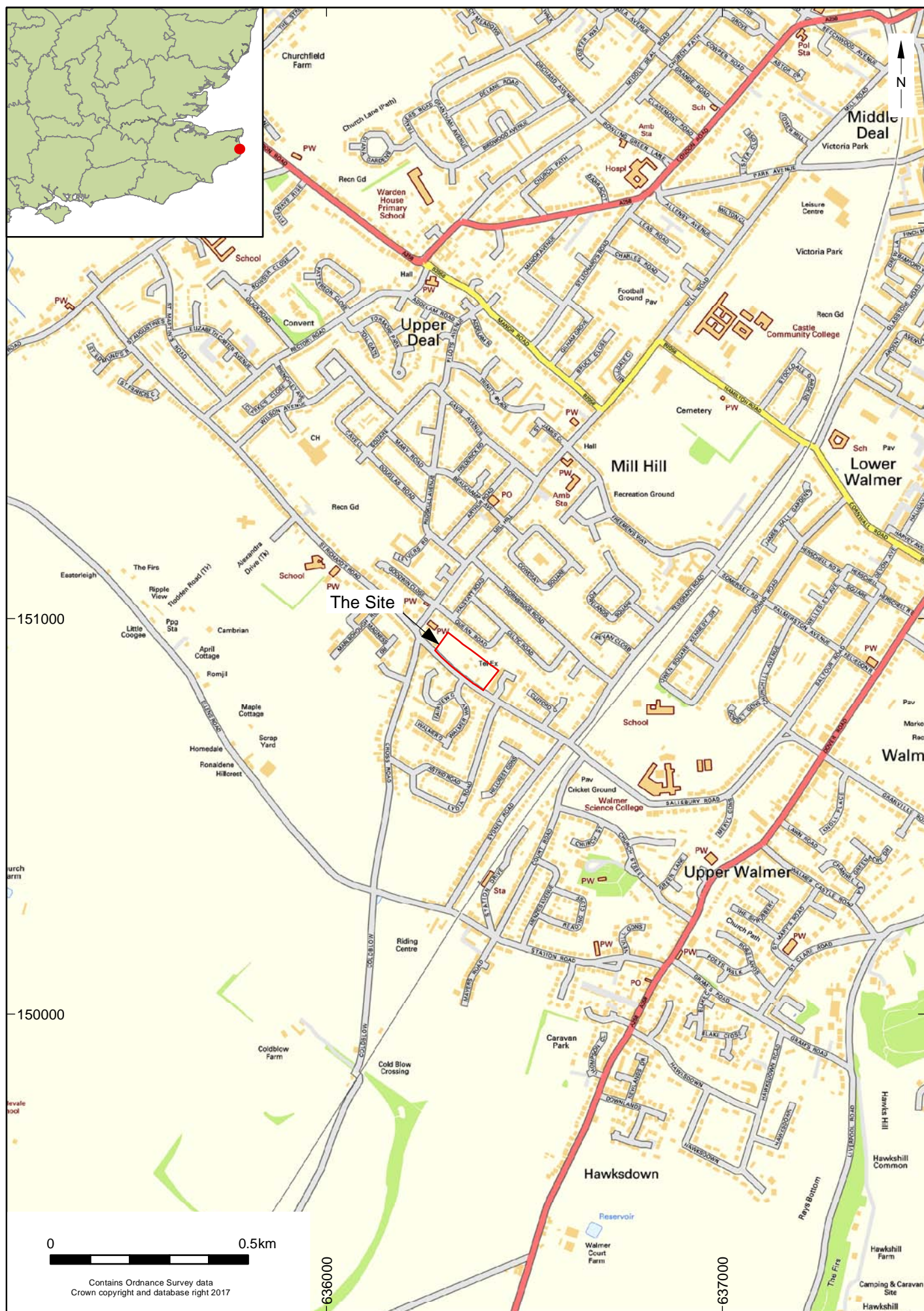
#### Project creators

Name of Organisation Archaeology South-East

Project brief originator Archaeology South-East

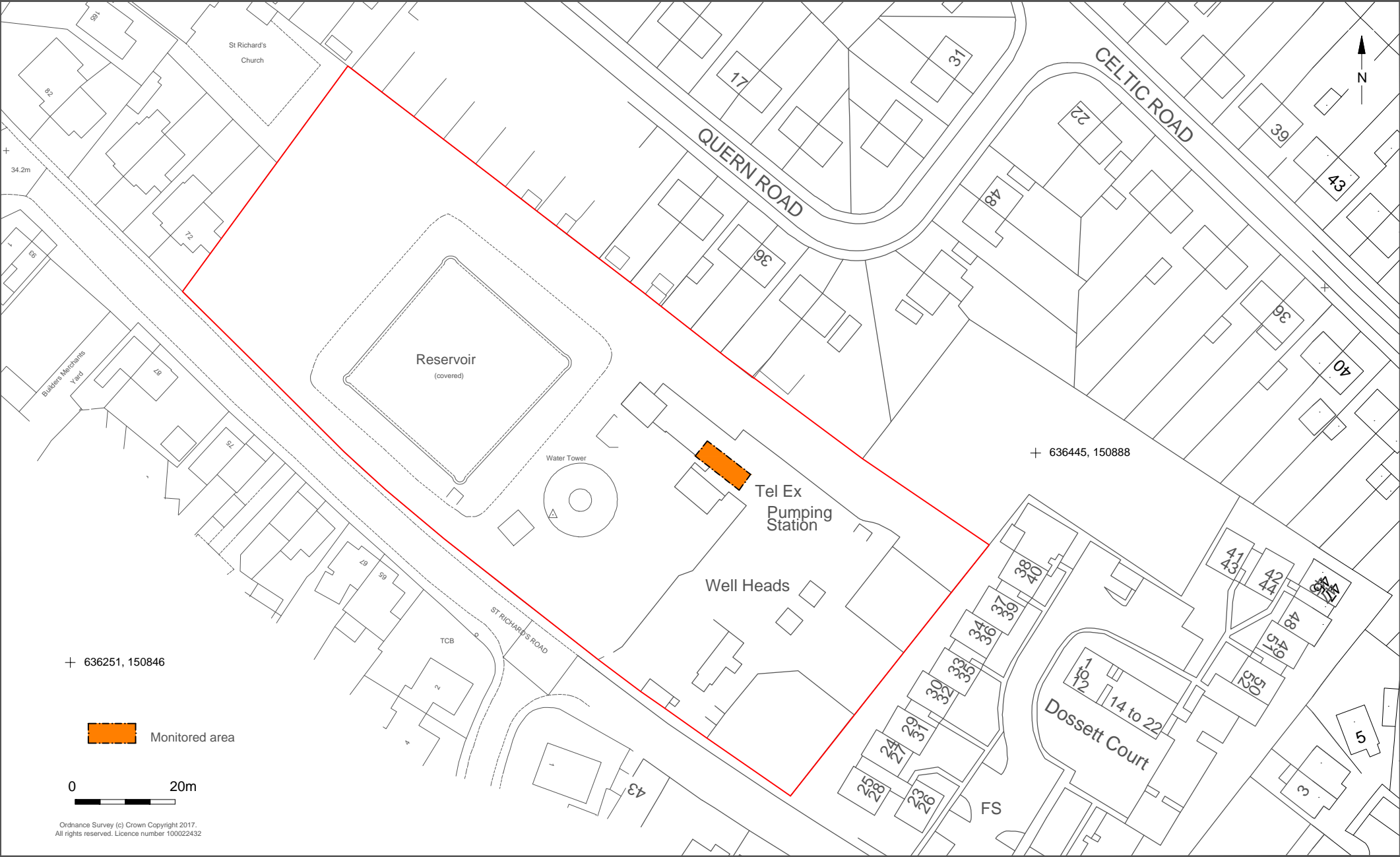
Project design originator Archaeology South-East

Project director/manager	Paul Mason
Project supervisor	Simon Stevens
Type of sponsor/funding body	Client
Name of sponsor/funding body	Southern Water
Project archives	
Physical Archive recipient	Dover Museum
Physical Contents	"other"
Digital Archive recipient	Dover Museum
Digital Contents	"other"
Digital Media available	"Images raster / digital photography"
Paper Archive recipient	Dover Museum
Paper Contents	"other"
Paper Media available	"Context sheet", "Miscellaneous Material", "Notebook - Excavation", "Research", "General Notes", "Unpublished Text"
Project bibliography	
1	
Publication type	Grey literature (unpublished document/manuscript)
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© Archaeology South-East		Deal Water Supply Works, St. Richards Road, Deal, Kent	Fig. 1
Project Ref: 170616	July 2017	Site location	
Report Ref: 2017300	Drawn by: AR		





© Archaeology South-East		Deal Water Supply Works, St. Richards Road, Deal, Kent	Fig. 2
Project Ref: 170616	July 2017		
Report Ref: 2017300	Drawn by: AR	Plan of monitored area	



general view of monitored area, looking south west



Excavation area, looking south east

© Archaeology South-East		Deal Water Supply Works, St. Richards Road, Deal, Kent	Fig. 3
Project Ref: 170616	July 2017	Photographs of monitored work	
Report Ref: 2017300	Drawn by: AR		



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