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LINDSEY

ARCHAEOLOGICAL
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**Fishtoft Rising Main Replacement Phase 2
Fishtoft, Lincs.
Archaeological Monitoring and Recording**

**NGR: TF 3565 4414 – 3655 4440
LAS Site Code: FIRM 08
LCNCC Museum Accn. No.: 2008.144**

**Report
for
Anglian Water Services Ltd
by G. Tann**

LAS Report No. 1090

November 2008



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Fishtoft Rising Main Replacement Phase 2, Fishtoft, Lincs.

Archaeological Monitoring and Recording

NGR: TF 3565 4414 – 3655 4440

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Summary

No archaeological features or artefacts were identified throughout archaeological monitoring of groundworks for a new rising main.

Introduction

Lindsey Archaeological Services (LAS) was commissioned by Anglian Water Services Ltd in September 2008 to undertake an archaeological watching brief during the installation of a replacement rising main between Fishtoft and an existing Sewage Treatment Works to the west of Hobhole Drain (Figs. 1 and 2).

Monitoring was conducted by Mike Garrett during 10 visits between November 12th and 26th 2008.

Site Location

The dispersed settlement of Fishtoft is located to the east of Boston Haven, 4km south-east of Boston. The pipeline route is to the north of the parish, and crosses in a south-west/north-east alignment from north-west of housing north of Priory Road across fields to Wythes Lane, and then on the same alignment to an existing treatment works west of Hobhole Drain. The land is at about 2m OD.

Planning Background

The proposed scheme lies outside the planning process and is covered under Anglian Water's Best Practice policy. Lincolnshire County Council's Historic Environment Officer commented on the archaeological implications of the scheme and requested archaeological monitoring and recording during the construction of the pipeline (email to LAS, 5/9/2008).

Archaeological Background

The settlement of Toft is mentioned in the *Domesday Survey* of 1086, and was of Anglo-Saxon origin. The name Fishtoft is not recorded before 1416 (Cameron 1998, 44).

The route is to the south-east of the presumed site of the lost medieval village of Fenne, where a large number of medieval and post-medieval finds have been recorded as a result of fieldwalking. Finds of medieval coins to the north of the site, and more finds of pottery and indications of possible buildings to the south suggest a lot of activity in this area during that period.

Archaeological Monitoring and Recording (Fig. 3)

The purpose of the Archaeological Monitoring and Recording was to identify, examine and record any evidence of archaeological features or artefacts which were revealed during the groundworks for the scheme.

Monitoring was requested along the c.750m long new rising main. Nine launch and reception pits were excavated by the contractors (Fig. 2). One section of the scheme was open-cut to a similar depth.

Numbers were assigned by LAS to each of the contractors' pits or trenches for recording purposes, and context numbers were assigned to soil layers within those trenches. The context numbers are used in bold type in this report, and are listed (Appendix 1).

Field west of Wythes Lane

The new rising main connected with an existing valve at the western edge of the cultivated field west of Wythes Lane. The valve had been installed as part of Phase 1 of the Fishtoft Rising Main scheme at an earlier date, on the line of an existing rising main. Four directional drilling pits (**Pits 1-4**) were excavated in this field, at intervals of between 75m and 103m. At the eastern end of the field, the main was directionally drilled below Wythes Lane between Pits 4 and 5. The easement was stripped of about 0.3m topsoil before excavation of the pits began.

Pit 1 was excavated beside the existing main, as was Pit 2. A yellow/brown sandy subsoil was present in Pits 3 and 4. This layer sealed sand layers of varying pale hues.

Field East of Wythes Lane

Four directional drilling pits (**Pits 5, 6, 10 and 13**) were excavated in this field, at 96m intervals. The topsoil sealed layers of sands, similar to those seen to the west.

Field south of the Sewage Treatment Works Compound

Pit 14 was excavated to the south-west of the Sewage Treatment Works Compound, beside a concrete trackway. Multiple thin layers of sand were present below the topsoil.

Field west of the Sewage Treatment Works Compound

Pit 15, a 4.5m long length of open-cut trench, was excavated in this field, north of Pit 14. As in Pit 14, multiple thin layers of sand were present.

Sewage Treatment Works Compound

Pits 7-9, 11 and 12 were excavated within the south-west corner of the existing Sewage Treatment Works compound. All were excavated through ground previously disturbed when the Treatment Works was constructed.

Conclusion

No archaeological features or artefacts were identified during archaeological monitoring of this scheme.

Acknowledgements

LAS would like to thank Mick White (Anglian Water Services Ltd), and their contractors UCS Civils, for their assistance. Further help was given by Louise Jennings (Historic Environment Officer, Lincolnshire County Council).

Illustrations were produced by Mick McDaid, and the report was edited by Naomi Field.

Geoff Tann
Lindsey Archaeological Services
November 26th 2008

References

Cameron, K. 1998 *A Dictionary of Lincolnshire Place-Names*.

Contents of the Site Archive

Field sections and plans

Context sheets

Correspondence

Photographs: colour prints, LAS Film Nos. 08/121; 08/123; LAS digital film 08/126.

APPENDIX 1

APPENDIX 1

Context Summary: FIRM 08

Context No.	Pit/Trench No.	Type	Description	Thickness
101	1	Topsoil	Modern	0.6
102	1	Subsoil	Yellow/brown sand	0.2
103	1	Layer	Grey brown sand	0.9
104	1	Layer	Light grey/brown sand	0.4
201	2	Topsoil	Modern	0.55
202	2	Subsoil	Light grey/brown sand	0.15
203	2	Land Drain	Modern	
204	2	Land Drain cut	Modern	
205	2	Pipe Trench fill	Modern	
206	2	Pipe Trench cut	Modern	
207	2	Layer	Light grey/brown sand	0.65
208	2	Layer	Very pale grey/brown sand	0.8
301	3	Topsoil	Modern	0.6
302	3	Layer	Yellow/brown sand	0.25
303	3	Layer	Light grey/brown sand	1
401	4	Topsoil	Modern	0.6
402	4	Subsoil	Yellow/brown sand	0.2
403	4	Land Drain	Modern	
404	4	Land Drain cut	Modern	
405	4	Layer	Light grey/brown sand	0.8
406	4	Layer	Yellow/brown sand	0.65
501	5	Topsoil	Modern	0.7
502	5	Layer	Yellow/brown sand	
601	6	Topsoil	Modern	0.4
602	6	Subsoil	Brown silty sand	0.2
603	6	Layer	Yellow/brown sand	
701	7	Topsoil	Modern	0.3
702	7	Layer	20thC pipe trench backfill	0.5
703	7	Layer	20thC pipe trench backfill	0.45
801	8	Topsoil	Modern	0.3
802	8	Layer	20thC pipe trench backfill	1.2
901	9	Topsoil	Modern	0.3
902	9	Layer	20thC pipe trench backfill	1.2
1001	10	Topsoil	Modern	0.45
1002	10	Layer	Very pale orange/grey sand	0.3
1003	10	Layer	Yellow/brown sand	0.07
1004	10	Layer	Light grey/brown sand	0.05
1005	10	Layer	Yellow/brown sand	0.1
1006	10	Layer	Light grey/brown sand	0.1
1007	10	Layer	Yellow/brown sand	1.2
1101	11	Topsoil	Modern	0.2
1102	11	Layer	20thC pipe trench backfill	1.6
1201	12	Topsoil	Modern	0.3
1202	12	Layer	20thC pipe trench backfill	1.5
1301	13	Topsoil	Modern	0.35
1302	13	Layer	Orange/brown silty sand	0.3
1303	13	Layer	Yellow/brown sand	0.15

1304	13	Layer	Light grey/brown sand	0.05
1305	13	Layer	White sand	1.2
1401	14	Topsoil	Modern	0.5
1402	14	Layer	Yellow/brown sand	0.1
1403	14	Layer	Light grey/brown sand	0.02
1404	14	Layer	Yellow/brown sand	0.06
1405	14	Layer	Light grey/brown sand	0.02
1406	14	Layer	Light grey/brown sand	
1501	15	Topsoil	Modern	0.65
1502	15	Layer	Yellow/brown sand	0.3
1503	15	Layer	Light grey/brown sand	0.03
1504	15	Layer	Yellow/brown sand	0.22
1505	15	Layer	Light grey/brown sand	0.05
1506	15	Layer	White sand	0.2
1507	15	Layer	Light grey/brown sand	0.03
1508	15	Layer	Yellow/brown sand	0.04
1509	15	Layer	Light grey/brown sand	0.02
1510	15	Layer	Yellow/brown sand	0.56

APPENDIX 2

APPENDIX 2

Dimensions of the Monitored Pits and Trenches

Pit No.	Location	Depth (m)	Dimensions (m)
1	west of Wythes Lane	1.8	2.65 x 2.25
2	west of Wythes Lane	2	
3	west of Wythes Lane	1.45	3.5 x 1.8
4	west of Wythes Lane	1.8	3 x 2.7
5	east of Wythes Lane	2.5	3.5 x 1.8
6	east of Wythes Lane	2.1	4 x 3
7	sewage works compound	1.25	1.8 x 0.8
8	sewage works compound	1.5	2 x 0.8
9	sewage works compound	1.5	2.4 x 0.8
10	east of Wythes Lane	2.2	3 x 3
11	sewage works compound	1.8	4.5 x 1.2
12	sewage works compound	1.8	15.5 x 1.2
13	east of Wythes Lane	2.3	5 x 4.2
14	south of sewage works	2.3	4.2 x 2.4
15	west of sewage works	2	

OASIS DATA COLLECTION FORM
English

APPENDIX 3

OASIS DATA COLLECTION FORM: England

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OASIS ID: lindseya1-52304

Project details

Project name Fishtoft Rising Main Replacement Phase 2 Fishtoft, Lincs.
 Short description of the project No archaeological features or artefacts were identified throughout archaeological monitoring of groundworks for a new rising main between Fishtoft and an existing Sewage Treatment Works to the west of Hobhole Drain.
 Project dates Start: 12-11-2008 End: 26-11-2008
 Previous/future work No / No
 Any associated project reference codes FIRM 08 - Sitecode
 Any associated project reference codes LCNCC 2008.144 - Museum accession ID
 Type of project Recording project
 Site status None
 Current Land use Cultivated Land 3 - Operations to a depth more than 0.25m
 Monument type NONE None
 Significant Finds NONE None
 Investigation type 'Field observation','Recorded Observation','Watching Brief'
 Prompt Water Act 1989 and subsequent code of practice

Project location

Country England
 Site location LINCOLNSHIRE BOSTON FISHTOFT Fishtoft Rising Main Replacement Phase 2, Fishtoft, Lincs.
 Postcode PE22 0
 Study area 7500.00 Square metres
 Site coordinates TF 356 441 52.9767408279 0.01977773241030 52 58 36 N 000 01 11 E Point
 Site coordinates TF 365 440 52.9756133921 0.03313197086660 52 58 32 N 000 01 59 E Point
 Height OD / Depth Min: 1.50m Max: 1.50m

Project creators

Name of Organisation	LINDSEY ARCHAEOLOGICAL SERVICES
Project brief originator	Contractor (design and execute)
Project design originator	Naomi Field
Project director/manager	Geoff Tann
Project supervisor	Mike Garrett
Type of sponsor/funding body	Water Authority/Company
Name of sponsor/funding body	Anglian Water Services Ltd

Project archives

Physical Archive Exists?	No
Physical Archive recipient	LCNCC
Digital Archive recipient	Lindsey Archaeological Services
Digital Contents	'Stratigraphic','Survey'
Digital Media available	'Spreadsheets','Text'
Paper Archive recipient	LCNCC
Paper Archive ID	LCNCC 2008.144
Paper Contents	'Stratigraphic','Survey'
Paper Media available	'Context sheet','Correspondence','Drawing','Map','Photograph','Plan','Report','Section'

Project bibliography 1

Publication type	Grey literature (unpublished document/manuscript)
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THE FIGURES

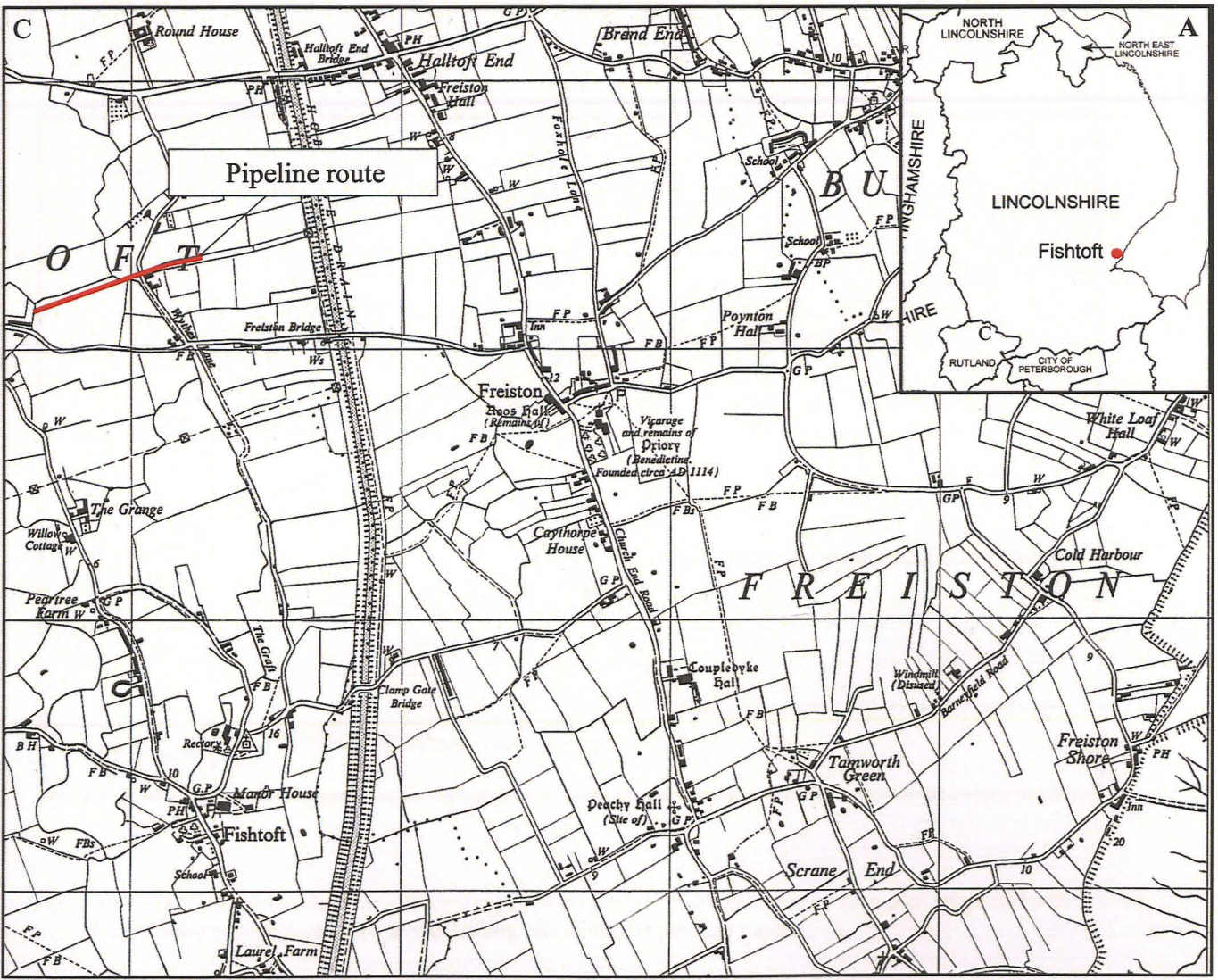
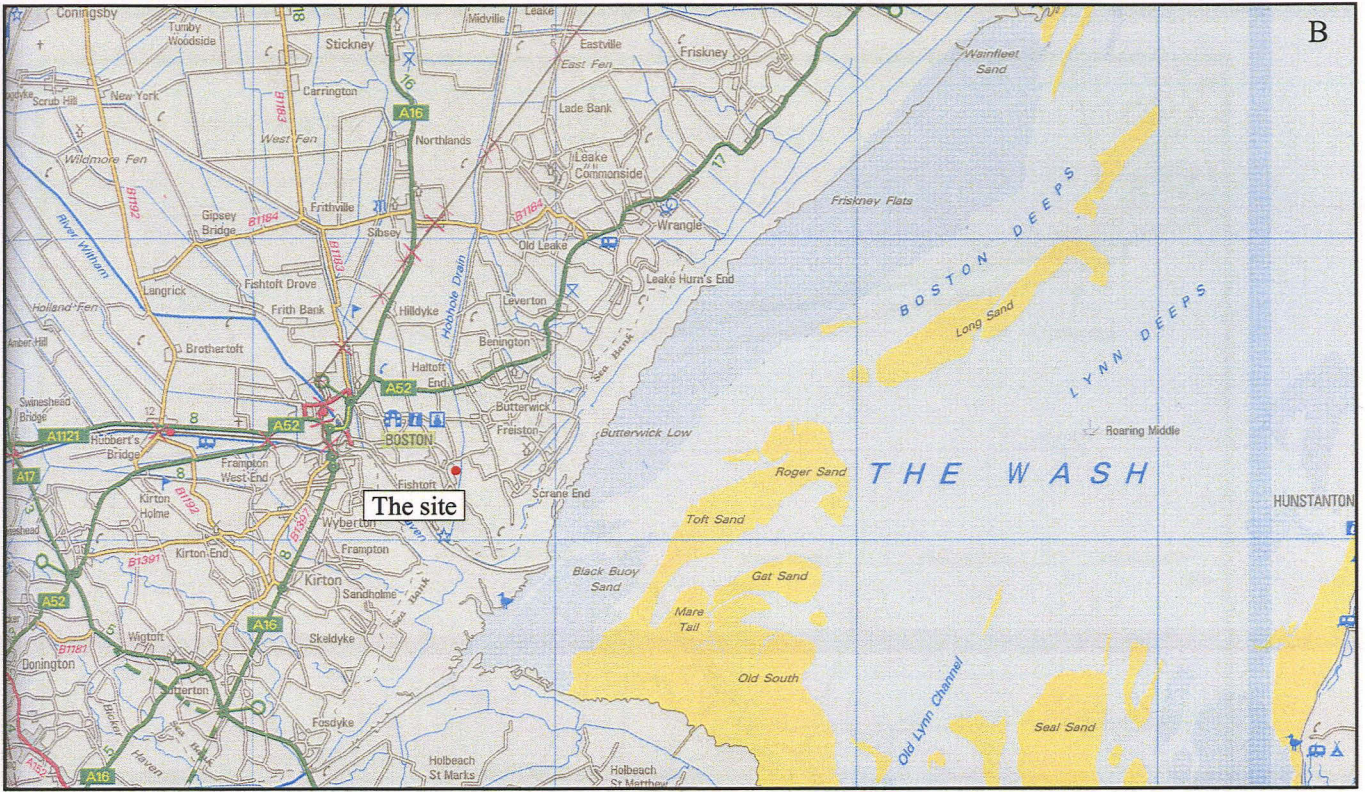


Fig. 1 Location of Fishtoft (C based on the 1960 1:25,000 Ordnance Survey Map TF 34 © Crown Copyright, reproduced with the permission of the Controller of HMSO. LAS Licence No.AL 100002165).

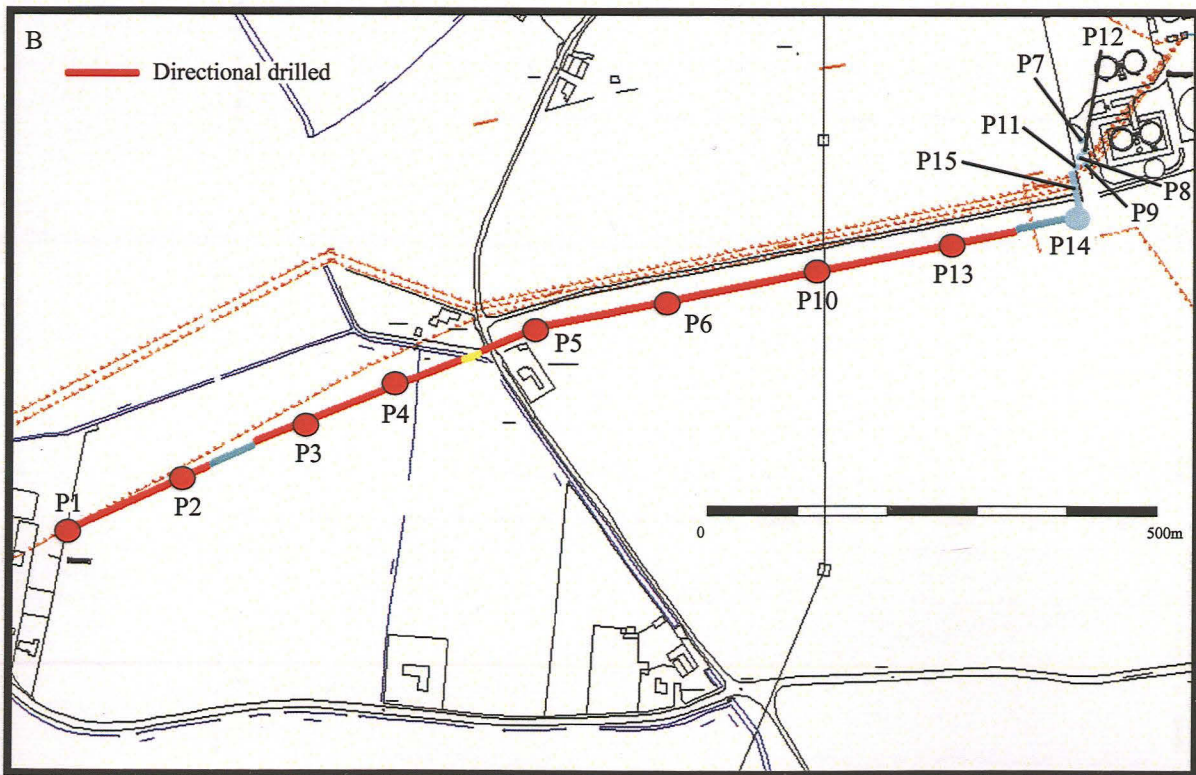
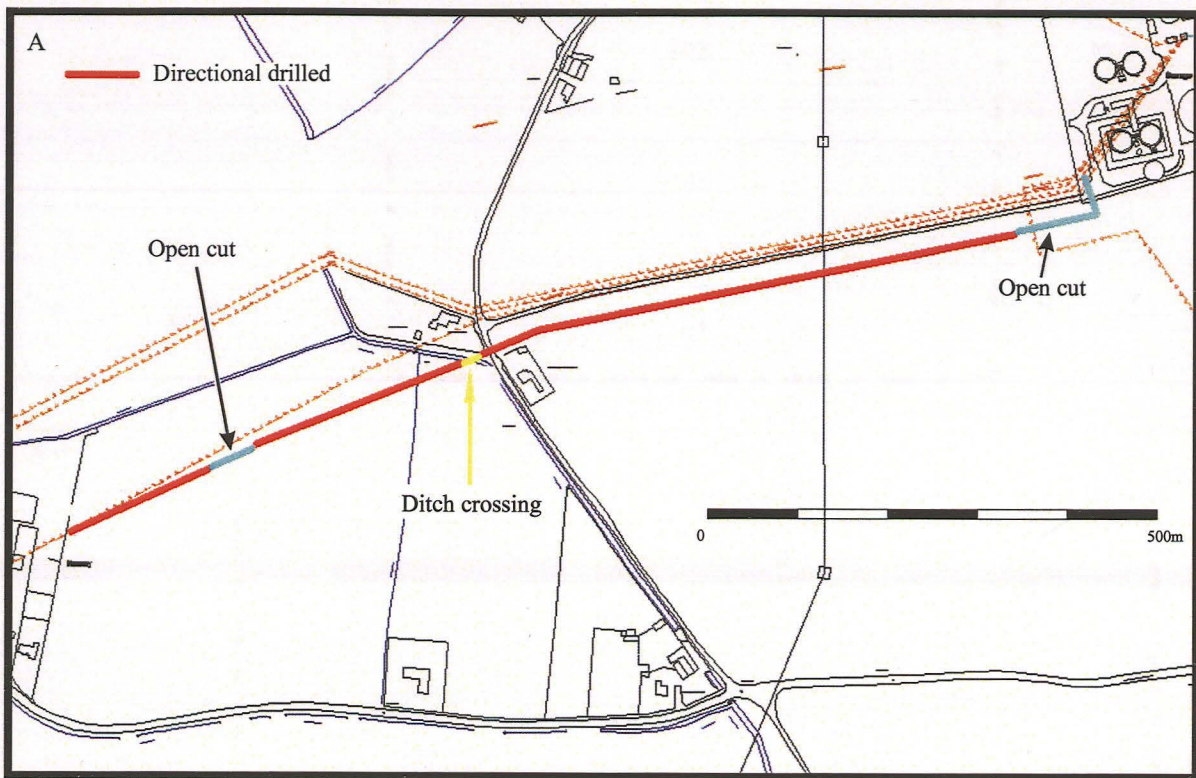


Fig. 2 A) The pipeline route showing different types of excavation techniques (based on a plan supplied by the client).
 B) Location of monitored directional drilling pits along the pipeline route.

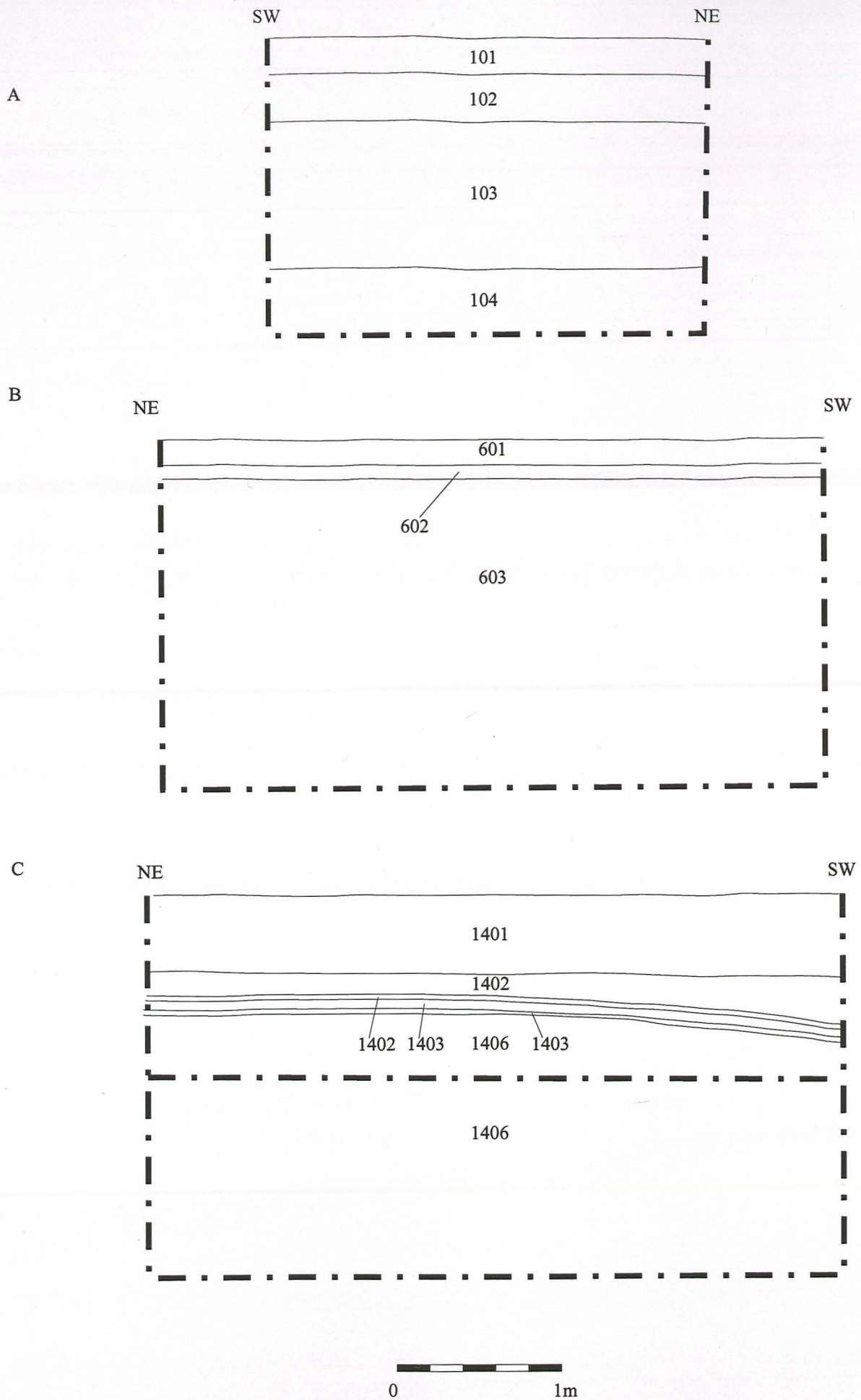


Fig. 3 Selected sections of directional drilling pits.
 A) Pit 1 section.
 B) Pit 6 section.
 C) Pit 14 section.

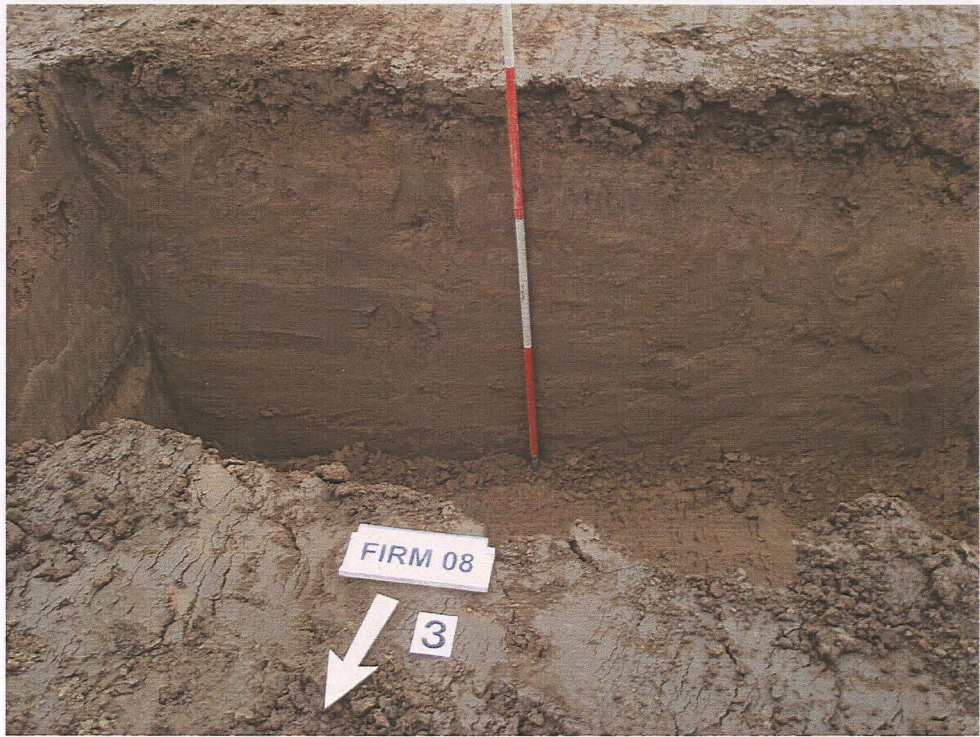
THE PLATES



PI. 1 The pipeline easement west of Wythes Lane (looking west).



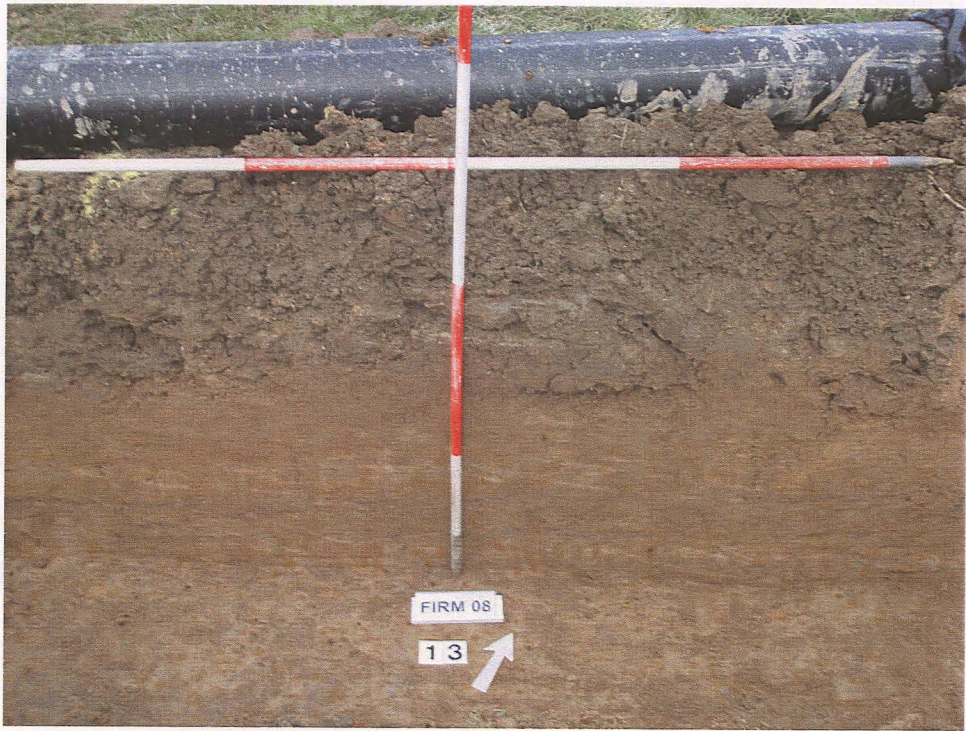
PI. 2 The pipeline easement east of Wythes Lane (looking west).



PI. 3 Pit 2 (looking south, scale 2m).



PI. 4 Pit 5 (looking north, scale 2m).



PI. 5 Pit 13 (looking north, scales 2m).



PI. 6 Location of Pits 11 and 12 within the sewage works compound (looking north).



Pl. 7 Pits 11 and 12 (looking north).