

City of Lincoln Council Contaminated Land Register

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1. Remediation notices

There are currently no entries.

2. Appeals against remediation notices

There are currently no entries.

3. Remediation declarations

There is currently one entry.

i. Roman Wharf, Carholme Road, Lincoln, July 2015

The Remediation Declaration is for land associated with the former fertiliser works on Carholme Road. The remediation declaration covers the front gardens of 36 properties. The declaration can be found in Appendix 1.

4. Remediation Statements

There are currently two entries.

i. Roman Wharf, Carholme Road, Lincoln, (March 2015)

The Remediation Statement is for land associated with the former fertiliser works on Carholme Road. The remediation statement covers 3 properties. The statement can be found in Appendix 2.

ii. Roman Wharf, Carholme Road, Lincoln (March 2015)

The Remediation Statement is for land associated with the former fertiliser works on Carholme Road. The remediation statement covers 33 properties. The statement can be found in Appendix 2.

5. Appeals against charging notices

There are currently no entries.

6. Designation of special sites

There are currently no entries.

7. Notification of claimed remediation

There is currently one entry of notification of claimed remediation.

Roman Wharf, Carholme Road, Lincoln (April 2015)

The following properties have been remediated in accordance with the specification detailed in the Remediation Statements of March 2015.

Street Name	Property Numbers
Roman Wharf	44, 45, 46, 47, 48, 49, 50, 51, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 75, 76, 77, 79, 80, 81, 82, 84, 85, 104, 106, 108, 112, 114, 118, 120

The remediation has been verified, the details of which can be found within the following reports held by City of Lincoln Council.

Remediation Validation Letter Report, No. 44 Roman Wharf, Lincoln, April 2015

Remediation Validation Letter Report, No. 45 Roman Wharf, Lincoln, March 2015

Remediation Validation Letter Report, No. 46 Roman Wharf, Lincoln, June 2015

Remediation Validation Letter Report, No. 47 Roman Wharf, Lincoln, 26th March 2015

Remediation Validation Letter Report, No. 48 Roman Wharf, Lincoln, April 2015

Remediation Validation Letter Report, No. 49 Roman Wharf, Lincoln, 26th March 2015

Remediation Validation Letter Report, No. 50 Roman Wharf, Lincoln, May 2015

Remediation Validation Letter Report, No. 51 Roman Wharf, Lincoln, 26th March 2015

Remediation Validation Letter Report, No. 52 Roman Wharf, Lincoln, May 2015

Remediation Validation Letter Report, No. 54 Roman Wharf, Lincoln, May 2015

Remediation Validation Letter Report, No. 56 Roman Wharf, Lincoln, May 2015

Remediation Validation Letter Report, No. 58 Roman Wharf, Lincoln, May 2015

Remediation Validation Letter Report, No. 60 Roman Wharf, Lincoln, May 2015

Remediation Validation Letter Report, No. 62 Roman Wharf, Lincoln, May 2015

Remediation Validation Letter Report, No. 64 Roman Wharf, Lincoln, May 2015

Remediation Validation Letter Report, No. 66 Roman Wharf, Lincoln, June 2015

Remediation Validation Letter Report, No. 68 Roman Wharf, Lincoln, June 2015

Remediation Validation Letter Report, No. 70 Roman Wharf, Lincoln, May 2015

Remediation Validation Letter Report, No. 72 Roman Wharf, Lincoln, May 2015

Remediation Validation Letter Report, No. 74 Roman Wharf, Lincoln, May 2015

Remediation Validation Letter Report, No. 75 Roman Wharf, Lincoln, April 2015

Remediation Validation Letter Report, No. 76 Roman Wharf, Lincoln, May 2015

Remediation Validation Letter Report, No. 77 Roman Wharf, Lincoln, April 2015

Remediation Validation Letter Report, No. 79 Roman Wharf, Lincoln, April 2015

Remediation Validation Letter Report, No. 80 Roman Wharf, Lincoln, 9th March 2015
Remediation Validation Letter Report, No. 81 Roman Wharf, Lincoln, April 2015
Remediation Validation Letter Report, No. 82 Roman Wharf, Lincoln, 9th March 2015
Remediation Validation Letter Report, No. 84 Roman Wharf, Lincoln, 9th March 2015
Remediation Validation Letter Report, No. 85 Roman Wharf, Lincoln, April 2015
Remediation Validation Letter Report, No. 104 Roman Wharf, Lincoln, 9th March 2015
Remediation Validation Letter Report, No. 106 Roman Wharf, Lincoln, 9th March 2015
Remediation Validation Letter Report, No. 108 Roman Wharf, Lincoln, 9th March 2015
Remediation Validation Letter Report, No. 112 Roman Wharf, Lincoln, June 2015
Remediation Validation Letter Report, No. 114 Roman Wharf, Lincoln, 9th March 2015
Remediation Validation Letter Report, No. 118 Roman Wharf, Lincoln, April 2015
Remediation Validation Letter Report, No. 120 Roman Wharf, Lincoln, April 2015

8. Convictions for offences under Section 78M of the Act

There are currently no entries.

9. Guidance issued under Section 78V(1) of the Act

There are currently no entries.

10. Other matters prescribed by Regulations

There are currently no entries.

APPENDIX 1

REMEDIATION DECLARATIONS – THERE IS CURRENTLY ONE REMEDIATION DECLARATION ON THE REGSITER

- i. Roman Wharf, Carholme Road, Lincoln, July 2015

ENVIRONMENTAL PROTECTION ACT 1990, SECTION 78H(6) (THE 1990 ACT)

The Contaminated Land (England) Regulations 2006 (SI2006/1380) and the Contaminated Land (England) (Amendment) Regulations 2012 (SI2012/263)

REMEDIATION DECLARATION PREPARED BY THE CITY OF LINCOLN COUNCIL

This Remediation Declaration is prepared by the City of Lincoln Council (the Council) in relation to contaminated land identified by the City of Lincoln Council under section 78B of the Environmental Protection Act 1990 (the 1990 Act).

The location and extent of the contaminated land to which this Remediation Declaration relates (the Land) is set out in Schedule 1. This Remediation Declaration refers to the front gardens of the properties identified as contaminated land (figure 3). The Council's Contaminated Land Register holds remediation statements detailing remediation work undertaken in the rear gardens of these properties.

The Council, as enforcing authority in relation to the Land, is precluded by section 78E(4) or (5) of the 1990 Act from serving a Remediation Notice and has therefore prepared this Remediation Declaration in accordance with section 78H(6).

The remediation and the reasons why the Council would have specified those things to be done by way of remediation are set out in Schedule 2. The grounds on which the Council is satisfied that it is precluded from specifying each such thing in a Remediation Notice are also set out in Schedule 2.

Particulars of the substances and the significant harm by reason of which the Land is contaminated land are set out in Schedule 3.

The current use of the Land is residential. The former use of the site was a fertiliser works.

The Council's address and other contact details for the purposes of this Remediation Declaration are stated below.



Signed:

Position: Simon Colburn, Assistant Director (Health and Environment Services)

Date: 4th August 2015

The Agency's address for the purposes of this Remediation Declaration is:
City of Lincoln Council, City Hall, Beaumont Fee, Lincoln, LN1 1DE

The contact name for the purposes of this Remediation Declaration is:
Sarah Greenhough, Scientific Officer (Contaminated Land)

SCHEDULE 1

Location and extent of contaminated land to which this remediation declaration relates is numbers 44, 45, 46, 47, 48, 49, 50, 51, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 75, 76, 77, 79, 81, 85, 104, 106, 108, 112, 114, 118 and 120 of the residential development at Roman Wharf, Carholme Road, Lincoln. Plans showing the exact properties are attached. Grid reference for the site is 496408, 371476 (centred). This remediation declaration only relates to the front gardens of properties. There are two Remedation Statements, dated March 2015, on the public register which relate to the areas of the land which were remediated.

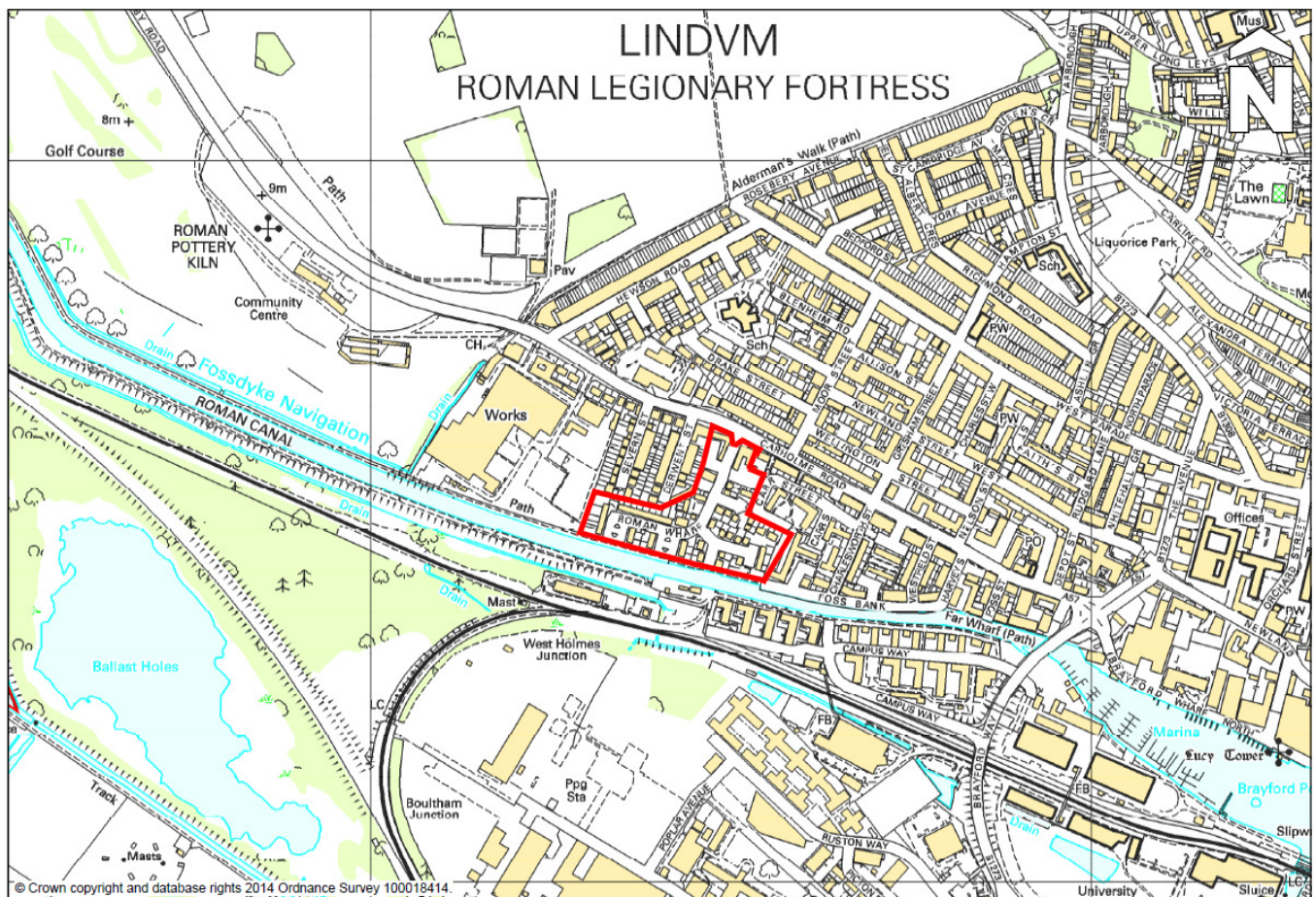


Figure 1 – Site location

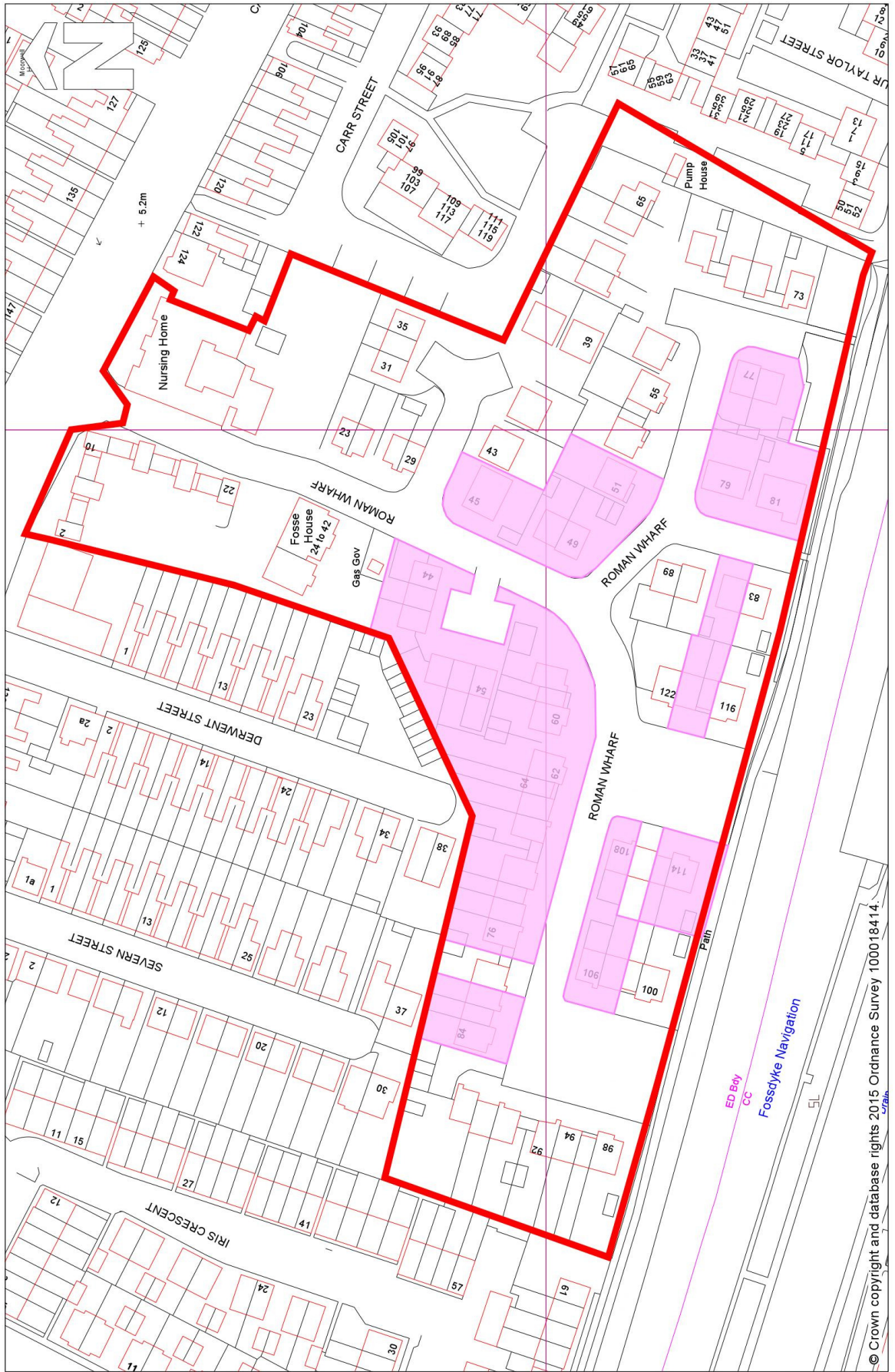
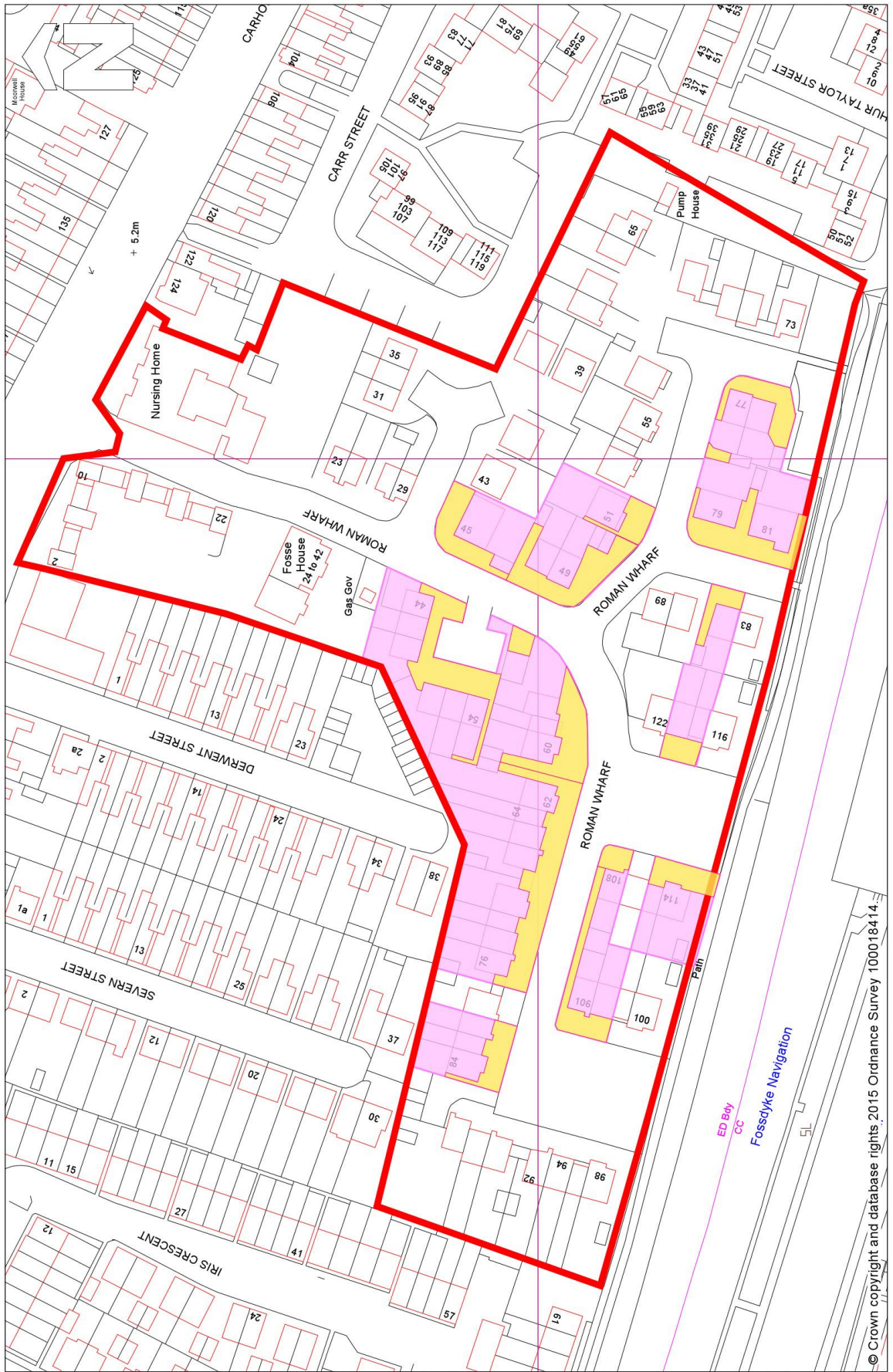


Figure 2
Determined properties shown in pink



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Figure 3
Determined properties shown in pink
Front gardens/drives shown in yellow

SCHEDULE 2

As required under Section 78H(6) of the Act this schedule sets out the reasons why the Council would have specified the specific remediation actions and the grounds on which it is precluded from specifying such thing in a notice.

The Council commissioned a remediation options appraisal report (Golders, 2012) which concluded the most appropriate option was to remove a depth of the contaminated soil and replace with a clean cover system.

This method of remediation would have been treated as a 'shared action' as defined by paragraph 7.12 and a 'common action' as defined by paragraph 7.13(a) of the Statutory Guidance (Defra, April 2012) in securing the remediation of all the significant pollutant linkages present as identified in Schedule 3.

The clean cover system would have consisted of the removal of an agreed depth of soil and replaced with a hi-visibility membrane, a layer of crushed aggregate followed by a further membrane and subsoil and topsoil which had been demonstrated to be chemically suitable.

The grounds for remediation being precluded under Section 78H (5)(a) are the costs and seriousness of the harm in question as defined in Section 78E(4).

In general, front gardens are not used in the same manner as rear gardens. Front gardens do not offer privacy or as much security as the rear and therefore much less likely to be used for leisure, growing home-grown vegetables and children playing. In addition many front gardens in Roman Wharf are very small and have a large proportion of hardstanding, including driveways and paths, further reducing the likelihood for exposure to any soil. The costs of undertaking remediation in these areas (i.e. front gardens) would have been significant for areas that are generally quite small and for the reasons given above not used intensively and thereby carry a lower risk of exposure. No remediation work was required in areas covered by buildings as these provide a barrier to any exposure pathways associated with the contaminants identified.

Schedule 3

Particulars of significant harm and particulars of substances. Not all substances were present in all gardens. Table 2 identifies the contaminants relevant to each property.

Table 1: Particulars of substances to which this statement relates and the significant possibility of significant harm				
Contaminant linkage identifier	Contaminant	Pathway	Receptor	Description
1	Arsenic	Ingestion of soils/soil dust; Inhalation of soil dust, indoors and outdoors; Dermal contact with soil and soil dust; Ingestion of home-grown produce; Ingestion of soil attached to home-grown produce	Residents and site users (Human Health) Risk assessment based on the most vulnerable receptor 0-6 year old female child	The site has been identified as Category 2 as per Section 4.2 of the Statutory Guidance where 'the risks from the land are of sufficient concern, that the land poses a significant possibility of significant harm'.
2	Lead	Ingestion of soils/soil dust; Inhalation of soil dust, indoors and outdoors; Dermal contact with soil and soil dust; Ingestion of home-grown produce; Ingestion of soil attached to home-grown produce	Residents and site users (Human Health) Risk assessment based on the most vulnerable receptor 0-6 year old female child	The site has been identified as Category 2 as per Section 4.2 of the Statutory Guidance where 'the risks from the land are of sufficient concern, that the land poses a significant possibility of significant harm'.
3	NT PAHs	Ingestion of soils/soil dust; Inhalation of soil dust, indoors and outdoors; Dermal contact with soil and soil dust; Ingestion of home-grown produce; Ingestion of soil attached to home-grown produce	Residents and site users (Human Health) Risk assessment based on the most vulnerable receptor 0-6 year old female child	The site has been identified as Category 2 as per Section 4.2 of the Statutory Guidance where 'the risks from the land are of sufficient concern, that the land poses a significant possibility of significant harm'.
4	Asbestos	Inhalation of soil dust (containing fibres), indoors and outdoors	Residents and site users (Human Health) Risk assessment based on the most vulnerable receptor 0-6 year old female child	The site has been identified as Category 2 as per Section 4.2 of the Statutory Guidance where 'the risks from the land are of sufficient concern, that the land poses a significant possibility of significant harm'.

Table 2: Contamination found at levels representative of SPOSH at determined properties

Property Number (Roman Wharf)	Reason for Category 2 designation
120	Arsenic contamination in soils
118	Arsenic contamination in soils
114	Arsenic contamination in soils
112	Arsenic and NT PAH contamination in soils
108	Arsenic and asbestos contamination in soils
106	Arsenic contamination in soils
104	Arsenic contamination in soils
85	Arsenic and asbestos contamination in soils
84	Arsenic contamination in soils
82	Arsenic contamination in soils
81	Arsenic and lead contamination in soils
80	Arsenic and lead contamination in soils
79	Arsenic contamination in soils
77	Arsenic contamination in soils
76	Arsenic and lead contamination in soils
75	Arsenic contamination in soils
74	Arsenic and lead contamination in soils
72	Arsenic and lead contamination in soils
70	Arsenic, lead and asbestos contamination in soils
68	Arsenic, lead and asbestos contamination in soils
66	Arsenic, lead and asbestos contamination in soils
64	Arsenic and lead contamination in soils
62	Arsenic and lead contamination in soils
60	Arsenic and lead contamination in soils
58	Arsenic and lead contamination in soils
56	Arsenic and lead contamination in soils
54	Arsenic and lead contamination in soils
52	Arsenic and lead contamination in soils
51	Arsenic contamination in soils
50	Arsenic and lead contamination in soils
49	Arsenic contamination in soils
48	Arsenic and lead contamination in soils
47	Arsenic contamination in soils
46	Arsenic and lead contamination in soils
45	Arsenic contamination in soils
44	Arsenic and lead contamination in soils

APPENDIX 2

REMEDIATION STATEMENTS – THERE ARE CURRENTLY TWO REMEDIATION STATEMENTS ON THE REGSITER

- i. Roman Wharf, Carholme Road, Lincoln, (March 2015)
- ii. Roman Wharf, Carholme Road, Lincoln, (March 2015)

Environmental Protection Act 1990, section 78H(7) (the 1990 Act)

The Contaminated Land (England) Regulations 2006 (SI2006/1380) and the Contaminated Land (England) (Amendment) Regulations 2012 (SI2012/263)

Remediation statement prepared by Eastfield Enterprises Ltd (formerly Pelham Construction Ltd) and Yara UK Ltd

This remediation statement is prepared by Eastfield Enterprises Ltd (formerly Pelham Construction Ltd) and Yara UK Ltd in relation to contaminated land identified by City of Lincoln Council under s78B of the Environmental Protection Act 1990 (the 1990 Act).

The location and extent of the contaminated land to which this remediation statement relates (the Land) are set out in Schedule 1. The area covered by this statement does not cover the full area identified in the Notice of Determination. The remaining land where remediation has not been undertaken is subject to a Remediation Declaration by the City of Lincoln Council.

City of Lincoln Council as enforcing authority in relation to the Land, is precluded by s78H(5)(b) of the 1990 Act from serving a Remediation Notice and Eastfield Enterprises Ltd (formerly Pelham Construction Ltd) and Yara UK Ltd have therefore prepared this remediation statement in accordance with s78H(7) and (8).

The things which are being and expected to be done by way of remediation and the estimated date of completion are set out in Schedule 2.

Particulars of the substances and the significant possibility of significant harm by reason of which the Land is contaminated land are set out in Schedule 3.

The current use of the Land is residential. The former use of the site was a fertiliser works.

The names and addresses of the persons who are doing and are expected to do each of the things set out in Schedule 2 of this remediation statement is Eastfield Enterprises Ltd (formerly Pelham Construction Ltd), Moorland Way, Tritton Road, Lincoln, LN6 7JP and Yara UK Ltd, Harvest House, Europarc, Grimsby, North East Lincolnshire, DN37 9TZ..

Signed: 
On behalf of Eastfield Enterprises Ltd

Date: 16/3/15

Signed: 
On behalf of Yara UK Ltd

Date: 19th Mar, 2015

The enforcing authority's address for the purposes of this remediation statement is

City of Lincoln Council, City Hall, Beaumont Fee, Lincoln LN1 1DF

Schedule 1

The location and extent of contaminated land to which this remediation statement relates is numbers 80, 82 and 84 of the residential development at Roman Wharf, Carholme Road, Lincoln. Plans showing the exact properties affected are attached. Grid reference for the site is 496352, 371519 (centred).

Schedule 2

The Remediation Actions detailed within this Schedule fall under the definition of Remediation as defined in Section 78A(7)(b) of the 1990 Act. These actions are intended to secure the remediation of all the significant pollutant linkages identified in Schedule 3, and as such are characterised as a 'shared action' as defined by paragraph 7.12 and a 'common action' as defined by paragraph 7.13(a) of the Statutory Guidance (Defra, April 2012).

Work commenced on 10 November 2014 and is expected to be completed by April 2015.

After liaison with all the homeowners/tenants/landlords affected and the remediation works to each garden have been agreed, entry will be gained to the gardens and gravel, turf, decking, greenhouses, plants and shrubs and damaged paving etc will be removed. Areas identified as being of permanent hardstanding, e.g. driveways, block paving, well laid patios of good condition will not be removed. Areas to be reinstated as hardstanding will be excavated to 300mm and all other areas to be remediated excavated to a depth of 600mm and the soil taken away for disposal. A high visibility geotextile membrane will be laid followed by 200mm of clean imported limestone hardcore to form a capillary break layer and a geotextile membrane will be laid on top of this. Areas to be finished with hardstanding will be laid with a high visibility membrane only and not the capillary break layer. Layers of certified clean subsoil/topsoil will then be imported. Finally paving slabs, decking and fresh turf will be relaid and fences, greenhouses etc re-erected.

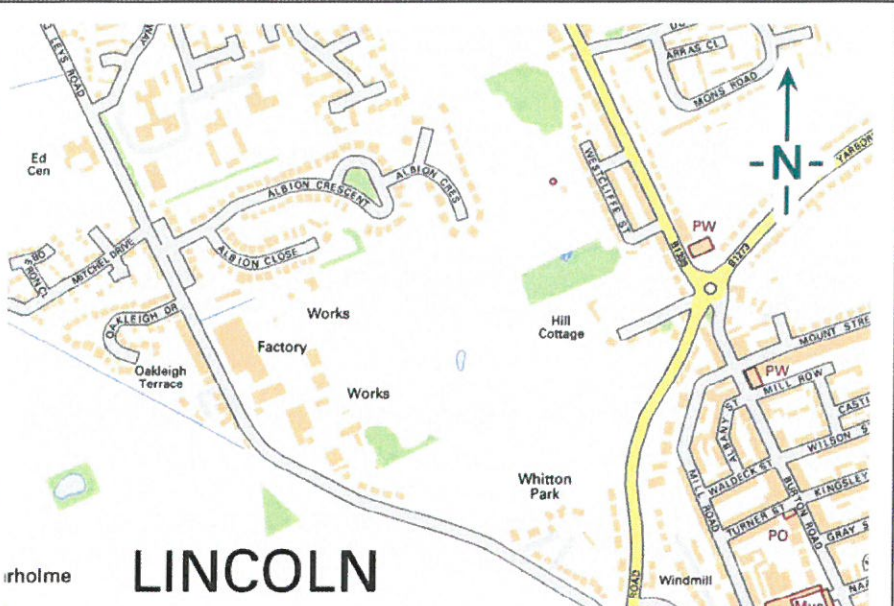
The area to be remediated by the above treatment actions is as identified in Schedule 1. A copy of the Remediation Method Statement is included with this Statement.

Schedule 3

The contaminant linkages below apply to the land identified in Schedule 1. Not all contaminants are present in each individual garden, Table 2 identifies the specific contaminants in relation to each property.

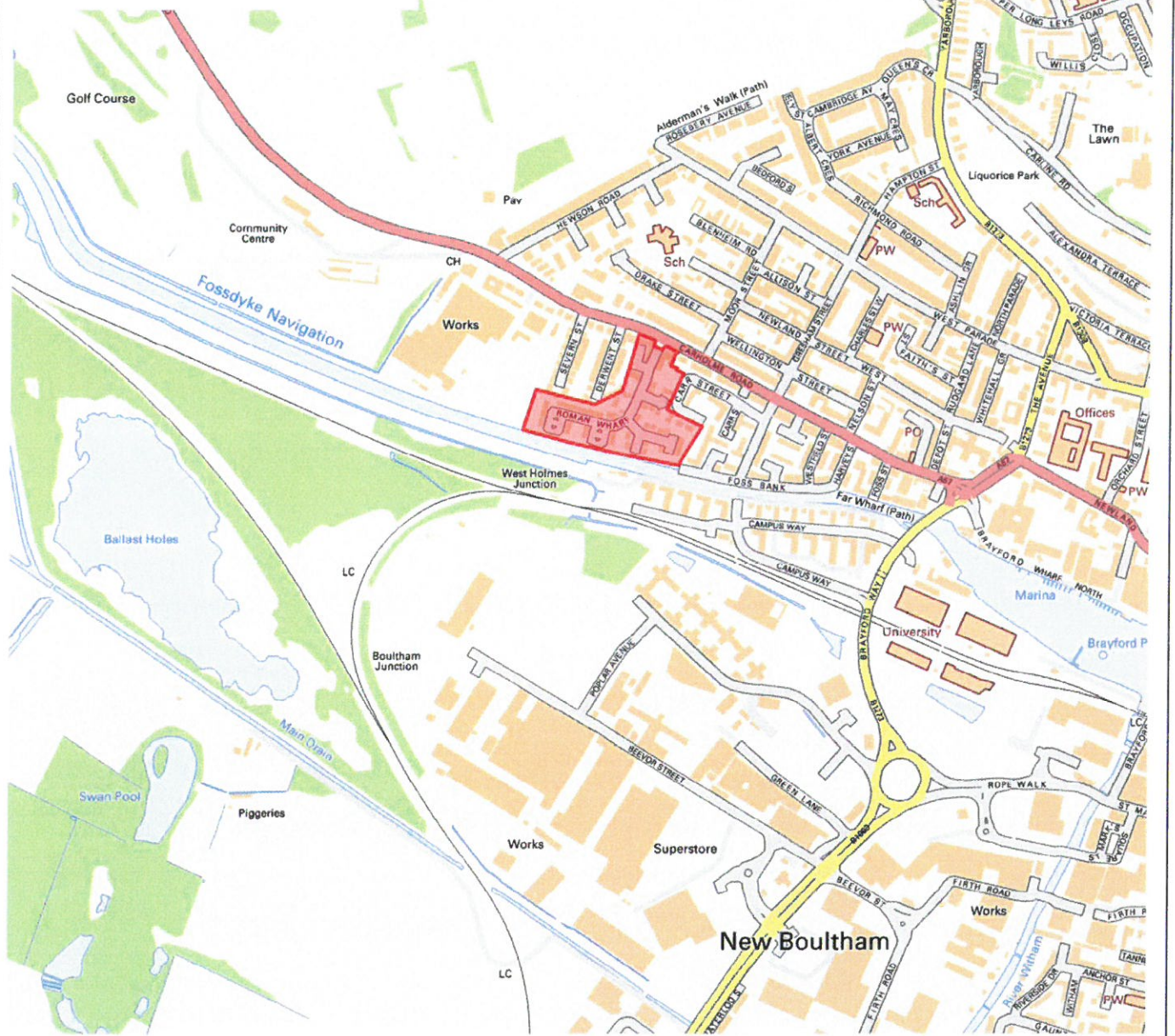
Contaminant linkage identifier	Contaminant	Pathway	Receptor	Description
1	Arsenic	Ingestion of soils/soil dust; Inhalation of soil dust, indoors and outdoors; Dermal contact with soil and soil dust; Ingestion of home-grown produce; Ingestion of soil attached to home-grown produce	Residents and site users (Human Health) Risk assessment based on the most vulnerable receptor 0-6 year old female child	The site has been identified as Category 2 as per Section 4.2 of the Statutory Guidance where 'the risks from the land are of sufficient concern, that the land poses a significant possibility of significant harm'.
2	Lead	Ingestion of soils/soil dust; Inhalation of soil dust, indoors and outdoors; Dermal contact with soil and soil dust; Ingestion of home-grown produce; Ingestion of soil attached to home-grown produce	Residents and site users (Human Health) Risk assessment based on the most vulnerable receptor 0-6 year old female child	The site has been identified as Category 2 as per Section 4.2 of the Statutory Guidance where 'the risks from the land are of sufficient concern, that the land poses a significant possibility of significant harm'.

Property Number (Roman Wharf)	Reason for Category 2 designation
80	Arsenic and lead contamination in soils
82	Arsenic contamination in soils
84	Arsenic contamination in soils



LEGEND

Site Boundary



Scale: 1 / 10,000 @ A4

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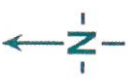
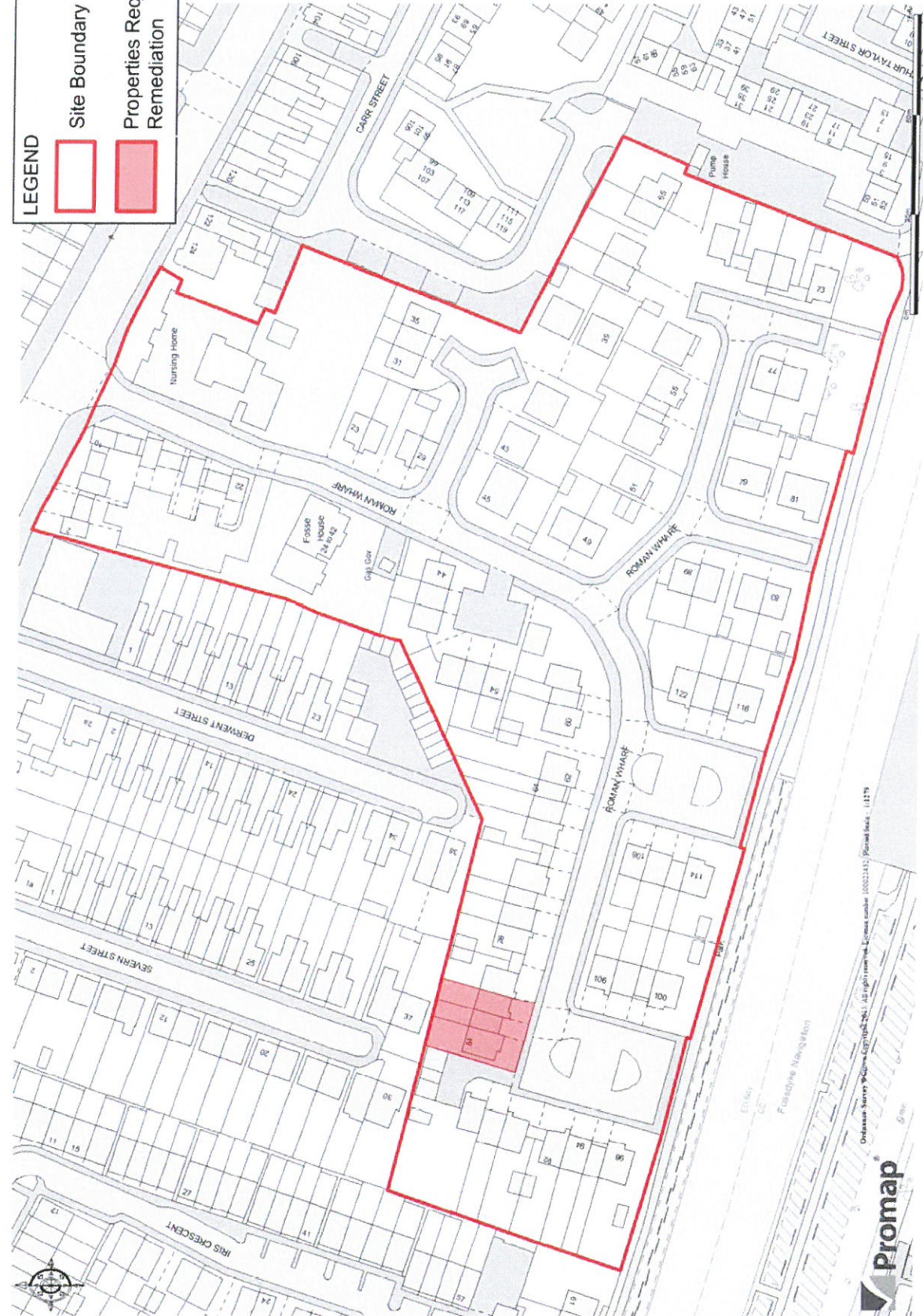
TITLE
 Site Location Map
 Roman Wharf
 Lincoln

DWN:	JC	SCA:	To Scale@A4
CHK:	PB	REV:	1
DATE:	28 October 2014		

PROJECT NO.:	14-0747.01
FIGURE NO.:	1

LEGEND

- Site Boundary
- Properties Requiring Remediation





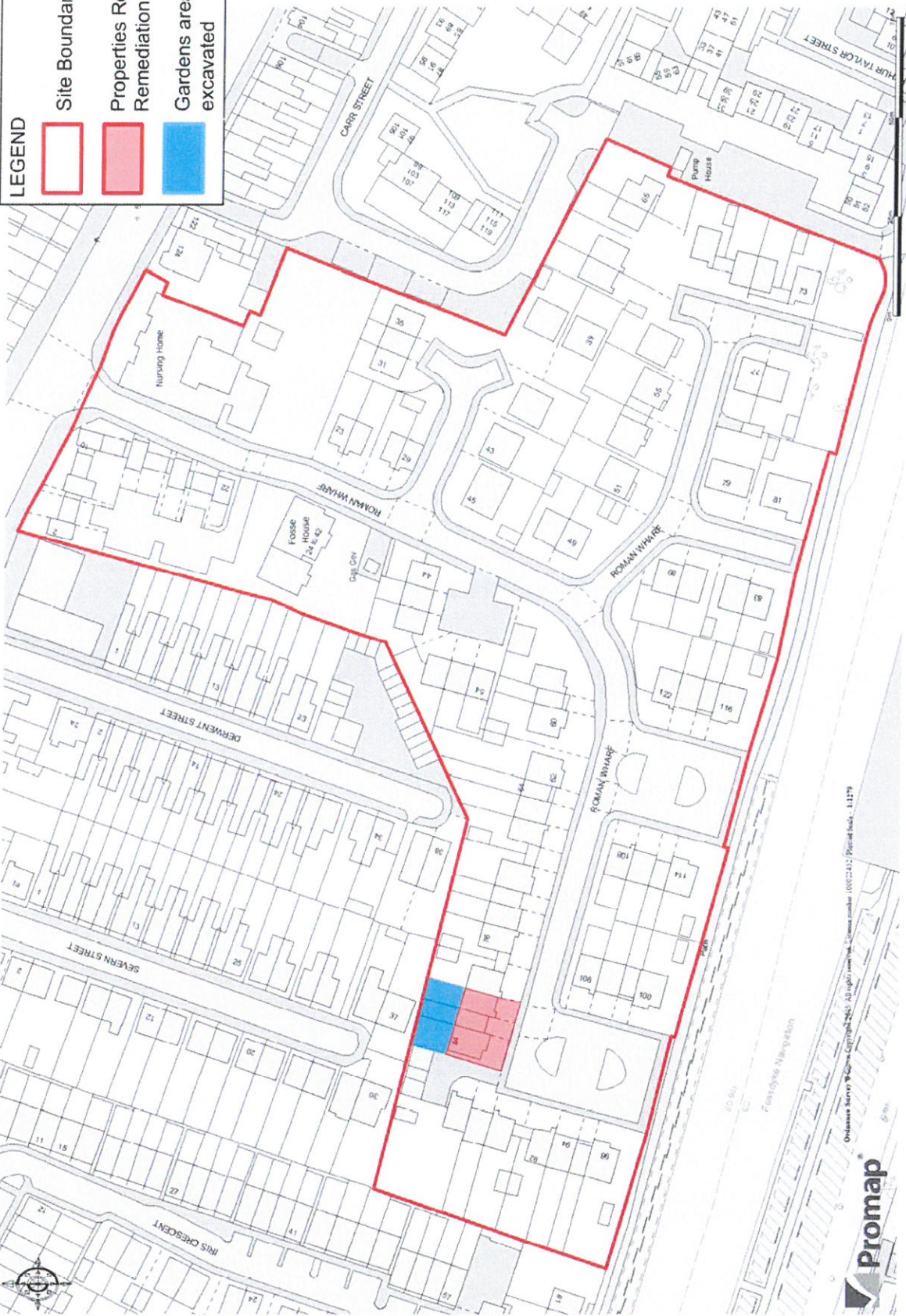
PROJECT NO:	14-0747.01
FIGURE NO:	1
DATE:	March 2015
DRAWN BY:	JC
CHECKED BY:	PB
SCALE:	Not to Scale
REVISION:	1

TITLE: Properties Requiring Remediation
 80-84 Roman Wharf
 Lincoln



LEGEND

-  Site Boundary
-  Properties Requiring Remediation
-  Gardens areas to be excavated



PROJECT NO:	14-0747.01
FIGURE NO:	1
DATE:	March 2015
DRAWN BY:	JC
CHECKED BY:	PB
SCALE:	Not to Scale
REVISION:	1

TITLE:
 Excavation Areas
 80-84 Roman Wharf
 Lincoln



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Environmental Protection Act 1990, section 78H(7) (the 1990 Act)

The Contaminated Land (England) Regulations 2006 (SI2006/1380) and the Contaminated Land (England) (Amendment) Regulations 2012 (SI2012/263)

Remediation statement prepared by Eastfield Enterprises Ltd (formerly Pelham Construction Ltd)

This remediation statement is prepared by Eastfield Enterprises Ltd (formerly Pelham Construction Ltd) in relation to contaminated land identified by City of Lincoln Council under s78B of the Environmental Protection Act 1990 (the 1990 Act)

The location and extent of the contaminated land to which this remediation statement relates (the Land) are set out in Schedule 1. The area covered by this statement does not cover the full area identified in the Notice of Determination. The remaining land where remediation has not been undertaken is subject to a Remediation Declaration by the City of Lincoln Council.

City of Lincoln Council as enforcing authority in relation to the Land, is precluded by s78H(5)(b) of the 1990 Act from serving a Remediation Notice and Eastfield Enterprises Ltd (formerly Pelham Construction Ltd) has therefore prepared this remediation statement in accordance with s78H(7) and (8).

The things which are being and expected to be done by way of remediation and the estimated date of completion are set out in Schedule 2.

Particulars of the substances and the significant possibility of significant harm by reason of which the Land is contaminated land are set out in Schedule 3.

The current use of the Land is residential. The former use of the site was a fertiliser works.

The name and address of the person who is doing and is expected to do each of the things set out in Schedule 2 to this remediation statement is Eastfield Enterprises Ltd (formerly Pelham Construction Ltd), Moorland Way, Tritton Road, Lincoln, LN6 7JP

Signed: 

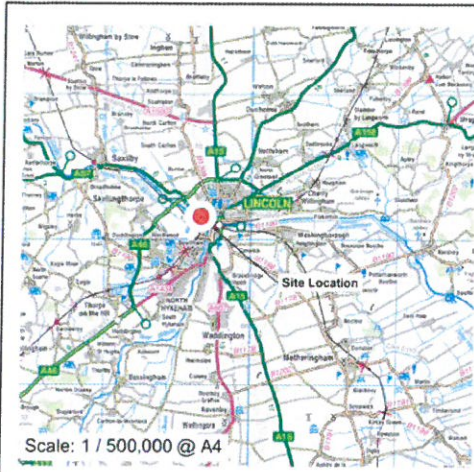
Date: 16/3/15

The enforcing authority's address for the purposes of this remediation statement is

City of Lincoln Council, City Hall, Beaumont Fee, Lincoln LN1 1DF

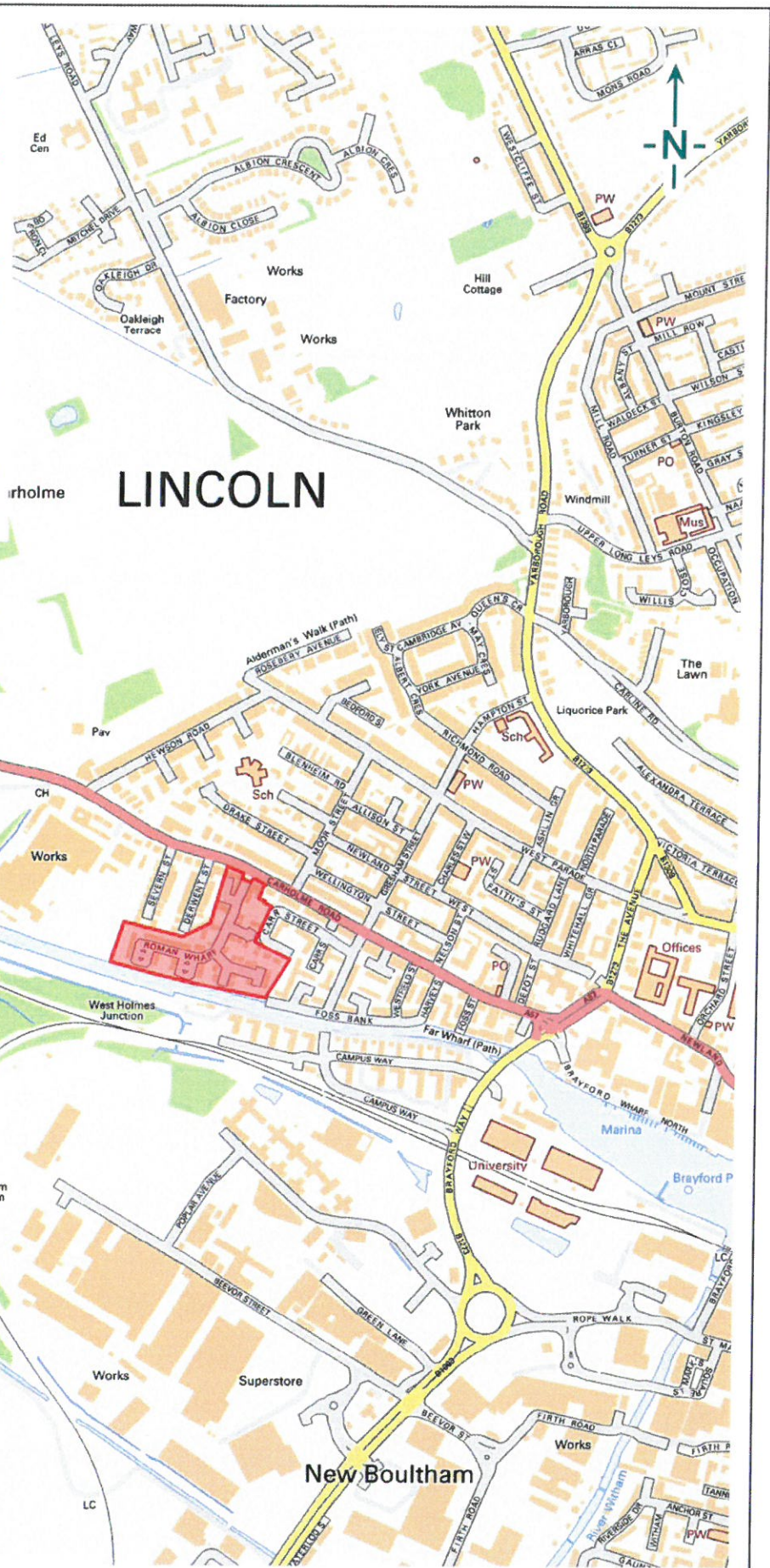
Schedule 1

The location and extent of contaminated land to which this remediation statement relates is numbers 44, 45, 46, 47, 48, 49, 50, 51, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 75, 76, 77, 79, 81, 85, 104, 106, 108, 112, 114, 118, and 120 of the residential development at Roman Wharf, Carholme Road, Lincoln. Plans showing the exact properties affected are attached. Grid reference for the site is 496408, 371476 (centred).



LEGEND

Site Boundary



Scale: 1 / 10,000 @ A4

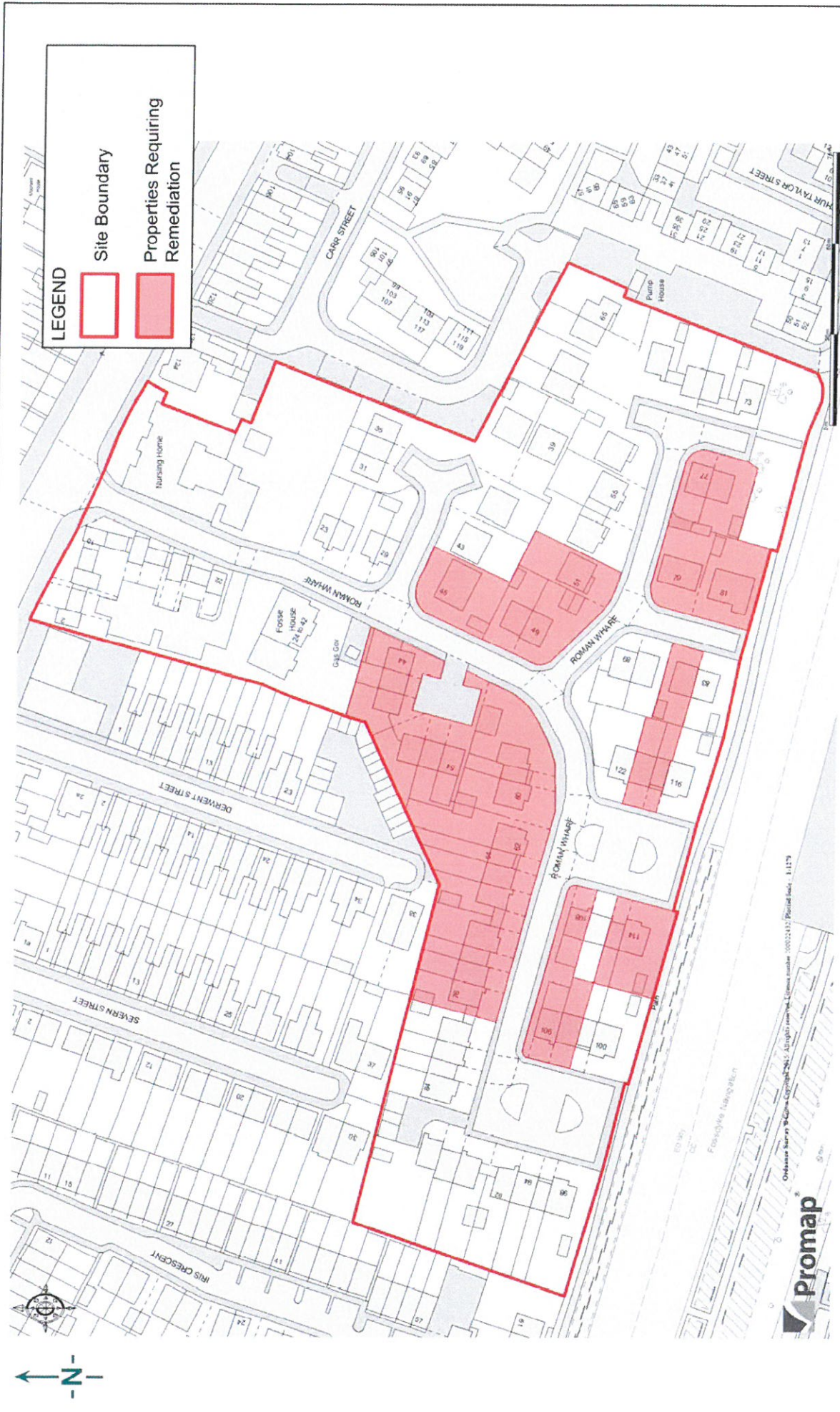
Ordnance Survey, (c) Crown Copyright 2014. All rights reserved.



TITLE:
Site Location Map
Roman Wharf
Lincoln

DWN:	JC	SCA:	To Scale@A4
CHK:	PB	REV:	1
DATE:	28 October 2014		

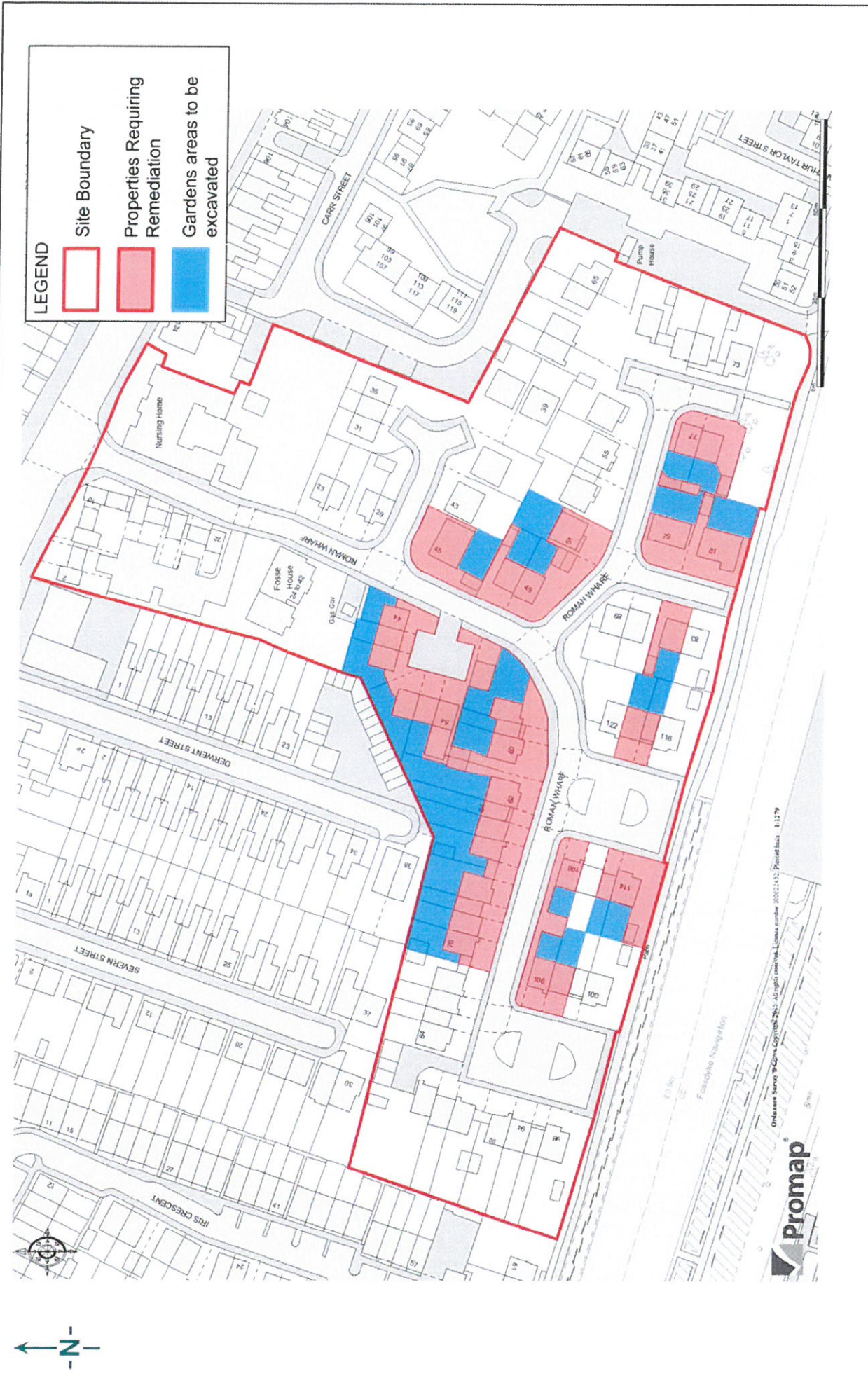
PROJECT NO:	14-0747.01
FIGURE NO:	1



TITLE: Properties Requiring Remediation Roman Wharf Lincoln		PROJECT NO.: 14-0747.01
DESIGNED BY: JC	SCALE: Not to Scale	FIGURE NO.: -
CHECKED BY: PB	REVISION: 1	
DATE: March 2015		



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LEGEND

- Site Boundary
- Properties Requiring Remediation
- Gardens areas to be excavated

TITLE		Excavation Areas Roman Wharf Lincoln	
DESIGNED BY	JC	SCALE	Not to Scale
CHECKED BY	PB	REVISION	1
DATE:	March 2015	PROJECT NO:	14-0747.01
		FIGURE NO:	-



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Schedule 2

The Remediation Actions detailed within this Schedule fall under the definition of Remediation as defined in Section 78A(7)(b) of the 1990 Act. These Actions are intended to secure the remediation of all the significant pollutant linkages identified in Schedule 3, and as such are characterised as a 'shared action' as defined by paragraph 7.12 and a 'common action' as defined by paragraph 7.13(a) of the Statutory Guidance (Defra, April 2012)

Work commenced on 10 November 2014 and is expected to be completed by April 2015.

After liaison with all the homeowners/tenants/landlords affected and the remediation works to each garden have been agreed, entry will be gained to the gardens and gravel, turf, decking, greenhouses, plants and shrubs and damaged paving etc will be removed. Areas identified as being of permanent hardstanding, e.g. driveways, block paving, well laid patios of good condition will not be removed. Areas to be reinstated as hardstanding will be excavated to 300mm and all other areas to be remediated excavated to a depth of 600mm and the soil taken away for disposal. A high visibility geotextile membrane will be laid followed by 200mm of clean imported limestone hardcore to form a capillary break layer and a geotextile membrane will be laid on top of this. Areas to be finished with hardstanding will be laid with a high visibility membrane only and not the capillary break layer. Layers of certified clean subsoil/topsoil will then be imported. Finally paving slabs, decking and fresh turf will be relaid and fences, greenhouses etc re-erected.

The area to be remediated by the above treatment actions is as identified in Schedule 1. A copy of the Remediation method statement is included with this Statement.

Schedule 3

The contaminant linkages below apply to the land identified in Schedule 1. Not all contaminants are present in each individual garden, Table 2 identifies the specific contaminants in relation to each property.

Table 1: Particulars of substances to which this statement relates and the significant possibility of significant harm				
Contaminant linkage identifier	Contaminant	Pathway	Receptor	Description
1	Arsenic	Ingestion of soils/soil dust; Inhalation of soil dust, indoors and outdoors; Dermal contact with soil and soil dust; Ingestion of home-grown produce; Ingestion of soil attached to home-grown produce	Residents and site users (Human Health) Risk assessment based on the most vulnerable receptor 0-6 year old female child	The site has been identified as Category 2 as per Section 4.2 of the Statutory Guidance where 'the risks from the land are of sufficient concern, that the land poses a significant possibility of significant harm'.
2	Lead	Ingestion of soils/soil dust; Inhalation of soil dust, indoors and outdoors; Dermal contact with soil and soil dust; Ingestion of home-grown produce; Ingestion of soil attached to home-grown produce	Residents and site users (Human Health) Risk assessment based on the most vulnerable receptor 0-6 year old female child	The site has been identified as Category 2 as per Section 4.2 of the Statutory Guidance where 'the risks from the land are of sufficient concern, that the land poses a significant possibility of significant harm'.
3	NT PAHs	Ingestion of soils/soil dust; Inhalation of soil dust, indoors and outdoors; Dermal contact with soil and soil dust; Ingestion of home-grown produce; Ingestion of soil attached to home-grown produce	Residents and site users (Human Health) Risk assessment based on the most vulnerable receptor 0-6 year old female child	The site has been identified as Category 2 as per Section 4.2 of the Statutory Guidance where 'the risks from the land are of sufficient concern, that the land poses a significant possibility of significant harm'.
4	Asbestos	Inhalation of soil dust (containing fibres), indoors and outdoors	Residents and site users (Human Health) Risk assessment based on the most vulnerable receptor 0-6 year old female child	The site has been identified as Category 2 as per Section 4.2 of the Statutory Guidance where 'the risks from the land are of sufficient concern, that the land poses a significant possibility of significant harm'.

Table 2: Contamination found at levels representative of SPOSH at determined properties

Property Number (Roman Wharf)	Reason for Category 2 designation
51	Arsenic contamination in soils
45	Arsenic contamination in soils
47	Arsenic contamination in soils
49	Arsenic contamination in soils
75	Arsenic contamination in soils
77	Arsenic contamination in soils
79	Arsenic contamination in soils
81	Arsenic and lead contamination in soils
85	Arsenic and asbestos contamination in soils
118	Arsenic contamination in soils
120	Arsenic contamination in soils
104	Arsenic contamination in soils
106	Arsenic contamination in soils
108	Arsenic and asbestos contamination in soils
112	Arsenic and NT PAH contamination in soils
114	Arsenic contamination in soils
76	Arsenic and lead contamination in soils
44	Arsenic and lead contamination in soils
46	Arsenic and lead contamination in soils
48	Arsenic and lead contamination in soils
50	Arsenic and lead contamination in soils
52	Arsenic and lead contamination in soils
54	Arsenic and lead contamination in soils
56	Arsenic and lead contamination in soils
58	Arsenic and lead contamination in soils
60	Arsenic and lead contamination in soils
62	Arsenic and lead contamination in soils
64	Arsenic and lead contamination in soils
66	Arsenic, lead and asbestos contamination in soils
68	Arsenic, lead and asbestos contamination in soils
70	Arsenic, lead and asbestos contamination in soils
72	Arsenic and lead contamination in soils
74	Arsenic and lead contamination in soils