

ADDENDUM
Proposed Southrey Re-route

Hatton to Silk Willoughby
High Pressure Natural Gas Supply Pipeline

Prepared by
NETWORK ARCHAEOLOGY LTD
for
MOUCHEL CONSULTING LTD

May 2000

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1 SUMMARY

1.1.1 This Addendum deals with the proposed re-route to the west of Southrey, Lincs. (Sheets 5a & 6a).

1.1.2 A moderate density of *known* archaeological remains are recorded within this area.

1.2 General Impacts and Recommendations

1.2.1 As well as the small number of *known* archaeological sites affected by the re-routes, there is potential for the existence of significant *unknown* remains.

1.3 Site Specific Impacts and Recommendations

1.3.1 Fifteen sites, not including former field divisions, have been identified within the study corridor of the Southrey re-route. Only three are located directly in the path of the proposed pipeline.

1.3.2 All of the sites have been placed into one of five categories, ranging in significance from Scheduled Ancient Monuments (Category A) to former field divisions (Category E).

1.3.3 At this stage no Category A, B or C sites are directly affected by the proposed pipeline. No re-routes, therefore, are recommended.

1.3.4 Sites which at this stage do not appear to be cut by the proposed route, but lie close enough to have the potential to be affected, should be re-evaluated at the end of the Stage 3 investigations.

2 INTRODUCTION

2.1 General

- 2.1.1 In May 2000, Network Archaeology Limited (NAL) was commissioned to carry out an additional Archaeological Desk-Based Assessment of a proposed re-route along the *Hatton to Silk Willoughby* natural gas pipeline.

3 METHOD OF ASSESSMENT

- 3.1 The same method of assessment was used in the production of this addendum as in the main report, excluding viewing of the NMR collection of vertical and oblique photographs (NAL, Report No. 147, Section 3, pg. 5).

4 DESCRIPTION OF THE PROPOSED PIPELINE RE-ROUTE

4.1 Location and Topography

- 4.1.1 This re-route runs to the west of the village of Southrey, crossing the river Witham immediately south of Nocton Delph. The new study corridor covers a distance of approximately 2.3 km.
- 4.1.2 The land along the re-route is low lying and of low relief.
- 4.1.3 The underlying geology consists of Boulder Clay and river terrace gravels.

4.2 Landuse

- 4.2.1 This area has been intensively farmed since at least the medieval period and is principally arable.

5 ARCHAEOLOGICAL AND HISTORICAL BACKGROUND

A general background to each period can be found within the main report (NAL, Report No. 147, Section 5, pg. 7-14).

5.1 Palaeolithic - Iron Age (c.250,000 - c. 600 BC)

- 5.1.1 No firmly dated evidence for the prehistoric period has been found within this study corridor, although a possible prehistoric settlement cropmark is noted at TF 1255 6704 (MON 1043962).

5.2 Romano-British (AD 43)

- 5.2.1 Apart from a single worn coin of Trajan or Hadrian, found in a garden at Southrey, there is no recorded evidence of Roman activity in this area.

5.3 Anglo-Saxon (AD 410)

- 5.3.1 No known Anglo-Saxon activity has been recorded within this area.

5.4 Medieval (AD 1066)

- 5.4.1 The village of Southrey is first recorded in the Domesday book of 1066.
- 5.4.2 Remains of a medieval moated monastic retreat, Seney Place, are situated to the north-west of Southrey village (SAM 31608 & LSMR 50275).
- 5.4.3 Remnants of the medieval field system in the form of ridge and furrow earthworks are recorded around Seney Place (DBA:DG).

5.5 Post-Medieval/Modern (late 15th - present day)

- 5.5.1 A pre-enclosure map dating to 1821 shows an extensive open field system still farmed in narrow strips. The proposed pipeline crosses the area formerly known as 'West Field'.
- 5.5.2 A variety of buildings survive from this period. Often their sites are still occupied, and they are unlikely to be directly affected by pipeline construction. However, a number of buildings shown on early maps are no longer present; these are mostly small with no name or description, suggesting agricultural buildings such as barns or sheds (DBA:OZ, DBA:PA, DBA:PD).
- 5.5.3 The re-route crosses a former railway line running south from Bardney sugar factory (DBA:AA).

6 EXPLANATION OF GAZETTEER / CRITERIA FOR GRADING SITES / RELIABILITY AND POTENTIAL LIMITATIONS OF DATA

A full explanation of all these subjects can be found within the main report (NAL, Report No. 147, Sections 6-8, pg. 15-18).

7. ASSESSMENT OF IMPACTS AND RECOMMENDATIONS

7.1 SITE-SPECIFIC IMPACTS & RECOMMENDATIONS

- 7.1.1 In an ideal situation, all known archaeological constraints would be avoided. However, this is impracticable, and for this reason the known sites have been graded A-E, and the level of impact assessed for each site in order to provide an indication as to the significance of the sites within the proposed re-route study corridor. This information is summarised below in Table 1:

Description	Category	Total number of sites in 1km corridor	Total number of sites crossed by proposed easement
Legally protected site	A	1	0
Nationally or regionally important site; currently not legally protected	B	0	0
Locally important site and/or site of uncertain character and/or date	C	5	0
Other site	D	6	2
Former pond, single find spot etc. (excluding former field divisions)	E	3	1
TOTAL		15	3

Table 1: Sites within the 1km study corridor

- 7.1.2 The following sections (7.2-7.6) deal in category order with sites that are directly or potentially affected by the proposed pipeline.

7.2 Category A Sites

Only one legally protected site is located within the study corridor: Seney Place moated site (SAM 31608). This is not directly affected by the proposed pipeline.

7.3 Category B Sites

No category B sites exist within the new study corridor.

7.4 Category C Sites

Five category C sites are located within the study corridor, none of which are directly affected by the proposed re-route.

7.5 Category D Sites

Six category D sites are located within the new study corridor, of which two are directly affected by the proposed re-route (Table 2):

Directly Affected Sites

Reference	Description	Category	National Grid Reference	Impact
DBA:AA	Dismantled railway	D	TF 1278 6761	Min
DBA:OX	Former woodland	D	TF 1256 7211	Min

Table 2: Summary of impact rating for affected category D Sites

DBA:AA (Sheet 6a, TF 1278 6761)

Current OS maps show a disused railway running south-east from Bardney sugar factory.

Impact: Minor; the proposed pipeline route will affect only a small percentage of the feature.

Recommendations: any significant remains should be recorded as part of the construction watching brief.

DBA:OX (Sheets 5a & 6a, TF 1256 7211)

OS maps dating to 1956 show this area as woodland. It does not appear to be wooded on earlier or later maps.

Impact: Uncertain; approximately 50% of this field will be affected by construction. However, its apparent modernity makes it of low importance.

Recommendations: any significant remains should be recorded as part of the construction watching brief.

7.6 Category E Sites

Three Category E sites (excluding former field divisions) are located within the new study corridor, one of which will be crossed by the current easement (see Table 3).

Directly Affected Sites

Reference	Description	Category	National Grid Reference	Impact
DBA:PC	Southrey and Dunston parish boundary	E	TF 1281 6642	Min

Table 3: Summary impact rating for affected category E Sites

DBA:PC (Sheet 6a, TF 1281 6642)

Southrey and Dunston parish boundary is located along the River Witham, so there will be no archaeological impact on the boundary.












Field Boundaries

Former field boundaries have been plotted from early edition Ordnance Survey (1890/1905/1956), pre-enclosure (Southrey:1821) and Tithe maps (Southrey:1841). Eleven known boundaries are located within the study corridor, only one of which may be affected by the proposed re-route.

Impact: Minor; former boundaries are unavoidable, but the works will cause only minor damage to the potential archaeological remains.

Recommendations: field reconnaissance survey should establish whether boundaries are represented by extant banks and ditches. It would be appropriate to record a section through these features during the construction watching brief.

Hatton to Silk Willoughby Archaeological Constraints Key

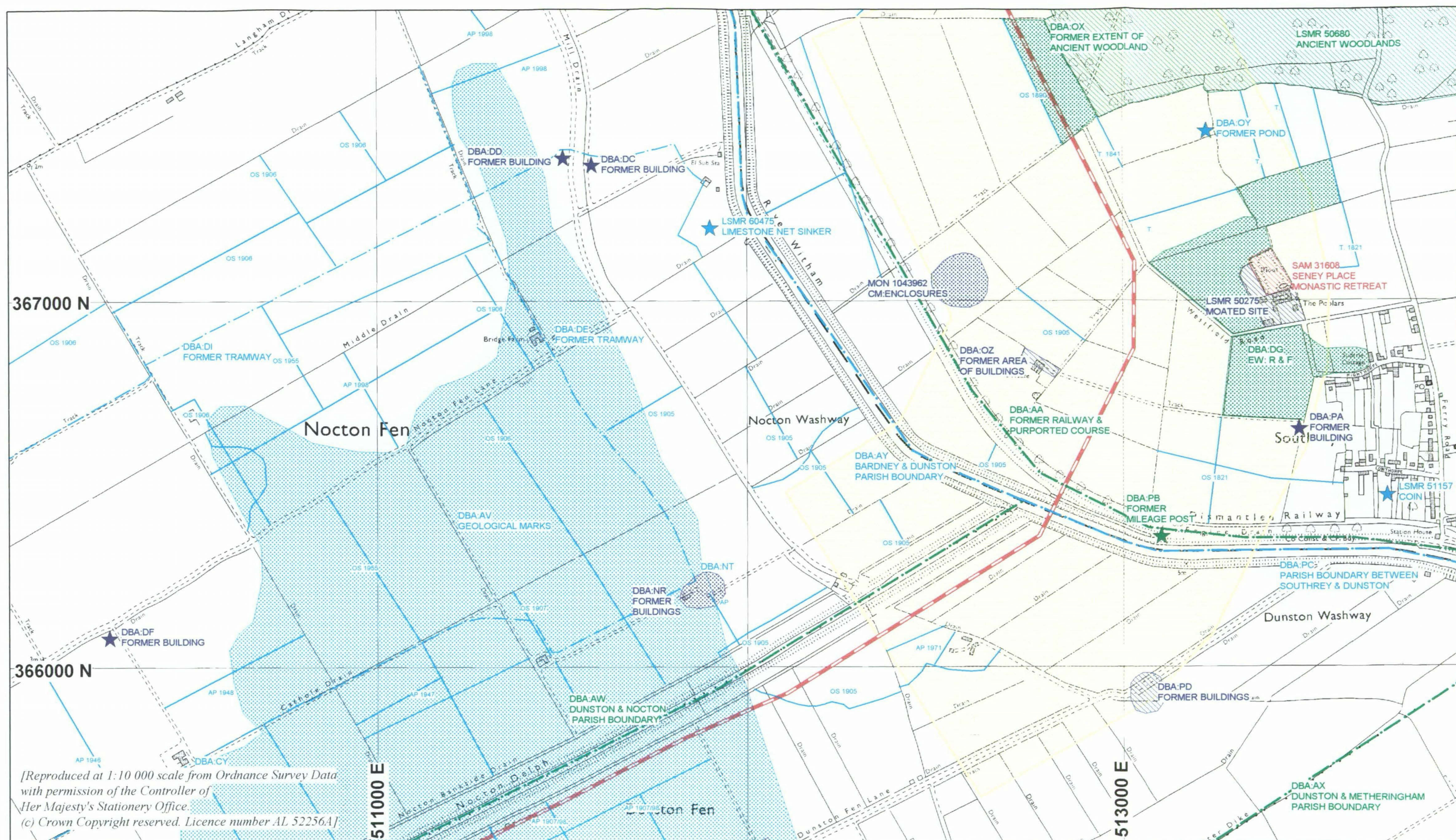
	Proposed pipeline study corridor
	Proposed pipeline route
	Category A Site
	Category B Site
	Category C Site
	Category D Site
	Category E Site
	Known extent of archaeological site or find (coloured according to category)
	Known extent of archaeological site discovered by aerial photography (coloured according to category)
	Extent of linear feature (e.g. railway, road, parish boundary (coloured according to category)
	Extent of field boundaries from cartographic sources

Data Sources:

SAM	Scheduled Ancient Monument (EH)
LSMR	Lincolnshire Sites & Monuments Record
NMP	National Mapping Programme
MON	Monarch Database
DBA	Desk Based Assessment

Abbreviations

CM	Crop Mark
AP	Aerial Photograph
EW	Earthwork
OS	Ordnance Survey
T.	Tithe
R & F	Ridge & Furrow



Prepared by Network Archaeology
for Mouchel
on behalf of Transco

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network
ARCHAEOLOGY LTD

Hatton to Silk Willoughby
Conceptual Design Study
Archaeological Constraints

May 2000

SHEET 6a

Maps 5a & 6a

Reference	Source	Cross refs	Description	Period	Category	Distance from Easment km	Quarter sheet	National Grid Reference	Impact	Reliability of Source L I	
SAM 31608	EH		Seney Place, remains of monastic retreat house	Medieval	A	0.5	TF 16NW	1339 6707	-	H	H
LSMR 50275	LSMR		EW: remains of moated monastic retreat	Medieval	C	0.5	TF 16NW	1339 6701	-	H	H
LSMR 50680	LSMR	NCC 1989	Southerley and Birch Woods, ancient woodlands	Post Medieval	D	0.5	TF 16NW	1330 6801	-	H	H
LSMR 51154	LSMR	MON TF16NW1	findspot: dug-out boat	Prehistoric	D	1	TF 16NW	1162 6854	-	H	H
LSMR 51176/7	LSMR	NMP 1992-6	EW: site of former village	Medieval	B	1	TF 16NW	1186 6913	-	H	H
LSMR 51183	LSMR	T. 1842	fieldname: 'Brick Kiln Close'	Post Medieval	D	0	TF 16NE	1343 6977	unc	H	H
LSMR 51185	LSMR	OS 1757	site of former post mill	Post Medieval	C	0.5	TF 16NW	1235 6887	-	H	H
LSMR 53850	LSMR	OS 1956	EW: former gravel pit	Undetermined	D	0.5	TF 16NW	1336 6883	-	H	H
LSMR 60475	LSMR	MON 892931	findspot: limestone net sinker	Medieval	E	0.5	TF 16NW	1190 6720	-	H	H
NMP 15	RCHME		ridge and furrow	?Medieval	D	1	TF 16NW	1153 6902	-	H	H
MON 1043962	EH	MORPH LI 576.1	CM: enclosures	Prehist/Roman	C	1	TF 16NW	1256 6705	-	H	H
MON 351399	EH		findspot: coin of Constantine I	Roman	E	0.5	TF 16NW	1200 6900	-	L	H
DBA:AA	AP 1998	MOUCHEL	former railway and purported course	Modern	D	1	TF 17SW	1256 7211	min	H	H
DBA:AE	AP 1998	MOUCHEL	EW: ridge and furrow	Undetermined	D	0.5	TF 16NW	1210 6925	-	H	H
DBA:AV	AP 1971	LCC	geological marks	Undetermined	E	0	TF 16NW	1143 6608	unc	H	M
DBA:AW	E 1793		Dunston and Nocton parish boundary	Undetermined	D	0	TF 06SE	0838 6326	-	H	H
DBA:AX	E. 1779		Metheringham & Dunston parish boundary	Undetermined	D	0	TF 16SW	0824 6318	min	H	H
DBA:AY	T. 1842		Nocton and Bardney parish boundary	Undetermined	E	0	TF 16NW	1163 6842	-	H	H
DBA:DE	OS 1955		former tramway	Modern	E	0	TF 16NW	1130 6717	-	H	H
DBA:DF	OS 1906		former building	Undetermined	C	0.5	TF 16NW	1027 6608	-	H	H
DBA:DG	AP 1998	MOUCHEL	EW: ridge and furrow	Undetermined	D	1.5	TF 16NW	1332 6714	-	H	H
DBA:EL	AP 1950	541/445	former buildings and yard	Undetermined	C	0.5	TF 16NW	1333 6943	-	H	H
DBA:EM	AP 1950	541/445	former buildings and yards	Undetermined	C	0.5	TF 16NW	1339 6934	-	H	H
DBA:EN	AP 1950	451/445 3232	ridge and furrow (former?)	Undetermined	D	0.5	TF 16NW	1246 6865	unc	H	H
DBA:NR	OS 1907		former buildings	Undetermined	C	0	TF 16NW	1187 6620	-	H	H
DBA:OX	OS 1956		former extent of ancient woodland	Undetermined	D	0	TF 16NW	1278 6761	unc	H	H
DBA:OY	OS 1905		former pond	Undetermined	E	0.5	TF 16NW	1322 6746	-	H	H

Maps 5a & 6a

Reference	Source	Cross refs	Description	Period	Category	Distance from Easment km	Quarter sheet	National Grid Reference	Impact	Reliability of Source L I	
DBA:OZ	OS 1905		former area of buildings	Undetermined	C	0.5	TF 16NW	1278 6683	-	H	H
DBA:PA	OS 1890	OS 1956	former building	Undetermined	C	0.5	TF 16NW	1346 6665	-	H	H
DBA:PB	OS 1905	OS 1956	former mileage post	Undetermined	D	0.5	TF 16NW	1310 6635	-	H	H
DBA:PC	T. 1841		parish boundary between Southrey and Dunston	Undetermined	E	0	TF 16NW	1281 6642	min	H	H
DBA:PD	OS 1890		former buildings	Undetermined	C	0.5	TF 16NW	1306 6592	-	H	H