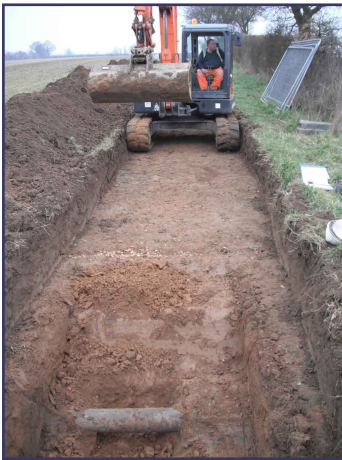


Windmill Lane  
TPS Rising Main  
Replacement Scheme  
Capel St Mary,  
Suffolk



**Archaeological  
Watching Brief Report**



September 2013

**Client: Anglian Water**

OA East Report No: 1468

OASIS No: oxfordar3-157256

NGR: TM 07713 38015 and TM 08116 38151

**Windmill Lane TPS Rising Main Replacement Scheme**

**Capel St Mary, Suffolk**

**Watching Brief**

*Invoice Code: XSFCSM13*

*SHER Event No and Site Code: CSM 037*

*Date of Works: 20th March 2013, 11-12 March 2014*

*Report No: 1468*

*Ipswich Museum Accession Code:IPSMG: R.2013.25*

*Excavator:Kate Clover, Helen Stocks-Morgan, Rob Wiseman*

*Client:Anglian Water*

*Report Date: 14th March 2014*

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## **Summary**

*On 20 March 2013 and 11–12 March 2014, OA East carried out an archaeological watching brief at six locations between Great Wenham Sewage Treatment Works and the village of Capel St Mary (TM 07713 38015, TM 08116 38151, TM 08189 38159, TM 08237 38208, TM 08220 38290, TM 08200 38280). The monitoring was carried out during the machine excavation of four pits dug to locate a sewer pipe, and two pits for pipeline drilling. No archaeological features or finds were revealed.*

## 1 SITE LOCATION

- 1.1.1 A rising sewer main runs from Great Wenham Sewage Treatment Works eastwards to Windmill Hill TPS, Capel St Mary (Figure 1). Six pits were dug to, firstly, locate the pipeline and, secondly, to prepare for drilling of a replacement sewage pipe under the brook between Great Wenham and Capel St Mary.
- 1.1.2 The first two trial pits were dug within ploughed fields to the east of the village of Great Wenham and to the west of Capel St Mary, within Capel St Mary parish. The trial holes were dug by Anglian Water's contractors in order to locate this sewer pipe prior to its replacement. The first trial pit (A) was dug at TM 07713 38015, in a field 150m to the east of Great Wenham Sewage Treatment Works. The second trial pit (B) was dug at TM 08116 38151 in a field to the west of Windmill Hill, Capel St Mary (Figure 1).
- 1.1.3 The two drilling pits were dug near the current pumping station, east of the village of Capel St Mary, within the Capel St Mary Parish. The trial holes were dug by Anglian Water's contractors. These pits were the entry and exit points for drilling under a small brook that runs between the pumping station and Great Wenham Sewage Treatment Works. The first pit (C) was immediately to the west of the pumping station at TM 08237 38208. The other pit (D) was dug on the opposite side of the brook, at TM 08189 38159.
- 1.1.4 The final two pits were dug to locate the sewage pipe between the pumping station and the brook. The first pit (E) was 25.2 metres southwest of the pumping station at TM 08220 38290. The other pit (F) was dug a further 25.3 metres towards the brook at TM 08200 38280.

## 2 GEOLOGY AND TOPOGRAPHY

- 2.1.1 The bedrock is silty clays of the Thames Group. Trial Pit A came down onto superficial deposits of glaciofluvial sands and gravels. Trial Pit B lies within a river valley and the superficial geology was river alluvium (silty clay) (<http://mapapps.bgs.ac.uk/geologyofbritain/home.html>).

## 3 ARCHAEOLOGICAL BACKGROUND

- 3.1.1 The proposed route is located within an area of archaeological interest, as recorded in the county Historic Environment Record. The route lies in proximity to a Roman villa site (HER no. CSM002) as well as a number of Roman findspots (CSM 009). Additionally it is located in an area which is topographically favourable for early occupation. As a result there is a high potential for hitherto unknown archaeological remains to be disturbed by development in this area. The works had the potential to damage any archaeological deposits that exist.

## 4 OBJECTIVES AND METHODOLOGY

- 4.1.1 The objective of this watching brief was to determine, as far as reasonably possible, the presence/absence, location, nature, extent, date, quality, condition and significance of any surviving archaeological deposits within the trial pits.
- 4.1.2 The investigation followed the brief for the work which was written by Suffolk County Council Archaeology Service Conservation Team.
- 4.1.3 The trial pits were stripped of topsoil and subsoil by a 360° tracked mechanical excavator fitted with a toothless ditching bucket. The stripping was continuously

monitored by an archaeologist and the upcast soil was also visually scanned. Digital photographs of each pit were taken. The location and altitude of each pit was obtained through a handheld GPS.

- 4.1.4 All archaeological features and deposits were recorded using OA East's *pro-forma* sheets. Trench locations, plans and sections were recorded at appropriate scales. Digital photographs were taken of all relevant features and deposits.
- 4.1.5 Weather conditions were favourable.

## 5 RESULTS

### 5.1 Trial Pit A

- 5.1.1 Trial Pit A was more of a trench than a pit, being 2.3m wide, 42m long and 0.6m deep. 0.5m depth of mid brown sandy topsoil overlaid 0.1m of mid brown silty sand subsoil. At the northern end of the trench, sandy natural was revealed below the subsoil.
- 5.1.2 No archaeological features or finds were revealed. This may be because natural ground was not reached in most of the length of the trench and the subsoil may have been masking features. Two land drains were revealed and some shadowy patches within the subsoil. The sewer pipe was located 7m from the southern end of the trench at 1m below ground level (Plate 1).

### 5.2 Trial Pit B

- 5.2.1 Trial Pit B was 1.7m wide and 2.3m long. It was dug to 1m depth. 0.3m of dark brown topsoil overlaid 0.2m of mid brown sandy silt subsoil. Beneath this was 0.2m thickness of light grey sandy silt natural (river alluvium) overlying orange sandy silt clay (Thames Group bedrock). The sewer pipe was exposed at 1m below ground level.
- 5.2.2 No archaeological features or finds were revealed.

### 5.3 Drilling Pit C

- 5.3.1 Drilling pit C was an irregularly-shaped pit 9.0m by 4.5m, dug to locate the existing pipeline and pipe joins for the sewage pumping station at TM 08237 38208. This was dug to the depth of the existing pipeline (1.1m). Three strata were noted: (a) topsoil, 0.3m deep, consisting of loose mid-greyish brown clayey silt (b) subsoil, 0.3m deep, consisting of a mid-greyish brown clayey silt, with occasional fragments of ceramic building material; (c) a lower mixed layer, combining the underlying peat soil with silt: 0.5m thick, consisting of whitish-grey silt mixed with black peat.
- 5.3.2 No archaeological features or finds were revealed.

### 5.4 Drilling Pit D

- 5.4.1 A drilling pit 2.0m wide and 3.0m long was dug. This pit was dug to the depth of the existing pipeline (1.4m). 0.5m of dark brown topsoil overlaid a mid-orange brown silty clay. This had been substantially disturbed by the digging of this existing pipeline, which occupied almost the full width of the Drilling Pit. The pipeline was buried at a depth of 1.4m. The pipeline itself was bedded in a layer of shingle.
- 5.4.2 No archaeological features or finds were revealed.

## **5.5 Trial Pit E**

5.5.1 A small pit 1.5m long and 0.6m wide was dug to locate the existing sewage pipe and confirm its direction. The pipe was at a depth of 0.65m. The topsoil was 0.3 m in depth, and the subsoil 0.35m.

No archaeological features or finds were revealed.

## **5.6 Trial Pit F**

5.6.1 A small pit 1.9m long and 0.7m wide was dug to locate the existing sewage pipe and confirm its direction. The pipe was at a depth of 0.75m. The topsoil was 0.05 m in depth, and the subsoil 0.7m.

No archaeological features or finds were revealed.

## **6 DISCUSSION AND CONCLUSIONS**

6.1.1 No finds or features of archaeological significance were recorded during the groundworks.

## **7 ACKNOWLEDGEMENTS**

7.1.1 The author would like to thank Mike Salcombe and Anglian Water who commissioned and funded the archaeological work. The project was managed by Richard Mortimer, and the fieldwork was carried out by Kate Clover, Helen Stocks-Morgan and Rob Wiseman, all of OA East.

7.1.2 The brief for archaeological works was written by Rachael Monk of SCCAS/ CT.



## APPENDIX A. OASIS REPORT FORM

All fields are required unless they are not applicable.

### Project Details

OASIS Number	oxfordar3-157256			
Project Name	Windmill Lane TPS Rising Main Replacement Scheme, Capel St Mary, Suffolk, Watching Brief			
Project Dates (fieldwork)	Start	20-03-2013	Finish	12-03-2014
Previous Work (by OA East)			Future Work	Unknown

### Project Reference Codes

Site Code	CSM 037	Planning App. No.	
HER No.	CSM 037	Related HER/OASIS No.	CSM 002

### Type of Project/Techniques Used

Prompt

### Please select all techniques used:

<input type="checkbox"/> Field Observation (periodic visits)	<input type="checkbox"/> Part Excavation	<input type="checkbox"/> Salvage Record
<input type="checkbox"/> Full Excavation (100%)	<input type="checkbox"/> Part Survey	<input type="checkbox"/> Systematic Field Walking
<input type="checkbox"/> Full Survey	<input type="checkbox"/> Recorded Observation	<input type="checkbox"/> Systematic Metal Detector Survey
<input type="checkbox"/> Geophysical Survey	<input type="checkbox"/> Remote Operated Vehicle Survey	<input type="checkbox"/> Test Pit Survey
<input type="checkbox"/> Open-Area Excavation	<input type="checkbox"/> Salvage Excavation	<input checked="" type="checkbox"/> Watching Brief

### Monument Types/Significant Finds & Their Periods

List feature types using the [NMR Monument Type Thesaurus](#) and significant finds using the [MDA Object type Thesaurus](#) together with their respective periods. If no features/finds were found, please state "none".

Monument	Period	Object	Period
<input type="text"/>	Select period...	<input type="text"/>	Select period...
<input type="text"/>	Select period...	<input type="text"/>	Select period...
<input type="text"/>	Select period...	<input type="text"/>	Select period...

### Project Location

County	Suffolk	Site Address (including postcode if possible)
District		Windmill Lane TPS Rising Main Replacement Scheme, Capel St Mary, Suffolk
Parish	Capel St Mary & Gt Wenham	
HER	Suffolk	
Study Area		National Grid Reference
		TM 0785 3810(c)

### Project Originators

Organisation	OA EAST
Project Brief Originator	Rachael Monk, SCCAS/CT
Project Design Originator	Richard Mortimer, OA East
Project Manager	Richard Mortimer, OA East
Supervisor	Kate Clover, OA East

### Project Archives

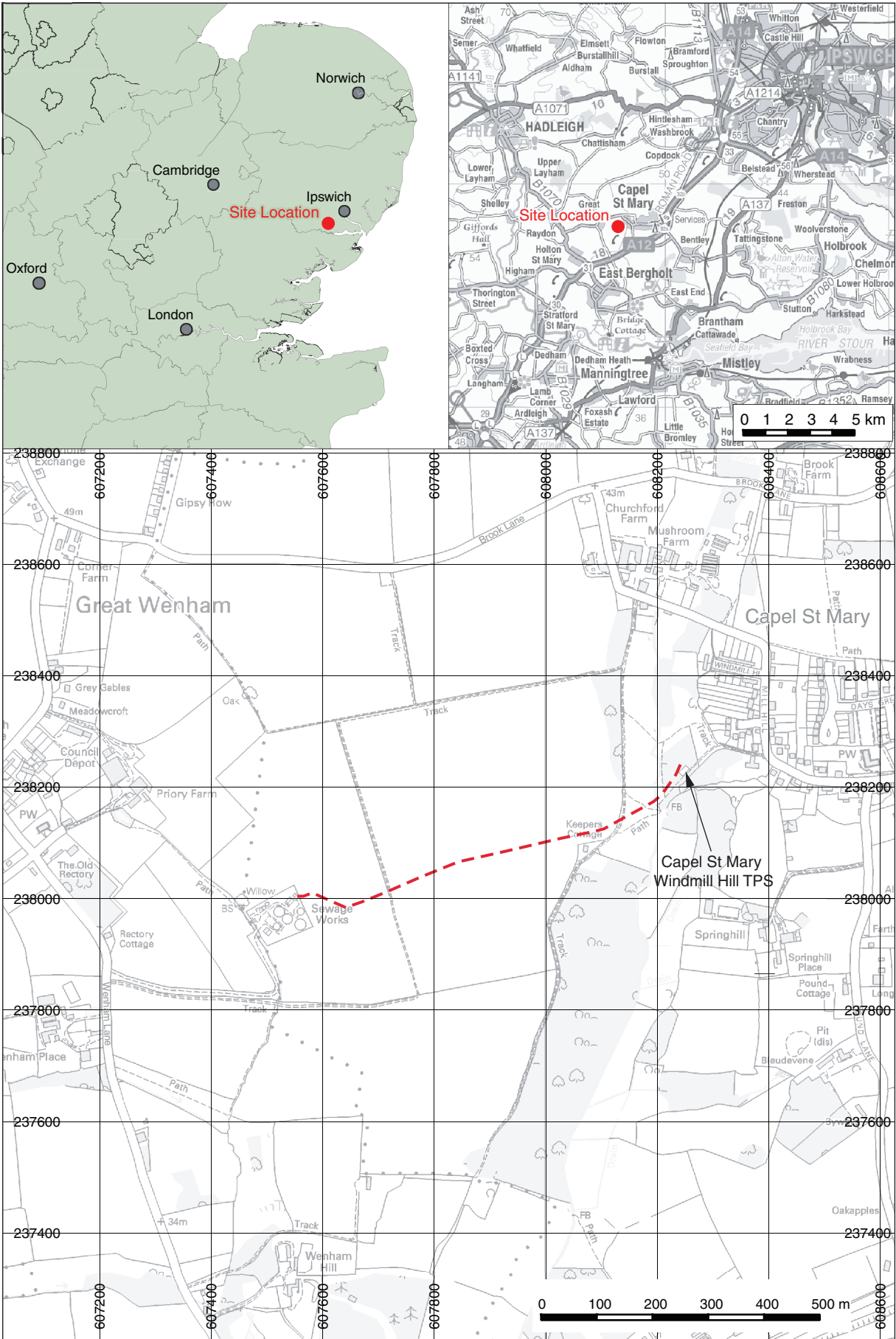
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N/A	OA East and then Ipswich Museum	OA East and then Ipswich Museum
N/A	IPSMG: R.2013.25	IPSMG: R.2013.25

### Archive Contents/Media

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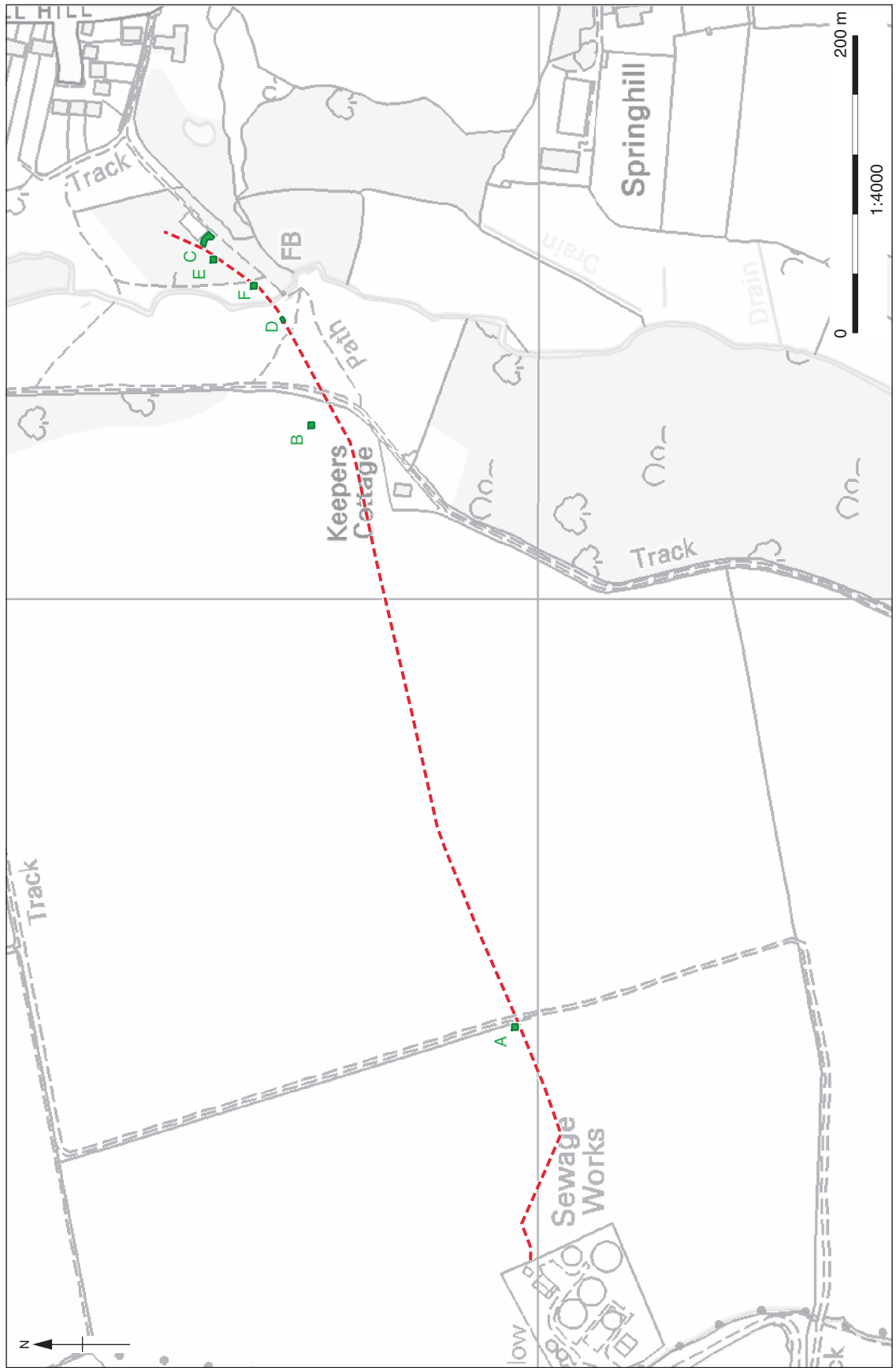
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### Notes:



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Figure 1: Site location showing new rising sewer main (red)



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**Figure 2: Site plan showing test pits (green) and new rising sewer main (red)**



Plate 1: Test Pit A. View from the south



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