Willmott Dixon Construction Limited

Hebburn Community Hub – Multi-Use Game Area

Verification report

321447-R3 (00)

DECEMBER 2015

RSK GENERAL NOTES

Project No.: 321447

Status: FINAL

Title: Verification report, Hebburn Community Hub – Multi-Use Game Area

Client: Willmott Dixon Construction Limited

Date: December 2015

Office: Manchester

Author	Karl Hall	**Technical reviewer**	Neil Hutchinson
Signature		Signature	
Date:	December 2015	Date:	December 2015
Project manager	Gavin Saddington		
			
Date:	December 2015		

CONTENTS

FIGURES

APPENDICES

1 GENERAL INFORMATION

1.1 Introduction

RSK Environment Ltd, part of the RSK Group plc, was appointed by Willmott Dixon Construction Limited (WD) to undertake verification of remediation at the Hebburn Community Hub site, Hebburn.

The site is being developed under two separate planning permissions. These relate to the main Hebburn Community Hub development that covers the majority of the redevelopment area (planning permission reference: ST/0341/13/LAA), and a smaller land parcel connected to the southeast corner of the main site, where a Multi-Use Sports Area (MUGA) is proposed (Planning permission reference ST/050/14/LAA). The site development areas covered by the separate planning permissions are presented on Figure 1.

RSK has previously produced a remediation strategy for the overall development. However, documentation and verification of the completed remedial actions at the site are to be separated specific to the areas covered by the different planning permissions. This report includes a summary of the required remediation (previously been identified by RSK) for the planning permission specific to the MUGA area. In addition, details of the data requirements for remediation verification are presented alongside the information that has been presented by WD.

1.2 Background

1.2.1 Proposed development

The development comprises a Multi-Use Game Area (MUGA) consisting of a small all-weather sports pitch and play area with associated leisure equipment and play apparatus.

1.2.2 Conceptual site model

A preliminary risk assessment (PRA) assessing the overall Hebburn Community Hub site was completed by Mott McDonald in 2012 and this was used by Ian Farmer Associates (IFA) to design their site investigation. RSK was not provided a copy of the PRA.

IFA has assessed site investigation data, which they have collected and they presented the following potentially complete contaminant linkages:

- risk to controlled waters from the leaching of contaminants from soils within the made ground
- risk to human health from direct contact of soils within the made ground
- risk to human health from inhalation of asbestos fibres
- risk to human health from inhalation of ground gas (asphyxiation)
- risk to building material from ground gas (explosion)

Note: these linkages have not been clearly identified and listed by Ian Farmer Associates, but the list has been produced from reviewing their report in which the linkages are discussed.

These linkages have been assessed quantitatively by IFA and details of the assessment methodology, as well as the results, are outlined in the RSK remediation strategy document and are summarised below:

1.2.3 Human Health

The IFA human health risk assessment was based on guidelines for a commercial end-use, which IFA considered was the most appropriate for the proposed site development. IFA used the CLEA (contaminated land exposure assessment) SGVs (soil guideline values), which are published by the Environment Agency (EA) where possible and generic assessment criteria (GAC) determined by LQM (Land Quality Management) and CIEH (Chartered Institute for Environmental health) were used where SGVs were unavailable. The assessment concluded that the chemical test data are considerably below the relevant guidance values. Additionally, IFA compared the chemical test data against residential criteria, to assess the potential risk in areas of proposed landscaping and identified two 'hotspots' where these criteria were exceeded:

- benzo(a)pyrene – TP3 (4.1 mg/kg) and TP13 (3.2 mg/kg) – GAC (0.94 mg/kg)
- benzo(a)anthracene – TP3 (5.9 mg/kg) – GAC (4.7mg/kg)

However, neither of these exploratory holes were positioned in or close to the MUGA therefore a potential contaminant linkage through the direct contact with soils at TP3 and TP13 is considered incomplete.

1.2.4 Asbestos

Asbestos screening was undertaken on ten soil samples collected between 0.1 m and 0.5 m bgl. Amosite fibres (brown asbestos) were identified in three samples, one of which (TP6) was positioned with the proposed extents of the MUGA area:

- TP6 at 0.5 m bgl
- TP13 at 0.3 m bgl
- TP16 at 0.3 m bgl

Asbestos containing material (ACM) was not identified in the respective trial pit logs during excavation, although 'concrete and tile' was recorded in TP6 between 0.2 m and 1.0 m bgl.

Quantification testing on the samples was not undertaken at the time so further soil samples were collected from each of the trial pit locations for asbestos identification and quantification by IFA. Three soil samples were collected from hand-dug pits on 26 September 2013 at the three locations in which asbestos was previously identified.

No asbestos was detected in the soil samples collected from the three additional trial pits and therefore quantification analysis of asbestos fibres has not been possible.

1.2.5 Controlled waters

A controlled waters risk assessment has been undertaken by IFA using leachate data from shallow soil samples. The leachate concentrations have been compared to UK drinking water standards (DWS) and the following analytes were reported to exceed the criteria:

- copper – 1.2-2.6 µg/l (DWS - 1 to 28 µg/l)
- benzo(a)pyrene – 0.04 µg/l (BH5 at 0.5 m bgl), 0.03 µg/l (TP3 at 0.1 m bgl) and 0.1 µg/l (TP13 at 0.3 m bgl) (DWS: 0.01 µg/l)
- PAH total – 0.31 µg/l (BH5 at 0.5 m bgl), 0.5 µg/l (TP6 at 0.5 m bgl), 0.71 µg/l (TP3 at 0.1 m bgl) and 0.94 µg/l (TP13 at 0.3 m bgl) (DWS: 0.1 µg/l)

IFA concluded that the underlying secondary A aquifer is not at risk owing to the lack of sensitive receptors (surface water and groundwater abstraction), which would be reliant on the groundwater quality and hence no mitigation would be required.

1.2.6 Ground gas

Contaminant linkages relating to ground gas are not present in the MUGA area due to the absence of any buildings and/or structures where gases may accumulate.

1.3 Relevant contaminant linkages

Following completion of the GQRA, the following relevant contaminant linkages are identified:

- risk to human health from direct contact of soils within the made ground
- risk to human health from the inhalation of asbestos fibres

These linkages have been assessed quantitatively by IFA using generic assessment criteria for the direct contact pathway and without quantification analysis for risks relating to asbestos. In the absence of any further and more detailed analysis for asbestos, and without undertaking a detailed risk assessment for the direct contact pathway, remedial measures have been presented by RSK to mitigate the risks that have been calculated to date.

1.4 Limitations of this report

The remedial works that have been undertaken on site have not been undertaken by RSK. RSK was not requested to visit the site during the remediation and cannot therefore validate the works and so verification is presented on the basis of information that has been presented by WD. Details of RSK service constraints are included in Appendix A

2 REMEDIATION STRATEGY

2.1 Introduction

RSK produced a remediation strategy document (321447-R1 (02)) for the overall Hebburn Community Hub site, a copy of which is included as Appendix B. A summary of the remediation requirements from the strategy document that are relevant to the MUGA area is presented below.

The general principles underpinning the proposed remediation in the MUGA area are presented in the following section. Figure 4 in the remediation strategy (Appendix B) presents the remedial plan and indicates areas where mitigation is required and the proposed actions in different parts of the site.

2.2 Cover of unsuitable soils with impermeable development

Soils containing asbestos fibres requiring remedial action to protect site end-users have been identified in the shallow materials underlying the MUGA area. The proposed site development for the MUGA areas is for hard cover materials to be constructed across the entire area. It is considered that a contaminant linkage between site end-users and site soil via direct contact pathways / inhalation of fibres is not present because the hard cover materials will provide an engineered break in the pathway between the source and receptor.

3 VERIFICATION OF REMEDIATION WORKS

3.1 Introduction

In order to verify the works undertaken and to what extent they are successful, the client has submitted evidence to prove compliance with the remediation strategy, which was produced by RSK.

3.2 Construction of a hard cover layer

Construction of the impermeable layer within the MUGA area comprised two phases:

- **Phase 1**: a reduced level excavation with off-site disposal of excavated soils
- **Phase 2**: import and engineered placement of aggregate and bitumen based surfacing

3.3 Phase 1

RSK understands that a soft strip of the main Hebburn Community Hub site was undertaken in late 2013. As part of this work, WD confirmed that a reduced level excavation to a typical depth of 0.50m bgl was completed across the MUGA area. It is understood that 33 loads of soil were removed from site following this work (from both the Hebburn Community Hub and MUGA areas). All soils were removed from site by Thompsons of Prudhoe Ltd., who is registered with the Environment Agency as an upper tier carrier dealer (CB/GP3617RG) until April 2016.

The soil was removed from site between 9 and 11 December 2013 and it was described on the relevant transfer notes as soil and stones, subsoil and topsoil. RSK understand from the waste transfer notes and discussions with WD that the material was taken to the following licensed facilities:

- Path Head Landfill (license/permit number EAEPR\EA/EPRGP3894ZY/A001) operated by SITA UK
- Blaydon Quarry Landfill operated by Restoration to Agriculture Ltd (license/permit number EAEPR\EA/EPR/CB3505LH/A001).
- Niramax Transfer Station (formerly SWS Transfer Station operated by SWS Limited) now Niramax (license/permit number EPR/GP3399LG/T001)

The transfer notes confirm approximately 623 tons of material was taken to these facilities. RSK has not been provided any specific chemical test data for the waste material and it is therefore assumed the classification of non-hazardous was based on data from the previous site investigation, which was undertaken by IFA. It is assumed this information was presented to the landfills before waste movement commenced. Waste transfer documentation provided by WD can be found in Appendix C.

In addition to the above soils removed from site, a consignment of asbestos contaminated soils was also removed by Thompsons of Prudhoe under a consignment

note (OIN463/00001), which is included in Appendix C. The note states 13.85 tons of soil was removed from site under the EWC (European Waste Catalogue) code 17-05-03 (soils containing dangerous substances). The consignment note identifies the premises code for the site as 01N463 and the soils were taken to the following licensed facility:

- Impetus Waste Management, ICI Teesport No. 3 Landfill, Grangetown, Middlesbrough, TS6 6RU (license/permit number EAEPR\EA/EPR/WP3296ZU/A001)

WD has provided photographs of the MUGA area showing the excavation of shallow soils during the reduce level excavation work (Appendix D).

3.4 Phase 2

The multi use games area (MUGA) was identified in the remediation strategy as an area not requiring additional remediation as the proposed hardstanding would provide a sufficient barrier between the site end users and any contamination, which may be present in the underlying soils. The site investigation data confirmed the isolated presence of asbestos material (amosite) in this area although subsequent asbestos sampling aimed at quantifying the amount of asbestos in soils was unable to detect further asbestos containing materials and hence the conclusion that asbestos was not widespread on site.

The construction of the hard cover materials in the MUGA area typically comprises the below detail.

- bituminous macadam base and wearing courses (150mm)
- aggregate stone sub base (Type 1 MoT) 200mm ,

This construction profile is considered sufficiently impermeable to isolate the underlying soils from the users of the MUGA area therefore providing an engineered break in the contaminant linkage.

WD has provided photographs of the MUGA area showing the placement of the stone sub base (included in Appendix D). In addition, delivery tickets for type 1 (reduced fines) aggregate have also been provided by WD. The four delivery tickets correspond to the delivery of aggregate on 2 and 4 March 2015 with 100 tons and 140 tons respectively ordered for delivery on these two days. The delivery notes represent individual loads of approximately 18 to 20 tons. RSK understand this material represents the stone sub base for the MUGA area. The delivery tickets are also presented in Appendix D.

3.5 Unanticipated contamination

The remediation strategy recommended a watching brief to record the location of odorous or visibly contaminated soils. WD has confirmed that no unexpected contamination was identified during the site development earthworks.

This report does not include details of any mitigation that may have been undertaken during the site works that may have been implemented for the protection of the health of site workers and nearby general public during the site redevelopment.

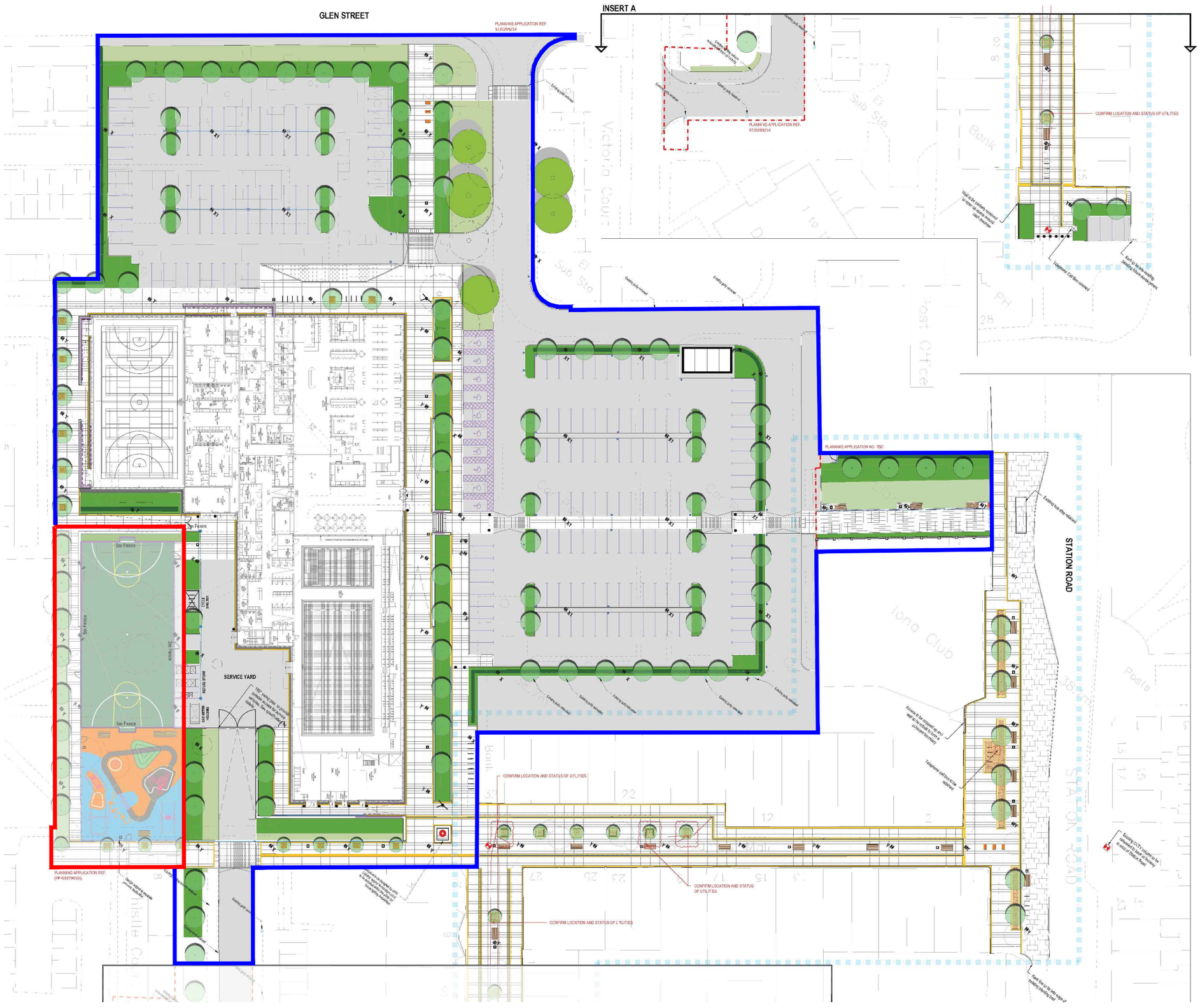
4 CONCLUSIONS

The remedial works undertaken on site were not witnessed by RSK therefore verification is provided on the basis of information produced by WD. The information relating to the remediation works have been assessed against the requirements outlined in the RSK remedial strategy document (321447-R2 (01)).

The remediation strategy identified that the provision of hard cover materials would provide an engineered break of the direct contact / fibre inhalation pathway linking the contaminant source (asbestos fibres in soil), and the receptor (end-users of the MUGA).

The removal of soils from the MUGA with subsequent construction of macadam surfacing over compacted aggregate has mitigated the risks associated with direct contact / fibre inhalation in this area by providing the required engineered break in the pathways linking the contaminant source and receptors. Therefore, on this basis it is considered that the objectives of the remediation have been achieved.

FIGURES



🟥 Planning Permission
Reference: ST/050/14/LLA

🟦 Planning Permission
Reference: ST/0341/13/LLA

Drawing from Gillespies 'Wider Landscape Works General Arrangement', Dwg No. M5031-121, Rev C04, dated 08.04.14

REV	DATE	DESCRIPTION	BY	CHD.	APR.
A	01.12.14	FIRST ISSUE	JH	KH	KH

Dimensions	Projection	Scale	Orig Size
m	⌖	NTS	A3

RSK

Four Ways House,
57 Hilton Street,
Manchester,
M1 2EJ.

Tel: +44 (0) 161 236 2757
Fax: +44 (0) 161 236 7029
Email: info@rsk.co.uk
Web: www.rsk.co.uk

CLIENT
WILLMOTT DIXON

PROJECT
HEBBURN COMMUNITY HUB

TITLE
CURRENT PROPOSED
DEVELOPMENT LAYOUT WITH
PLANNING REFERENCE

JOB No.:	DRAWING FILE:
321447	-

BY:	DATE:	CONTRACT NO.		REV:
JH	09.12.15		FIGURE 1	A

APPENDIX A
RSK SERVICE CONSTRAINTS

1. This report and the site investigation carried out in connection with the report (together the "Services") were compiled and carried out by RSK Environment Limited (RSK) for Willmott Dixon (the "client") in accordance with the terms of a contract between RSK and the "client". The Services were performed by RSK with the skill and care ordinarily exercised by a reasonable environmental consultant at the time the Services were performed. Further, and in particular, the Services were performed by RSK taking into account the limits of the scope of works required by the client, the time scale involved and the resources, including financial and manpower resources, agreed between RSK and the client.

2. Other than that expressly contained in paragraph 1 above, RSK provides no other representation or warranty whether express or implied, in relation to the Services.

3. Unless otherwise agreed in writing the Services were performed by RSK exclusively for the purposes of the client. RSK is not aware of any interest of or reliance by any party other than the client in or on the Services. Unless expressly provided in writing, RSK does not authorise, consent or condone any party other than the client relying upon the Services. Should this report or any part of this report, or otherwise details of the Services or any part of the Services be made known to any such party, and such party relies thereon that party does so wholly at its own and sole risk and RSK disclaims any liability to such parties. **Any such party would be well advised to seek independent advice from a competent environmental consultant and/or lawyer.**

4. It is RSK's understanding that this report is to be used for the purpose described in the introduction to the report. That purpose was a significant factor in determining the scope and level of the Services. Should the purpose for which the report is used, or the proposed use of the site change, this report may no longer be valid and any further use of or reliance upon the report in those circumstances by the client without RSK 's review and advice shall be at the client's sole and own risk. Should RSK be requested to review the report after the date of this report, RSK shall be entitled to additional payment at the then existing rates or such other terms as agreed between RSK and the client.

5. The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions contained in this report should not be relied upon in the future without the written advice of RSK. In the absence of such written advice of RSK, reliance on the report in the future shall be at the client's own and sole risk. Should RSK be requested to review the report in the future, RSK shall be entitled to additional payment at the then existing rate or such other terms as may be agreed between RSK and the client.

6. The observations and conclusions described in this report are based solely upon the Services which were provided pursuant to the agreement between the client and RSK. RSK has not performed any observations, investigations, studies or testing not specifically set out or required by the contract between the client and RSK. RSK is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the Services. For the avoidance of doubt, unless otherwise expressly referred to in the introduction to this report, RSK did not seek to evaluate the presence on or off the site of asbestos, electromagnetic fields, lead paint, heavy metals, radon gas or other radioactive or hazardous materials.

7. The Services are based upon RSK's observations of existing physical conditions at the Site gained from a walk-over survey of the site together with RSK's interpretation of information including documentation, obtained from third parties and from the client on the history and usage of the site. The Services are also based on information and/or analysis provided by independent testing and information services or laboratories upon which RSK was reasonably entitled to rely. The Services clearly are limited by the accuracy of the information, including documentation, reviewed by RSK and the observations possible at the time of the walk-over survey. Further RSK was not authorised and did not attempt to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the Services. RSK is not liable for any inaccurate information or conclusions, the discovery of which inaccuracies required the doing of any act including the gathering of any information which was not reasonably available to RSK and including the doing of any independent investigation of the information provided to RSK save as otherwise provided in the terms of the contract between the client and RSK.

8. The intrusive environmental site investigation aspects of the Services is a limited sampling of the site at pre-determined borehole and soil vapour locations based on the operational configuration of the site. The conclusions given in this report are based on information gathered at the specific test locations and can only be extrapolated to an undefined limited area around those locations. The extent of the limited area depends on the soil and groundwater conditions, together with the position of any current structures and underground facilities and natural and other activities on site. In addition chemical analysis was carried out for a limited number of parameters [as stipulated in the contract between the client and RSK] [based on an understanding of the available operational and historical information,] and it should not be inferred that other chemical species are not present.

9. Any site drawing(s) provided in this report is (are) not meant to be an accurate base plan, but is (are) used to present the general relative locations of features on, and surrounding, the site. Features (boreholes, trial pits etc) annotated on site plans are not drawn to scale but are centred over the approximate location. Such features should not be used for setting out and should be considered indicative only.

APPENDIX B

Hebburn Community Hub Remediation Strategy

RSK (321447-R1(02)), December 2014

Willmott Dixon Construction

HEBBURN COMMUNITY HUB

REMEDIATION STRATEGY

321447-R1 (02)

DECEMBER 2014

RSK GENERAL NOTES

Project No.: 321447-R02

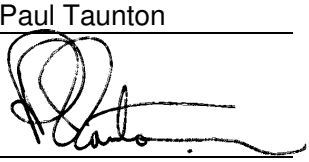
Title: Remediation Statement Report, Hebburn Community Hub

Client: Willmott Dixon Construction Limited

Date: December 2014

Office: Manchester

Status: **Final**

Author	Gavin Saddington	**Technical reviewer**	Paul Taunton
Signature		Signature	
Date:	December 2014	Date:	December 2014

Project manager	Gavin Saddington
Signature	
Date:	December 2014

CONTENTS

FIGURES

APPENDICES

1 INTRODUCTION

RSK Environment Limited (RSK) was commissioned by Willmott Dixon Construction (WDC) to prepare a remediation strategy (RS) document for the proposed development at the Hebburn Community Hub site, Hebburn. The requirement for a RS is covered in condition nine of the planning permission (ST/0341/13/LAA) dated 18 June 2013.

A small parcel of land connected to the southeast corner of the site is subject to conditioned planning approval (ST/0504/14/LAA) and is incorporated into this RS and has resulted in the re-assessment of data and the re-issue of the RS. The RS must be submitted to, and approved in writing by, the local planning authority, which is South Tyneside Council.

1.1 Background

The site is part of the Hebburn regeneration scheme, off Glen Street, Hebburn, Tyne and Wear. The site is centred at National Grid reference (NGR) 430801 564341 as shown on Figure 1. The area is a mixture of residential, commercial uses, and car-parking.

1.2 Objective

The objective of this RS document is to clearly set out the present site condition and state the objectives of the remediation work to be carried out, to satisfy the relevant planning condition.

1.3 Scope of report

The scope of this report is to present a RS, the function of which is to demonstrate to the regulatory and planning authorities that the full details of required remedial actions have been considered and documented. The following details are included for approval by the regulatory and planning authorities before works commence:

- options appraisal
- remediation objectives with details of proposed remediation and verification works
- mitigation measures
- licenses and consents
- contingency measures.

In addition to the RS, there remains a requirement in condition ten of the planning permission for a verification report to be completed once the remediation works have been finished, and for this to be approved in writing by the planning authority before the site is occupied.

1.4 Limitations

The RS is presented to a level of detail considered sufficient for the purposes of planning and regulatory authorities. Whilst considered sufficient for this purpose the report on its own does not present a remedial design or specification to the level of detail that will be required for contractual negotiations, quantity surveying, or remediation tendering purposes. The RS can be relied upon for those areas of the site where ground investigation data has been provided and extrapolation of data to cover areas where no data is available has not been adopted.

This report is subject to the RSK service constraints given in Appendix A.

1.5 Proposed development

It is understood that the proposed development is to include a 25m six lane swimming pool with learner pool, four court sports hall, fitness suite and associated changing facilities, South Tyneside Customer Service facilities, cafe and library. Also included in the proposed development are new car parking, modifications to vehicular access and the provision of outdoor open space including some landscaping.

A copy of the proposed site development drawing (external works), showing the boundary of the site, is included as Figure 3. It is noted that the previous investigation works that have generated site investigation date for assessment do not cover areas of pavement improvement to the south and east of the main site. These areas are largely pedestrian walkways with concrete blocks and some limited landscaping.

RSK understands that approximately 1m of soil is to be removed from the footprint of the proposed building and the car park area to the north is also to be reduced in level by approximately 0.3m.

2 SUMMARY OF CONCEPTUAL MODEL AND RISK ASSESSMENT

2.1 Introduction

This section summarises the conceptual site model (CSM) as developed and refined during the preceding stages of work undertaken by Ian Farmer Associates [1, 2] and Mott McDonald.

The CSM is a key tool to enable linkages between contaminant sources, pathways, and receptors to be assessed in accordance with the CLR11 [3] procedures. Where exploratory hole locations from the preceding phases of work are referenced, their locations on site are presented on Figure 2 (this figure is from the Ian Farmer Association report [1] May 2013).

2.2 Geology

2.2.1 Made ground

Encountered in the majority of exploratory hole locations the made ground consists topsoil with brick and concrete fragments and varies in thickness between 0.3m and 2.45m. The made ground is considered to comprise demolition arisings from previous buildings on site and as such is reported to contain bricks, concrete, slate, timber and tiles, etc.

2.2.2 Natural geology

Natural superficial geology comprises sandy clay (in TP1, 2, 7, 8 and 12 to 17) from a depth between 0.5m and 1.2m, to a depth between 1.2m and 4.0m bgl. Sandy gravelly clay was encountered in the majority of the exploratory positions underlying the sandy clay. Sandy gravelly clay with black organic matter was found in BH1 at 0.75m bgl (0.85m thick) and in TP14 at 0.4m bgl (0.2m thick). Laminated clay with silt and fine sand laminations was identified in BH1 at 5.96m bgl (0.5m thick) and BH2 at 6.45m bgl (2.0m thick).

Bedrock comprising sandstone was found in the majority of boreholes immediately beneath the superficial soils at depths between 9.45m bgl and 16.8m bgl. The exception was mudstone in BH4B at 11.05m bgl, which was logged immediately beneath the superficial soils.

Coal seams were encountered in BH1A at 27.49m bgl (0.68m thick), BH3 between 19.5m bgl and 20.41m bgl (0.2m to 0.28m thick) and in BH5 as thin stringers (0.05m thick) with broken ground noted by the drillers between 15.55m and 17.05m bgl.

2.3 Groundwater

Observations of groundwater seepages and inflows were made during the excavation of trial pits (TP3, 5, 7, 8 and 16) and drilling of boreholes (BH1A) at depths between 1.1m

and 3.3m bgl. Groundwater monitoring data from the monitoring wells that are installed within the made ground and which terminate at the top of the underlying Glacial Till (clay) show groundwater levels between 0.84m and 1.52m bgl.

Groundwater was measured in BH1A at 6.4m bgl. It is not clear from the borehole logs at what depth the response zone is located, although it is thought to target the sandstone beneath the superficial soils. The groundwater level in BH1A is several metres beneath the top of the Till and is therefore separated from the shallow groundwater by several metres of stiff clay (driller's description).

According to the Environment Agency (EA) data the site is located on a secondary A aquifer but is not within a source protection zone (SPZ) and it is reported [(2)] that there are no groundwater abstraction wells located within 2km of the site.

2.4 Surface water

The closest surface watercourse reported [(2)] is the River Tyne, which is approximately 760m west of the site boundary.

2.5 Observed contamination

The borehole and trial pit logs include no reference to any visual or olfactory evidence of ground contamination. An organic peaty odour in TP14 (0.4m to 0.6m bgl) and TP16 (0.5m to 0.8m bgl) was noted within the clay.

2.6 Contaminant linkages

Data has been collected from the site investigation to assess the following potentially complete contaminant linkages that were identified by Ian Farmer Associates:

- risk to controlled waters from the leaching of contaminants from soils within the made ground
- risk to human health from direct contact of soils within the made ground
- risk to human health from inhalation of asbestos fibres
- risk to human health from inhalation of ground gas (asphyxiation)
- risk to building material from ground gas (explosion)

Note: these linkages have not been clearly identified and listed by Ian Farmer Associates, but the list has been produced from reviewing their report in which the linkages are discussed.

These linkages have been assessed quantitatively by Ian Farmer Associates and details of the assessment methodology, as well as the results, are outlined below. A summary of the linkages that remain after the risk assessment is referred to as "relevant contaminant linkages" and these are presented in Section 2.6.6.

2.7 Risk assessment

This section summarises the stages of risk assessment that have been undertaken on the site data. The assessments have been split into human health and controlled waters receptors.

2.7.1 Preliminary risk assessment.

Mott McDonald Consulting Engineers produced a preliminary risk assessment (PRA) for the site in December 2012. The initial conceptual model for the site was developed during this work and a series of potentially complete pollutant linkages will have been presented. RSK has not received a copy of the Mott McDonald PRA, so could not carry out a review and therefore no comment on this report is made.

2.7.2 Human Health

Ian Farmer Associates based the design of their intrusive investigation and subsequent monitoring on the findings of the Mott McDonald PRA. The human health risk assessment was based on guidelines for a commercial end-use, which they considered was the most appropriate for the proposed site development. CLEA (contaminated land exposure assessment) SGVs (soil guideline values), which are published by the EA were used where possible and generic assessment criteria (GAC) determined by LQM and CIEH were used where SGVs were unavailable. The assessment concluded that the chemical test data are considerably below the relevant guidance values. Additionally, Ian Farmer Associates compared the chemical test data against residential criteria, to assess the potential risk in areas of proposed landscaping and identified two 'hotspots' where these criteria were exceeded:

- benzo(a)pyrene – TP3 (4.1 mg/kg) and TP13 (3.2 mg/kg) – GAC (0.94 mg/kg)
- benzo(a)anthracene – TP3 (5.9 mg/kg) – GAC (4.7mg/kg)

The chemical test data for soil samples are included in Appendix B with the generic assessment criteria used by Ian Farmer Associates included in Appendix C. Organic matter (%) was determined from ten soil samples and the average is 4.87%, therefore the GAC for 2.5% organic matter is appropriate for risk assessment.

TP12 and TP14 are located to the south and west (respectively) of TP13 although soil samples were not collected from these trial pits for analysis. There are limitations therefore when assessing the extent of contamination around TP13 and for this reason a conservative approach to the potential extent of contamination identified in TP13 has been taken. TP3 and TP13 are within an area of proposed landscaping although the majority of the ground cover around TP3 is hard standing. A potential pollutant linkage remains with risks to human health through the direct contact with soils at TP3 and TP13.

2.7.3 Asbestos

Asbestos screening was undertaken on ten soil samples collected between 0.1m and 0.5m bgl. Amosite fibres (brown asbestos) were identified in three samples:

- TP6 at 0.5m bgl
- TP13 at 0.3m bgl

- TP16 at 0.3m bgl

Asbestos containing material (ACM) was not identified in the respective trial pit logs during excavation, although 'concrete and tile' was recorded in TP6 between 0.2m and 1.0m bgl.

Quantification testing on the samples was not undertaken and no assessment of potential risk (qualitative or quantitative) was undertaken at the time using the laboratory data. The analyst's remarks state that small clumps and bundles of unbound asbestos fibre were identified in all three samples. The test results for asbestos identification are included in Appendix B.

Further soil samples were collected from each of the trial pit locations for asbestos identification and quantification by Ian Farmer Associates. Three soil samples were collected from hand-dug pits on 26 September 2013 at the three locations in which asbestos was previously identified. The samples were collected from the same depths as the previous samples, where asbestos had been identified (but not quantified) and a copy of the log for each location along with the test certificates is presented in Appendix E.

No asbestos was detected in the soil samples collected from the three additional trial pits and therefore quantification analysis of asbestos fibres has not been possible.

2.7.4 Controlled waters

A controlled waters risk assessment has been undertaken by Ian Farmer Associates using leachate data from shallow soil samples. The leachate concentrations have been compared to UK drinking water standards (DWS) and the following analytes were reported to have been exceeded as a result of the assessment:

- copper – 1.2-2.6µg/l (DWS - 1 to 28µg/l)
- benzo(a)pyrene – 0.04µg/l (BH5 at 0.5m bgl), 0.03µg/l (TP3 at 0.1m bgl) and 0.1 µg/l (TP13 at 0.3m bgl) (DWS: 0.01µg/l)
- PAH total – 0.31µg/l (BH5 at 0.5m bgl), 0.5µg/l (TP6 at 0.5m bgl), 0.71µg/l (TP3 at 0.1m bgl) and 0.94µg/l (TP13 at 0.3m bgl) (DWS: 0.1µg/l)

Ian Farmer Associates appear to have assessed PAH leachable data incorrectly by comparing all 16 USEPA (United States Environmental Protection Agency) PAH compounds against the UK drinking water standards, which includes only four compounds - (benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(ghi)perylene and indeno(1,2,3-cd)pyrene). When comparing the result of these four PAH compounds against the relevant standard, there are still exceedances for samples collected from TP3 and TP13, although the degree of the exceedance is reduced. The results from leachate testing are included in Appendix D.

The leachable data is collected from shallow soil samples between 0.1m and 0.5m bgl within the soil horizon referred to as made ground. Beneath the made ground firm to stiff glacial Till (clay) is recorded with varying amounts of sand, gravel and organic matter at thicknesses of between 6.65m (BH5) and 12.8m (BH3). Contaminant migration through the clay will be retarded. The underlying solid geology is classified by the EA as a secondary A aquifer, but there are no sensitive groundwater receptors such as licensed abstractions within 2km and the nearest surface water feature is 760m west

of the site (River Tyne). Infiltration into the soils will be limited by the considerable coverage of hard standing in the area with only a few locations being landscaped. Given the thickness of clay beneath the made ground (>6.65m), the fact that perched ground water in the made ground is not hydraulically connected to underlying groundwater, the considerable distance to the nearest surface water feature (760m) and the absence of any sensitive groundwater feature within 2km of the site, it is considered that the leaching pathway is not significant and does not require mitigation.

2.7.5 Ground gas

Six rounds of ground gas monitoring have been undertaken on the site by Ian Farmer Associates [(1)] and the range of values collected during the monitoring are shown in Table 1. Concentrations for methane, carbon monoxide and hydrogen sulphide are not assessed further because none of these gases were detected during the monitoring work. Therefore it can be concluded that risks from explosion and subsequent damage to building materials can be ruled out as methane has not been detected on site.

Table 1: Range of Ground Gas Data Collected by Ian Farmer Associates

Borehole	Carbon Dioxide Concentration (%$^{v}/_{v}$)		Oxygen Concentration (%$^{v}/_{v}$)		Borehole Flow Rate (l/hr)	
	From	To	From	To	From	To
BH1A	0.5	-	12.2	-	0	-
BH4B	0.1	2.0	11.8	20.2	0.1	0.5
BH5	0.1	0.3	20.0	20.5	0.01	0.01

Note: from data collected during monitoring on 19/03/2013, 21/03/2013, 26/03/2013, 04/04/2013, 16/04/2013 and 01/05/2013.

The gas data has been used to calculate gas screening values (GSV) in litres per hour [(2)]. Ian Farmer Associates calculated a GSV for carbon dioxide as 0.01 l/hr, based on the highest carbon dioxide concentration (2.0%) and the highest flow rate (0.5 l/hr). Based on the GSV, Ian Farmer Associates classified the site as Characteristic Situation 1 (based on CIRIA guidance [(4)]) with the risk from gas as very low. They conclude that no special protection measures are required.

2.8 Relevant contaminant linkages

Following completion of the generic quantitative risk assessment, the following relevant contaminant linkages are identified:

- risk to human health from direct contact of soils within the made ground
- risk to human health from the inhalation of asbestos fibres

These linkages have been assessed quantitatively by Ian Farmer associates using generic assessment criteria for the direct contact pathway and without quantification analysis for risks relating to asbestos. In the absence of any further and more detailed analysis for asbestos, and without undertaking a detailed risk assessment for the direct contact pathway, measures are presented to mitigate the risks that have been calculated to date.

3 REMEDIAL AND DEVELOPMENT OBJECTIVES

3.1 Remedial objectives

The objective of the remedial works is to address the relevant contaminant linkages identified in Section 2.6.6, to render the site suitable for the proposed end use. The following remedial objectives are taken into account in formulating this strategy:

- comply with regulatory environmental protection requirements
- reduce to acceptable levels the potential risks that are associated with contaminants by either removing the source from the site of breaking the pathway that links the source to the receptor
- limit the removal of soil from site for disposal to that necessary to achieve required development levels – Government policy is to encourage sustainable methods of remediation

3.2 Development objectives

The following development objectives are taken into account in formulating this strategy:

- subject to space restrictions, minimise off-site disposal of soil by re-using chemically and geotechnically suitable soil where possible and selecting materials as suitable for a particular purpose, e.g. some soils may be suitable beneath hard standing but unsuitable in open space (maintained landscape areas)
- economy of development by maximising use of development form (e.g. hard surfacing, building construction) in arriving at a remedial solution
- minimise delay to development programme
- minimise long-term maintenance requirements

To accommodate the proposed development it is necessary to remove soils from certain parts of the site to reduce overall ground levels. This work is most notable in two areas:

- car park adjacent Glen Street (near TP13) is to be lowered by approximately 0.3m – this material will be removed from site for disposal, as there is no requirement for it on site
- building footprint (adjacent to TP3) is to be reduced by approximately 1.0m – this material will be removed from site for disposal as there is no requirement for it on site. However, this will not affect the ground levels for any adjacent landscaped areas.

4 REMEDIATION STRATEGY

4.1 Introduction

The general principles underpinning the proposed remediation are presented in the following section. Figure 4 presents the remedial plan and indicates areas where mitigation is required and the proposed actions in different parts of the site.

4.2 Off site disposal

It is considered that the areas where a pollutant linkage with site end users and site soil is potentially present (direct contact for human health) are relatively small, because hard standing across the site dominates and only small areas are proposed for landscaping. Hard standing breaks the pathway between the potential sources and the receptor and further mitigation measures are not required in these areas. For landscaped areas, mitigation is required to break the potential for direct contact to occur, consequently the volume of soils that would require mitigation is considered to be relatively small.

In the areas identified for soft landscaping (see Figure 4) the ground level will be reduced by at least 0.6m below the final development levels so that all soils that are potentially contaminated with asbestos fibres, benzo(a)pyrene and benzo(a)anthracene, which are within the landscaped areas with a potential for direct contact can be removed from site. By removing this soil from site it will break the direct contact pathway that has been identified and it will remove any potential future liabilities associated with this soil.

All soil will be taken to an appropriately licensed treatment or disposal facility and transported by an appropriately licensed carrier. Duty of care information to demonstrate this will be collected and maintained on site for inspection. Upon completion of the soil removal and placement of the adjacent hard standing clean soils can be placed in the remaining landscape area. The soils will be placed as per the specification for cover materials and will comprise the following layers:

- uncontaminated topsoil – 0.15m
- uncontaminated subsoil – at least 0.45m
- capillary break (0.1m layer of hardcore) or geotextile break layer

The main function of the soils is to provide a suitable growing medium for the landscaped area and details of verification requirements, including source verification and chemical testing, are included in Section 5.

4.3 Asbestos-containing materials (ACM)

Asbestos has been identified in soil samples collected from three locations (TP6, TP13 and TP16) on site. Ten soil samples were originally tested for the presence of ACM.

The three positive results that have been reported are from areas that are relatively close to, or beneath an area of proposed landscaping.

Quantification tests were not originally scheduled on the samples where ACM was identified and therefore the amount of asbestos present cannot be confirmed. The analyst who undertook the testing recorded that small clumps and bundles of unbound asbestos fibre were identified in the samples. No visible signs of asbestos were recorded in the relevant trial pit logs although 'concrete and tile' was recorded in TP6 between 0.2m and 1.0m bgl. In September 2013 additional soil samples were collected from site at the locations and depths where the previous positive results for asbestos were identified. No asbestos fibres were identified in these three additional soil samples and therefore quantification testing could not be undertaken.

The fact that no asbestos was detected in the three additional samples taken at the locations where asbestos was found previously suggests that the asbestos contamination is localised and sporadic, rather than being consistently present throughout the soil. Nevertheless, it will be necessary to consider mitigation to protect sensitive receptors during the development. However, the provision of soft and hard cover material in the three locations where ACM has been identified will be suitable to mitigate the potential risk to end users at the site. Risk to site workers and to adjacent residents or site users during construction works will need to be addressed and is not covered in this report.

During general site redevelopment, any ACM noted by site personnel should be removed and disposed of appropriately.

4.3.1 Safety of construction workers during ground works

Asbestos fibres are released more readily from granular soil. From the trial pit logs provided, the made ground is dominated by demolition type material comprising gravel fragments of bricks, concrete, slate and tile, etc. Fibres are also released more readily during dry and windy conditions with fibre release reduced when soil moisture contents are maintained greater than 10%. Asbestos concentrations in the soil have not been determined although the presence of asbestos fibres has been confirmed. To prevent, where practicable, exposure and spreading of asbestos fibres in line with the Control of Asbestos Regulations 2012 mitigation measures are recommended.

4.3.2 Adjacent residents during the ground works

The gardens of residential properties (including public open space) are close to the site northern and western boundary and there is a footpath along these boundaries for pedestrian access. Given the potential close proximity of the general public to the proposed works, this linkage will require mitigation measures to prevent, where practicable, exposure to adjacent occupants in line with the Control of Asbestos Regulations 2012.

4.3.3 Uncertainty

Whilst the ACM encountered might appear localised to three locations at the site and within the made ground, which comprises demolition arisings, it is possible that it is also present in other areas of the site where it has not been identified or where it has not

been subject to analysis. This possibility is demonstrated by the failure of the three additional samples that were scheduled to collect samples for asbestos quantification, but did not contain asbestos despite being collected from the location of the site where the previous three positive results were reported.

4.4 Mitigation measures for dealing with asbestos

It is likely that the asbestos that has been identified relates to demolition material that is noted in the trial pit logs and may therefore be widespread across the site wherever this material is present. Quantification of the asbestos has not been undertaken and subsequent attempts to collect samples for quantification were unsuccessful, demonstrating the potential for asbestos fibres to be localised. The potential for fibre release during the works cannot be quantified as fibre concentrations have not been determined but it is likely that the potential may be variable across the site as demolition arisings can vary considerably and their moisture content (linked to the ease of fibre liberation) can also be very variable. It will be necessary to control the release of nuisance dust from the site during the works and such control will also limit the release of asbestos. RSK considers the works are not licensable and that notification of the works to HSE is not required.

To manage spreading and exposure risks RSK recommends:

- excavations within the made ground and stockpiles comprising made ground (incorporating demolition arisings) be dampened down
- stockpiles of made ground (incorporating demolition arisings) placed on plastic sheeting and covered
- watching brief maintained to deal with potential unforeseen ACM

To demonstrate these mitigation works are adequate RSK recommends boundary monitoring be undertaken. Further details on the mitigation measures are provided in the following subsections.

4.4.1 Mitigation measures to manage spreading and exposure

The asbestos contamination within the made ground presents a potential risk to site personnel and the general public during the development of the site. Disturbance of the made ground on site by vehicles and excavation activity has the potential to cause airborne fibre release. This shall be minimised by the implementation of the following control measures:

- the exposed made ground soil should be dampened down to reduce the potential for asbestos fibre release. The moisture content at the surface of the area being excavated and in any uncovered stockpiles of excavated made ground material should be maintained at >10%.
- excavated made ground soils should loaded directly onto a tipper lorry for removal off-site by an appropriately licensed carrier to an appropriately licensed facility
- where there will be a delay between the excavation of made ground comprising demolition arisings and their offsite disposal, to prevent spreading of potential asbestos contamination to natural soils, the soils should if possible be stored on impacted areas that are later to be excavated and removed. If this is not possible, stockpiles should be placed on plastic sheeting

- if stockpiles are to be left in place for more than 12 hours, leading to possible drying out (or sooner if the weather conditions dictate), they shall be covered to prevent the possible release of fibres
- when impacted soils are required to remain on site outside of working hours then appropriate fencing should be present to secure the area
- vehicle movements need to be managed to avoid spreading of asbestos fibres. To minimise the potential for affecting natural soils within the site, vehicular movement routes should be signed and where possible loading areas will be restricted either to hard standing, or to haul roads constructed of clean imported fill or natural clean soils from site
- concentrations of asbestos fibres have not been quantified but their potential presence in demolition arisings mean that they could be widespread across the site where demolition material is found. Should the exterior or wheels of any tipper lorry be affected by potentially contaminated material, a vehicle jet-wash will be used to clean the vehicle, with the wash water directed into the contaminated area.

4.4.2 Health and safety of site personnel

It is the responsibility of the main contractor and any appointed sub-contractors to enforce an appropriate health and safety regime for all site personnel. Full details regarding the proposed working practices in connection with the remediation works shall be agreed in advance of the commencement of the works with the CDM coordinator.

A project health and safety plan will be produced before site works commence. This will detail the anticipated hazards associated with the site work, for example asbestos, machinery and open excavation. It will also detail the control measures that will be put in place to reduce these risks to an acceptable level. This plan will also document emergency procedures and include the address and location of the nearest A&E hospital. A copy of this will be made available to principal contractor and CDM coordinator before commencement and also kept on site and made available on request. Upon arrival at the site, the RSK engineer will review the plan to ascertain any site specific amendments that need to be made, such as the presence of additional hazards and the requirement for associated additional control measures.

RSK engineers carry their own personal protective equipment, as detailed in RSK's in house procedures. This includes respiratory protection and protective clothing. Measures will be necessary to protect the health and safety of site workers during the site works. The contractors will be under a statutory obligation to take reasonable care to protect the health and safety of their employees. The following measures are suggested to provide a minimum level of protection:

- all site staff should undergo asbestos awareness training as part of the site induction. The RSK engineer or asbestos surveyor undertaking the air monitoring can give this training
- all ground workers on-site should be issued with protective clothing, dust masks, footwear and gloves. These should not be removed from site, and advice should be given on when and how they are to be used
- care should be taken to minimise the amount of dust and mud generated on-site
- good practices relating to personal hygiene should be adhered to on-site, i.e. food and drink should only be consumed within designated areas on the site and smoking should be prohibited in all working areas.

Reference should also be made to the Health and Safety Executive (HSE) document "Protection of Workers and the General Public during the Development of Contaminated Land".

4.4.3 Mitigation measures to manage unforeseen ACM

Owing to the potential for unforeseen concentrations of ACM throughout excavation of the made ground comprising the demolition arisings RSK recommends a watching brief be maintained by a suitably experienced engineer. The engineer should carefully inspect the soil for the presence of previously unidentified ACM, such as clumps of fibrous asbestos, material that may contain asbestos such as board, rope, textile, vinyl or ceramics. Should the engineer suspect ACM from their visual observations, works should cease and the situation be re-evaluated.

Re-evaluation may require wetting of soil, additional monitoring, risk assessment and personal protective equipment to be adopted. Should it be necessary to obtain samples for bulk analysis or quantification of asbestos, samples will be taken in a controlled manner and utilising appropriate dust suppression techniques. Samples will be double bagged at the sampling location and uniquely labelled. The approximate location will be recorded on the site plan for future reference.

Should sampling be required, bulk samples will be analysed for the presence of asbestos and quantified in-house at our UKAS accredited laboratories. If sedimentation analysis is necessary to complete the quantification this will be subcontracted to IOM (the Institute of Occupational Medicine). All samples will be analysed in accordance with the HSE document HSG248 Asbestos: 'The analysts' guide for surveying, sampling and clearance procedures'.

4.5 Monitoring and analysis

Before excavation works commence baseline sampling should be undertaken comprising:

- three samples of near surface made ground (comprising demolition arisings) taken and analysed for moisture content
- air monitoring and fibre counting on one occasion at the downwind site boundary.

It should be noted that the monitoring procedure must allow a quantification limit of 0.001fibres/ml to be achieved, rather than the usual limit of 0.01fibres/ml that is used for asbestos clearance.

Upon commencement of excavation works, air sampling and counting of asbestos fibres should be undertaken daily for a period of 3 days. Subsequently, the following should be undertaken weekly:

- three samples of soil taken and analysed for moisture content
- air monitoring and counting of fibres downwind of the excavation and at the downwind site boundary.

The specific location of air monitoring will depend upon wind direction and the extent of the excavation works. Therefore, it will be determined upon arrival at the site on the day of monitoring. The monitoring location will be recorded by the engineer undertaking the 'watching brief'.

Where power is available on site, the results of air sampling will be determined on site following completion of the tests. Should power not be available, then fibre levels would need to be determined back at RSK's laboratories with results reported later the same day or first thing on the following day.

5 REQUIREMENTS FOR REMEDIATION VERIFICATION

5.1 Introduction

This section identifies the proposed form of verification and reporting that will be undertaken to demonstrate that the mitigation measures that are considered necessary have been implemented on site.

The source of any imported material for the provision of soft landscaped areas will be presented to the local authority for their comment and approval before it is brought to site.

5.2 Site records

A record of all soil imports to site for the purpose of providing a soft cover will be maintained and this will include:

- certificates of quality - material imported under the WRAP protocol will be accompanied by certificates of conformity that are less than two months old and these must relate to the material being imported
- invoices and lorry tickets - the origin of the soil can be traced to the specific donor site
- chemical test data – all data obtained from the donor site or from site initiated chemical testing
- storage – the location of temporary storage or quarantine areas will be identified and plans / photographs will be kept to show where the stockpiles were
- verification reports – reports that are generated following visits for the purpose of verification will be retained on site

Site records will be maintained so that sufficient data is available for the purpose of compiling a robust verification report. In addition, where ACM is being further investigated or where any proposed mitigation is required, details of this will be retained for inclusion in the site health and safety file as previously discussed.

Chemical test data and visual confirmation of suitability will be recorded prior to confirming the imported soils as being suitable. As detailed in earlier sections of this RS, verification records of the remedial works will be collated in a verification report on completion of all site works.

5.3 Sampling frequency

The type and frequency of confirmatory soil analysis will be in line with that in Table 2. Where appropriate chemical test data is not available, additional sampling will be undertaken once the material is received at site.

Imported soil material will either be quarantined in a temporary storage area where its use will await confirmation of chemical test data or it will be placed directly into the final place of use. There is a risk that soils may need to be removed from site if the chemical

test data shows it is not suitable. Any imported soils will be clearly demarked as awaiting clearance until suitable data confirms its acceptance.

Material arriving at the site will be visually assessed for suitability before it is either placed in quarantine or directly in the final location.

Table 2: Sampling and Testing Requirements

	Number of samples	Testing schedule
Greenfield soils	Minimum 3, or 1 per 250m^3 (whichever is the greater)	As, Cd, Cr, CrVI, Cu, Hg, Ni, Pb, Se, Zn, PAH (16 USEPA speciation), asbestos
Brownfield / screened soils	Minimum 6 or 1 per 100m^3 (whichever is the greater)	As, Cd, Cr, CrVI, Cu, Hg, Ni, Pb, Se, Zn, PAH (16 USEPA speciation), TPH (CWG banded), asbestos and any additional analysis depending on the history of the donor site

In addition to assessing the chemical suitability of the imported material, measurements of the subsoil and top soil thickness will also be confirmed by a third party. At least two verification locations will be selected in each area where soft landscaping is proposed and the relevant measurements recorded; photographic evidence will also be obtained.

A drawing showing the layout of the buildings' footprints, the hard surfaced areas and the soft landscaping areas, together with the locations where the soils in the landscaped areas have been removed and replaced by imported material will be documented in the verification report.

6 CONSTRAINTS AND ADDITIONAL ASSESSMENT

6.1 Potential constraints

The availability of suitable storage areas on site to quarantine soils that are waiting confirmation testing may be insufficient or unavailable, depending on the nature of the work being undertaken. If storage is unavailable it may be necessary to place the cover system soils directly into place as they are received and schedule chemical testing from samples taken in-situ. In the event that the chemical test data shows an exceedance of the assessment criteria, there is a risk this soil would need to be excavated and removed from site, or used in another location where it will be suitable.

6.2 Unanticipated contamination

Extrapolation between site data is undertaken to assume ground conditions between points of data collection. Therefore, it is possible the contamination that has not been identified could be encountered during development works. A watching brief will be in place, looking for any visual and olfactory evidence of contamination during the development works, to ensure that any unexpected areas of contamination are identified and assessed.

In the event that unexpected horizons of contaminated soils are identified during excavation works, the contractor will inform the site manager and/or contact the environmental consultant immediately. Work will be postponed in the area of discovery with the work area cordoned off. The soils will be inspected, sampled and or analysed to assess the potential risks. The environmental consultant will document any findings.

6.3 Asbestos containing material

The potential risk to site end-users from asbestos contamination is considered appropriately mitigated through the placement of the proposed hard and soft barrier systems. The potential risk to on-site workers and to the surrounding residents and site users during site development will be controlled by the mitigation measures detailed in Section 4.2.1.

6.4 Waste disposal

Disposal of general waste will be managed under a site waste management plan the development of which is outside the scope of this report.

The off-site disposal of soils (including made ground), which may be required to break pollutant linkages and also to facilitate the site development to an off-site facility will also be covered under the waste management plan, which will require sufficient chemical and physical testing to be undertaken to allow suitable characterisation to be completed.

7 PROPOSED DEVELOPMENT REMEDIATION REQUIREMENTS

7.1 Introduction

These requirements will be implemented within the development, after completion of specific remediation works. RSK therefore recommends that the requirements identified in this section are specifically brought to the attention of the development team and where appropriate incorporated into contractual requirements for the relevant building contractors/subcontractors engaged in the development.

7.2 Engineering issues

Specification of compaction and materials classification for backfilling to remedial excavations and where required, to raise levels, are outside the scope of this RS. However it should be noted that materials selected (be it from re-use of materials on site or imported to site) should be geotechnically suitable where necessary, and be backfilled in accordance with the design requirements and the relevant British Standard [(3)] to maintain the integrity of the soil as a suitable growing medium.

7.3 Soil cover system

In the areas of soft landscaping which overly made ground a simple soil cover system is to be implemented with growth supporting imported subsoil (or suitable excavated material) and topsoil materials of at least 450mm total thickness. Depending on the relationship between existing and final levels it may be necessary to excavate into made ground soils to allow the correct thickness of cover material to be placed. It is recommended that a geotextile (Teram or similar) marker layer be placed at the base of the cover system directly on to made ground soils.

Soils for the cover system shall contain concentrations of contaminants less than the remedial criteria provided in this report and be compliant with the requirements for general purpose topsoil in BS3882: 2007[(5)].

8 REFERENCES

1. Ian Farmer Associates. Hebburn Community Hub Ground Investigation Report. May 2013.

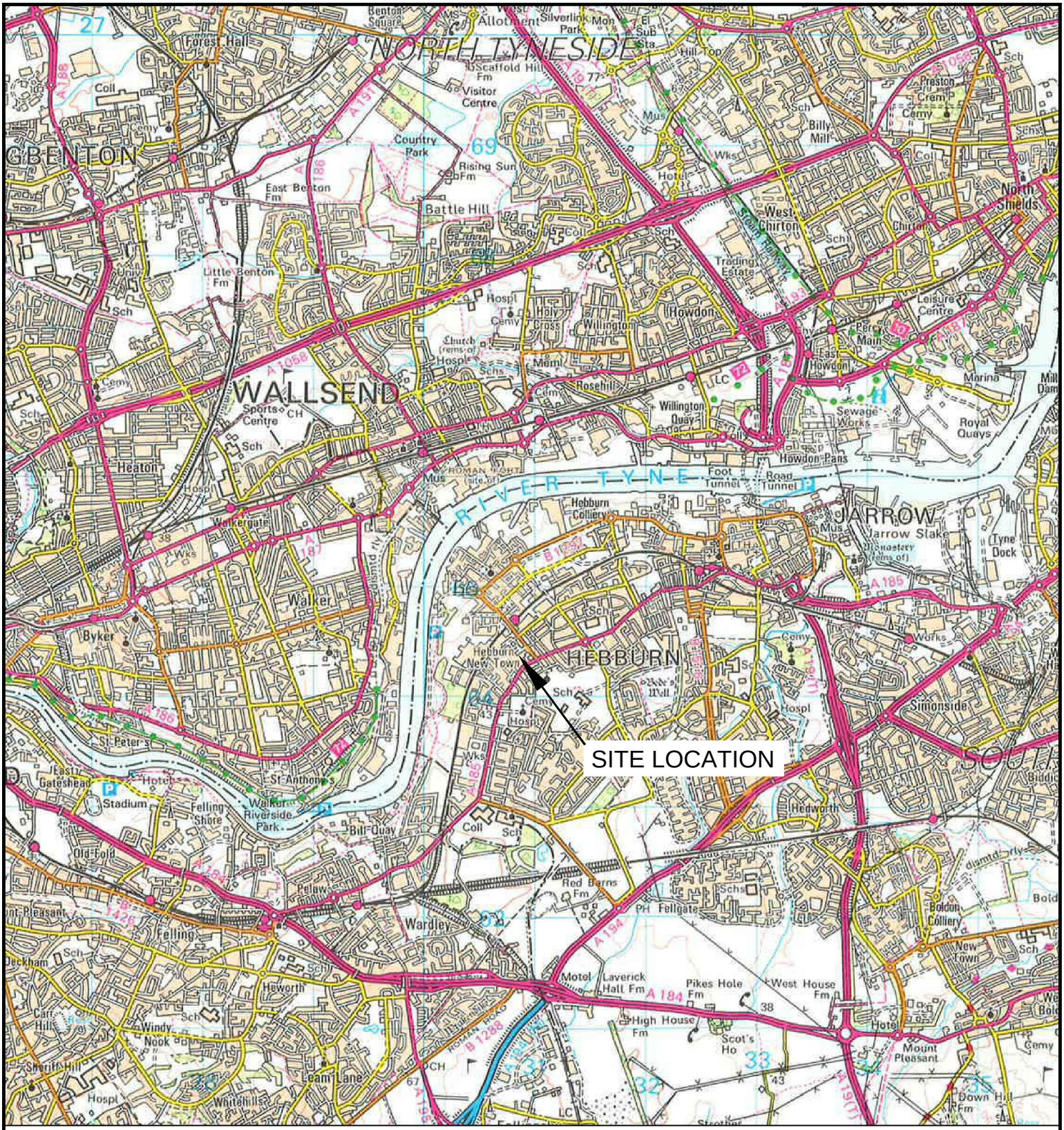
2. Ian Farmer Associates. Hebburn Community Hub. Interpretive Report on Phase 2 Ground Investigation. May 2013.

3. Model Procedures for the Management of Land Contamination. Contaminated Land Report 11 (CLR 11). Published by DEFRA and the Environment Agency, September 2004.

4. CIRIA C665. Assessing risks posed by hazardous ground gases to buildings. 2007.

5. BS3882: 2007. Specification for topsoil and requirements for use. British Standards Institution, 2007.

FIGURES



RSK

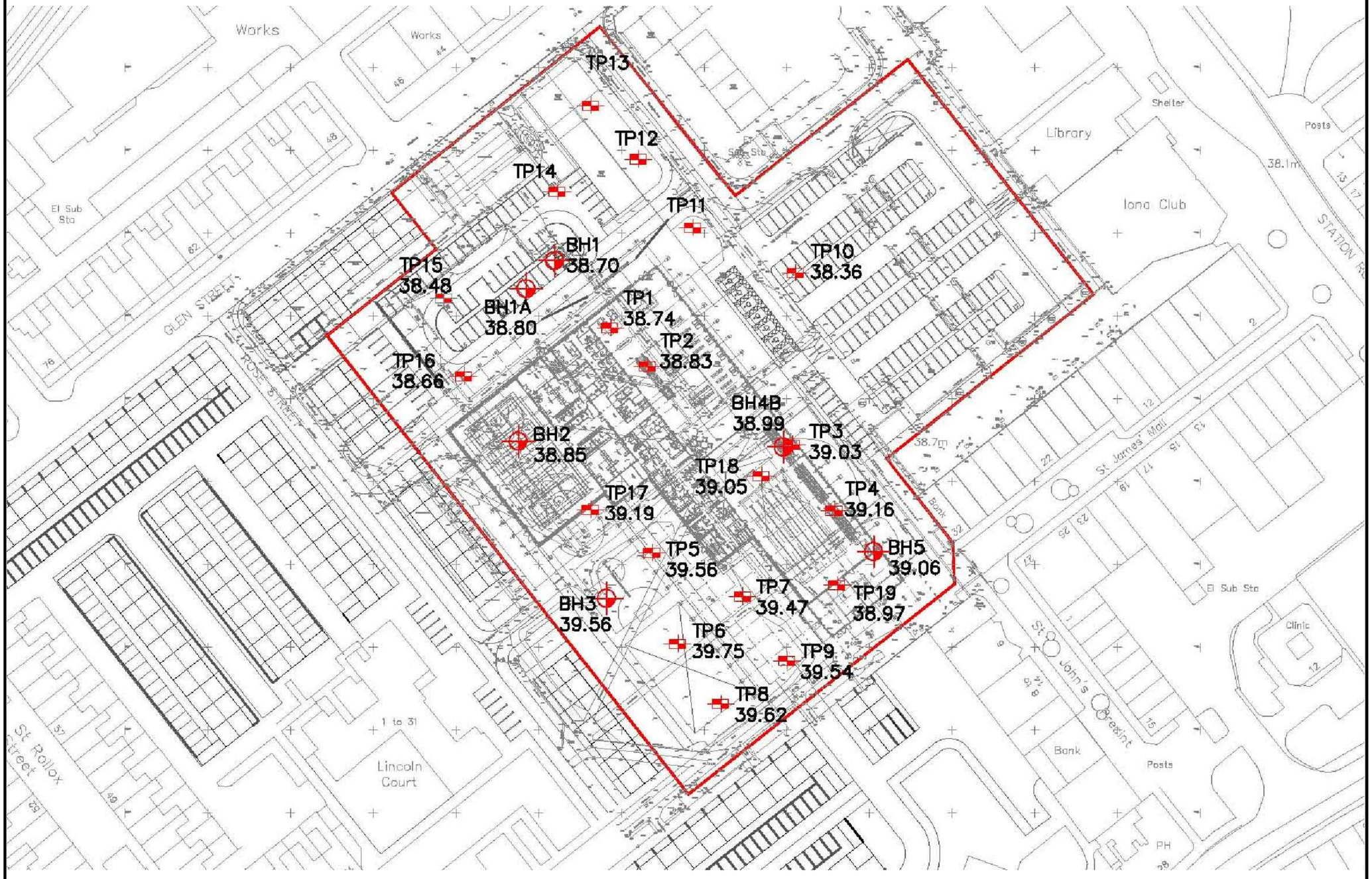
Four Ways House,
57 Hilton Street,
Manchester,
M1 2EJ.

Tel: +44 (0) 161 236 2757
Fax: +44 (0) 161 236 7029
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client	WILLMOTT DIXON
Project Title	HEBBURN COMMUNITY HUB
Drawing Title	SITE LOCATION PLAN

Drawn	Date	Checked	Date	Approved	Date	Project No.	Drawing File
HD	01.12.14	GS	01.12.14	GS	01.12.14	321447	321447-R2(00)D001A

Scale	Orig Size	Dimensions	Drawing No.	Rev.
NTS	A4	—	FIGURE 1	A



LEGEND:

- Borehole location
- Trial pit location

Drawing from Ian Farmer Associates (May 2013) Hebburn Community Hub - Ground Investigation Report

N

REV	DATE	DESCRIPTION	BY	CHD.	APR.
A	01.12.14	FIRST ISSUE	HD	GS	GS

Dimensions	Projection	Scale	Orig Size
m		NTS	A3

RSK
Four Ways House, 57 Hilton Street, Manchester, M1 2EJ.
Tel: +44 (0) 161 236 2757
Fax: +44 (0) 161 236 7029
Email: info@rsk.co.uk
Web: www.rsk.co.uk

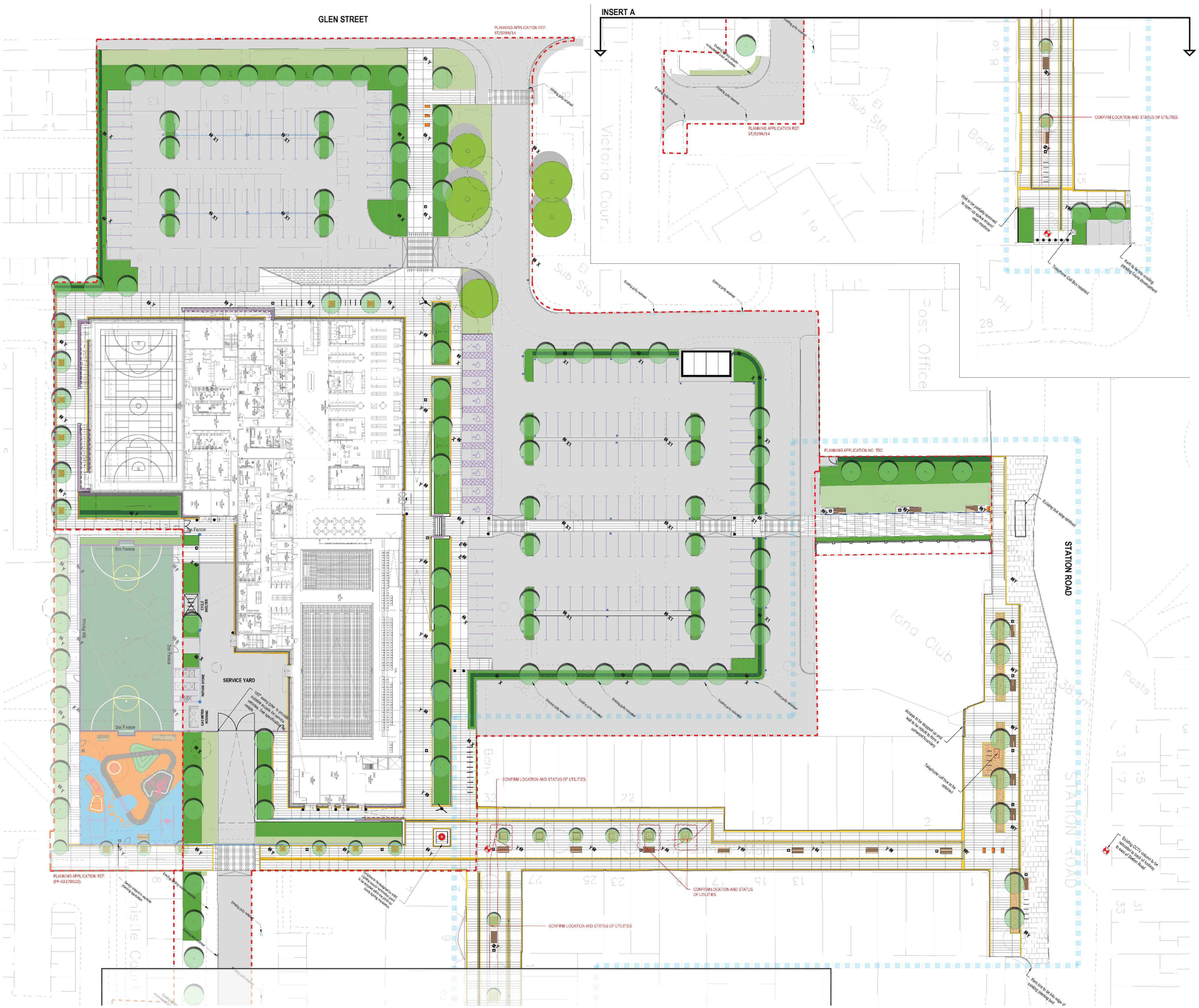
CLIENT: WILLMOTT DIXON

PROJECT: HEBBURN COMMUNITY HUB

TITLE: EXPLORATORY HOLE LOCATION PLAN

JOB No.:	DRAWING FILE:
321447	321447-R2(00)D002A

BY:	DATE:	CONTRACT NO.		REV:
HD	01.12.14		FIGURE 2	A



Drawing from Gillespies 'Wider Landscape Works General Arrangement', Dwg No. M5031-121, Rev C04, dated 08.04.14

N

REV	DATE	DESCRIPTION	BY	CHD.	APR.
A	01.12.14	FIRST ISSUE	HD	GS	GS

Dimensions	Projection	Scale	Orig Size
m		NTS	A3

RSK
Four Ways House,
57 Hilton Street,
Manchester,
M1 2EJ.
Tel: +44 (0) 161 236 2757
Fax: +44 (0) 161 236 7029
Email: info@rsk.co.uk
Web: www.rsk.co.uk

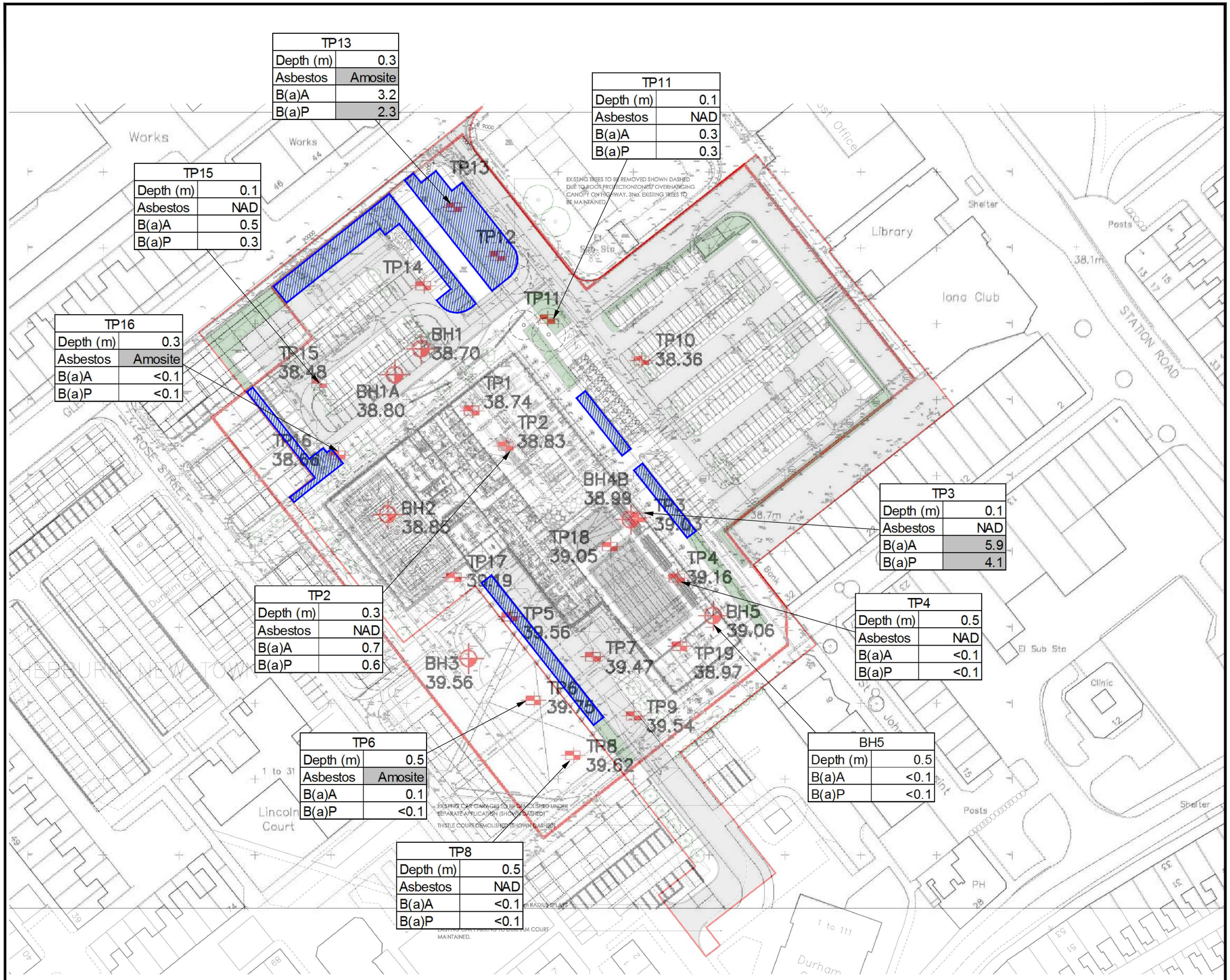
CLIENT
WILLMOTT DIXON

PROJECT
HEBBURN COMMUNITY HUB

TITLE
CURRENT PROPOSED DEVELOPMENT LAYOUT

JOB No.:	DRAWING FILE:
321447	321447-R1(00)D003A

BY:	DATE:	CONTRACT NO.		REV:
HD	26.07.13		FIGURE 3	A



LEGEND:

Hotspot removal with 600mm soft cover material replaced

2.34mg/kg B(a)P - concentration of benzo(a)pyrene
2.34mg/kg B(a)A - concentration of benzo(a)anthracene
Amosite - brown asbestos was identified but no quantification data is available
NAD - no asbestos detected

Chemical test data relates to sampling undertaken February 2013.
Shading in tables relates to an exceedance of the GAC or a detection of asbestos fibres.

Drawing from Ian Farmer Associates (May 2013) Habburn Community Hub - Ground Investigation Report

REV	DATE	DESCRIPTION	BY	CHD.	APR.
A	01.12.14	FIRST ISSUE	HD	GS	GS

Dimensions	Projection	Scale	Orig Size
m		NTS	A3

RSK
Four Ways House, 57 Hilton Street, Manchester, M1 2EJ.
Tel: +44 (0) 161 236 2757
Fax: +44 (0) 161 236 7029
Email: info@rsk.co.uk
Web: www.rsk.co.uk

CLIENT: WILLMOTT DIXON

PROJECT: HEBBURN COMMUNITY HUB

TITLE: REMEDIATION PLAN

JOB No.:	DRAWING FILE:
321447	321447-R2(00)D004A

BY:	DATE:	CONTRACT NO.		REV:
HD	01.12.14		FIGURE 4	A

APPENDIX A
SERVICE CONSTRAINTS

RSK ENVIRONMENT LIMITED SERVICE CONSTRAINTS

1. This report and the site investigation carried out in connection with the report (together the "Services") were compiled and carried out by RSK Environment Limited (RSK) for Willmott Dixon (Construction) Limited (the "client") in accordance with the terms of a contract between RSK and the "client". The Services were performed by RSK with the skill and care ordinarily exercised by a reasonable environmental consultant at the time the Services were performed. Further, and in particular, the Services were performed by RSK taking into account the limits of the scope of works required by the client, the time scale involved and the resources, including financial and manpower resources, agreed between RSK and the client.

2. Other than that expressly contained in paragraph 1 above, RSK provides no other representation or warranty whether express or implied, in relation to the Services.

3. Unless otherwise agreed in writing the Services were performed by RSK exclusively for the purposes of the client. RSK is not aware of any interest of or reliance by any party other than the client in or on the Services. Unless expressly provided in writing, RSK does not authorise, consent or condone any party other than the client relying upon the Services. Should this report or any part of this report or otherwise details of the Services or any part of the Services be made known to any such party, and such party relies thereon that party does so wholly at its own and sole risk and RSK disclaims any liability to such parties. Any such party would be well advised to seek independent advice from a competent environmental consultant and/or lawyer.

4. It is RSK's understanding that this report is to be used for the purpose described in the introduction to the report. That purpose was a significant factor in determining the scope and level of the Services. Should the purpose for which the report is used, or the proposed use of the site change, this report may no longer be valid and any further use of or reliance upon the report in those circumstances by the client without RSK 's review and advice shall be at the client's sole and own risk. Should RSK be requested to review the report after the date of this report, RSK shall be entitled to additional payment at the then existing rates or such other terms as agreed between RSK and the client.

5. The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions contained in this report should not be relied upon in the future without the written advice of RSK. In the absence of such written advice of RSK, reliance on the report in the future shall be at the client's own and sole risk. Should RSK be requested to review the report in the future, RSK shall be entitled to additional payment at the then existing rate or such other terms as may be agreed between RSK and the client.

6. The observations and conclusions described in this report are based solely upon the Services which were provided pursuant to the agreement between the client and RSK. RSK has not performed any observations, investigations, studies or testing not specifically set out or required by the contract between the client and RSK. RSK is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the Services. For the avoidance of doubt, unless otherwise expressly referred to in the introduction to this report, RSK did not seek to evaluate the presence on or off the site of asbestos, electromagnetic fields, lead paint, heavy metals, radon gas or other radioactive or hazardous materials.

7. The Services are based upon RSK's observations of existing physical conditions at the Site gained from a walk-over survey of the site together with RSK's interpretation of information including documentation, obtained from third parties and from the client on the history and usage of the site. The Services are also based on information and/or analysis provided by independent testing and information services or laboratories upon which RSK was reasonably entitled to rely. The Services clearly are limited by the accuracy of the information, including documentation, reviewed by RSK and the observations possible at the time of the walk-over survey. Further RSK was not authorised and did not attempt to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the Services. RSK is not liable for any inaccurate information or conclusions, the discovery of which inaccuracies required the doing of any act including the gathering of any information which was not reasonably available to RSK and including the doing of any independent investigation of the information provided to RSK save as otherwise provided in the terms of the contract between the client and RSK.

8. The intrusive environmental site investigation aspects of the Services is a limited sampling of the site at pre-determined borehole and soil vapour locations based on the operational configuration of the site. The conclusions given in this report are based on information gathered at the specific test locations and can only be extrapolated to an undefined limited area around those locations. The extent of the limited area depends on the soil and groundwater conditions, together with the position of any current structures and underground facilities and natural and other activities on site. In addition chemical analysis was carried out for a limited number of parameters [as stipulated in the contract between the client and RSK] [based on an understanding of the available operational and historical information,] and it should not be inferred that other chemical species are not present.

9. Any site drawing(s) provided in this report is (are) not meant to be an accurate base plan, but is (are) used to present the general relative locations of features on, and surrounding, the site. Features (boreholes, trial pits etc) annotated on site plans are not drawn to scale but are centred over the approximate location. Such features should not be used for setting out and should be considered indicative only.

APPENDIX B
CHEMICAL TEST DATA (SOILS)

Derwentside Environmental Testing Services

2139

Certificate of Analysis

Date: 26/03/2013

Certificate Number: 13-76915-1

Client:	Ian Farmer Associates Unit 1 Bamburgh Court Team Valley Gateshead Tyne & Wear NE11 0TX
Our Reference:	13-76915-1
Client Reference:	30777
Contract Title:	Hebburn Community Hub
Description:	9 soil samples
Date Received:	28 February 2013
Date Started:	01 March 2013
Date Completed:	26 March 2013
Test Procedures:	Identified by prefix DETSn (details on request), Asbestos Analysis (DETS 082).
Notes:	**This report supersedes 13-76915. Leachates added** Observations and interpretations are outside the scope of UKAS accreditation
Approved By:	Rob Brown, Business Manager

Information in Support of the Analytical Results

Analysis

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 425um sieve, in accordance with BS1377.
Organic soil analysis was carried out on an 'as received' sample.

Key

*	Denotes test not included in laboratory scope of accreditation
#	Denotes test that holds MCERTS accreditation, however, MCERTS accreditation is only implied if the report carries the MCERTS logo
$	Denotes tests completed by an approved subcontractor
I/S	Denotes insufficient sample to carry out test
U/S	Denotes that the sample is not suitable for testing

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-
Soils - 1 month
Liquids - 2 weeks
Asbestos (test portion) - 6 months

Summary of Chemical Analysis
Soil Samples

Our Ref: 13-76915-1
Client Ref: 30777
Contract Title: Hebburn Community Hub

			Lab No.	490294	490295	490296	490297	490298
			Sample ID	TP15	TP13	TP16	TP11	TP2
			Depth	0.10	0.30	0.30	0.10	0.30
			Sample Ref	1	2	2	1	2
			Sample Type					
			Sampling Date	22/02/2013	22/02/2013	22/02/2013	04/02/2013	13/02/2013
			Sampling Time					
Test	**Units**	**DETSxx**	**LOD**					
Arsenic	mg/kg	DETS 042#	0.2	12	9.8	14	17	14
Cadmium	mg/kg	DETS 042#	0.1	0.6	0.5	0.6	0.8	0.7
Chromium	mg/kg	DETS 042#	0.15	23	23	44	28	26
Copper	mg/kg	DETS 042#	0.2	62	38	48	58	46
Lead	mg/kg	DETS 042#	0.3	110	130	67	150	63
Mercury	mg/kg	DETSC 2325#	0.05	0.23	0.11	0.14	0.17	0.11
Nickel	mg/kg	DETS 042#	1	24	17	21	29	21
Zinc	mg/kg	DETS 042#	1	170	160	92	140	85
Boron (water soluble)	mg/kg	DETS 020#	0.2	1.3	1.5	1.3	1.5	1.2
Cyanide total	mg/kg	DETSC 2130#	0.1	0.4	1.5	0.2	0.3	0.1
Organic matter	%	DETSC 2002#	0.1	8.8	4.8	5.0	6.5	2.2
Sulphate Aqueous Extract as SO4	mg/l	DETSC 2076#	10	100	1700	600	34	91
pH		DETSC 2008#		8.4	10.2	8.4	8.4	9.1
Acenaphthene	mg/kg	DETSC 3301	0.1	< 0.1	0.7	< 0.1	< 0.1	0.2
Acenaphthylene	mg/kg	DETSC 3301	0.1	< 0.1	0.1	< 0.1	< 0.1	0.1
Anthracene	mg/kg	DETSC 3301	0.1	< 0.1	2.1	< 0.1	< 0.1	0.6
Benzo(a)anthracene	mg/kg	DETSC 3301	0.1	0.5	3.2	< 0.1	0.3	0.7
Benzo(a)pyrene	mg/kg	DETSC 3301	0.1	0.3	2.3	< 0.1	0.3	0.6
Benzo(b)fluoranthene	mg/kg	DETSC 3301	0.1	0.3	2.4	< 0.1	0.3	0.5
Benzo(k)fluoranthene	mg/kg	DETSC 3301	0.1	0.1	1.4	< 0.1	0.5	0.3
Benzo(g,h,i)perylene	mg/kg	DETSC 3301	0.1	0.2	1.4	0.2	0.3	0.4
Chrysene	mg/kg	DETSC 3301	0.1	0.2	2.7	< 0.1	< 0.1	0.6
Dibenzo(a,h)anthracene	mg/kg	DESTC 3301	0.1	< 0.1	0.2	< 0.1	0.3	< 0.1
Fluoranthene	mg/kg	DETSC 3301	0.1	0.7	6.8	0.1	0.3	1.9
Fluorene	mg/kg	DETSC 3301	0.1	< 0.1	1.0	< 0.1	< 0.1	0.2
Indeno(1,2,3-c,d)pyrene	mg/kg	DETSC 3301	0.1	< 0.1	1.2	0.2	< 0.1	0.4
Naphthalene	mg/kg	DETSC 3301	0.1	< 0.1	1.1	< 0.1	< 0.1	< 0.1
Phenanthrene	mg/kg	DETSC 3301	0.1	0.2	5.7	< 0.1	< 0.1	2.1
Pyrene	mg/kg	DETSC 3301	0.1	0.7	5.4	0.1	0.3	1.4
PAH	mg/kg	DETSC 3301	1.6	3.1	38	< 1.6	2.9	10
EPH (C10-C12)	mg/kg	DETSC 3311	10	< 10	< 10	< 10	< 10	< 10
EPH (C12-C16)	mg/kg	DETSC 3311	10	< 10	< 10	< 10	< 10	< 10
EPH (C16-C35)	mg/kg	DETSC 3311	10	38	110	< 10	20	10
EPH (C36-C40)	mg/kg	DETSC 3311	10	< 10	< 10	< 10	< 10	< 10
EPH (C10-C40)	mg/kg	DETSC 3311#	10	38	130	< 10	20	11
Phenol - Monohydric	mg/kg	DETSC 2130#	0.3	0.4	< 0.3	< 0.3	0.3	< 0.3

Summary of Chemical Analysis
Soil Samples

Our Ref: 13-76915-1
Client Ref: 30777
Contract Title: Hebburn Community Hub

			Lab No.	490299	490300	490301	490302
			Sample ID	TP4	TP3	TP6	TP8
			Depth	0.50	0.10	0.50	0.50
			Sample Ref	2	1	3	3
			Sample Type				
			Sampling Date	13/02/2013	13/02/2013	14/02/2013	14/02/2013
			Sampling Time				
Test	**Units**	**DETSxx**	**LOD**				
Arsenic	mg/kg	DETS 042#	0.2	9.2	8.2	5.6	6.8
Cadmium	mg/kg	DETS 042#	0.1	0.6	0.5	0.4	0.5
Chromium	mg/kg	DETS 042#	0.15	38	21	15	25
Copper	mg/kg	DETS 042#	0.2	37	29	18	32
Lead	mg/kg	DETS 042#	0.3	88	55	48	50
Mercury	mg/kg	DETSC 2325#	0.05	0.11	0.10	0.10	0.08
Nickel	mg/kg	DETS 042#	1	29	15	15	24
Zinc	mg/kg	DETS 042#	1	80	84	110	100
Boron (water soluble)	mg/kg	DETS 020#	0.2	1.7	1.3	2.1	1.2
Cyanide total	mg/kg	DETSC 2130#	0.1	0.1	0.3	< 0.1	0.1
Organic matter	%	DETSC 2002#	0.1	5.2	4.6	2.7	5.3
Sulphate Aqueous Extract as SO4	mg/l	DETSC 2076#	10	210	240	1700	280
pH		DETSC 2008#		8.7	10.1	10.4	9.3
Acenaphthene	mg/kg	DETSC 3301	0.1	< 0.1	0.2	< 0.1	< 0.1
Acenaphthylene	mg/kg	DETSC 3301	0.1	< 0.1	0.3	< 0.1	< 0.1
Anthracene	mg/kg	DETSC 3301	0.1	< 0.1	1.4	< 0.1	< 0.1
Benzo(a)anthracene	mg/kg	DETSC 3301	0.1	< 0.1	5.9	0.1	< 0.1
Benzo(a)pyrene	mg/kg	DETSC 3301	0.1	< 0.1	4.1	< 0.1	< 0.1
Benzo(b)fluoranthene	mg/kg	DETSC 3301	0.1	< 0.1	3.1	< 0.1	< 0.1
Benzo(k)fluoranthene	mg/kg	DETSC 3301	0.1	< 0.1	1.7	< 0.1	< 0.1
Benzo(g,h,i)perylene	mg/kg	DETSC 3301	0.1	< 0.1	2.0	< 0.1	< 0.1
Chrysene	mg/kg	DETSC 3301	0.1	< 0.1	5.0	< 0.1	< 0.1
Dibenzo(a,h)anthracene	mg/kg	DESTC 3301	0.1	< 0.1	0.5	< 0.1	< 0.1
Fluoranthene	mg/kg	DETSC 3301	0.1	0.3	8.1	< 0.1	< 0.1
Fluorene	mg/kg	DETSC 3301	0.1	< 0.1	0.3	< 0.1	< 0.1
Indeno(1,2,3-c,d)pyrene	mg/kg	DETSC 3301	0.1	< 0.1	2.5	< 0.1	< 0.1
Naphthalene	mg/kg	DETSC 3301	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	mg/kg	DETSC 3301	0.1	< 0.1	3.5	< 0.1	< 0.1
Pyrene	mg/kg	DETSC 3301	0.1	0.2	6.2	< 0.1	< 0.1
PAH	mg/kg	DETSC 3301	1.6	< 1.6	45	< 1.6	< 1.6
EPH (C10-C12)	mg/kg	DETSC 3311	10	< 10	< 10	< 10	< 10
EPH (C12-C16)	mg/kg	DETSC 3311	10	< 10	< 10	< 10	< 10
EPH (C16-C35)	mg/kg	DETSC 3311	10	39	250	110	87
EPH (C36-C40)	mg/kg	DETSC 3311	10	32	23	49	25
EPH (C10-C40)	mg/kg	DETSC 3311#	10	71	280	160	120
Phenol - Monohydric	mg/kg	DETSC 2130#	0.3	< 0.3	< 0.3	< 0.3	< 0.3

Sample Comments

DETS cannot be held responsible for the integrity of sample(s) received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating.

Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note "Guidance on Deviating Samples".

All samples received are listed below. However, those samples that have additional comments in relation to hold time and/or inappropriate containers are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations.

If no sampled date (soils) or date/time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters), this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Lab No.	Sample ID	Date Sampled	Containers Received	Deviating due to holding time being exceeded for test	Deviating due to inappropriate container for test
490294	TP15 0.10 SOIL	22/02/2013	Glass Jar 1 litre (1 litre), Plastic Tub 1 litre (1kg)		
490295	TP13 0.30 SOIL	22/02/2013	Glass Jar 1 litre (1 litre), Plastic Tub 1 litre (1kg)		
490296	TP16 0.30 SOIL	22/02/2013	Glass Jar 1 litre (1 litre), Plastic Tub 1 litre (1kg)		
490297	TP11 0.10 SOIL	04/02/2013	Glass Jar 1 litre (1 litre), Plastic Tub 1 litre (1kg)	EPH solid (14 days), Naphthalene (14 days), PAH FID solid (14 days), PAH FID solid (calc) (14 days), TPH (14 days)	
490298	TP2 0.30 SOIL	13/02/2013	Glass Jar 1 litre (1 litre), Plastic Tub 1 litre (1kg)	EPH solid (14 days), Naphthalene (14 days), PAH FID solid (14 days), PAH FID solid (calc) (14 days), TPH (14 days)	
490299	TP4 0.50 SOIL	13/02/2013	Glass Jar 1 litre (1 litre), Plastic Tub 1 litre (1kg)	EPH solid (14 days), Naphthalene (14 days), PAH FID solid (14 days), PAH FID solid (calc) (14 days), TPH (14 days)	
490300	TP3 0.10 SOIL	13/02/2013	Glass Jar 1 litre (1 litre), Plastic Tub 1 litre (1kg)	EPH solid (14 days), Naphthalene (14 days), PAH FID solid (14 days), PAH FID solid (calc) (14 days), TPH (14 days)	
490301	TP6 0.50 SOIL	14/02/2013	Glass Jar 1 litre (1 litre), Plastic Tub 1 litre (1kg)	EPH solid (14 days), Naphthalene (14 days), PAH FID solid (14 days), PAH FID solid (calc) (14 days), TPH (14 days)	

Derwentside Environmental Testing Services

2139

Certificate of Analysis

Certificate Number: 13-77533-1

Date: 04/04/2013

Client:	Ian Farmer Associates Unit 1 Bamburgh Court Team Valley Gateshead Tyne & Wear NE11 0TX
Our Reference:	13-77533-1
Client Reference:	30777
Contract Title:	Hebburn Community Hub
Description:	1 soil sample, 1 leachate sample
Date Received:	11 March 2013
Date Started:	12 March 2013
Date Completed:	04 April 2013
Test Procedures:	Identified by prefix DETSn (details on request), Asbestos Analysis (DETS 082).
Notes:	**This report supersedes 13-77533, additional testing carried out** Observations and interpretations are outside the scope of UKAS accreditation
Approved By:	Rob Brown, Business Manager

Information in Support of the Analytical Results

Analysis

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 425um sieve, in accordance with BS1377.
Organic soil analysis was carried out on an 'as received' sample.

Key

*	Denotes test not included in laboratory scope of accreditation
#	Denotes test that holds MCERTS accreditation, however, MCERTS accreditation is only implied if the report carries the MCERTS logo
$	Denotes tests completed by an approved subcontractor
I/S	Denotes insufficient sample to carry out test
U/S	Denotes that the sample is not suitable for testing

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-
Soils - 1 month
Liquids - 2 weeks
Asbestos (test portion) - 6 months

Summary of Chemical Analysis
Matrix Descriptions

Our Ref: 13-77533-1
Client Ref: 30777
Contract Title: Hebburn Community Hub

Sample ID	Other ID	Depth	Sample No	Completed	Matrix Description
BH5	3	0.50	493659	04/04/2013	Brown gravelly sandy CLAY

Summary of Chemical Analysis
Soil Samples

Our Ref: 13-77533-1
Client Ref: 30777
Contract Title: Hebburn Community Hub

			Lab No.	493659
			Sample ID	BH5
			Depth	0.50
			Sample Ref	3
			Sample Type	C
			Sampling Date	05/03/2013
			Sampling Time	
Test	**Units**	**DETSxx**	**LOD**	
Arsenic	mg/kg	DETS 042#	0.2	9.7
Cadmium	mg/kg	DETS 042#	0.1	0.7
Chromium	mg/kg	DETS 042#	0.15	24
Copper	mg/kg	DETS 042#	0.2	32
Lead	mg/kg	DETS 042#	0.3	89
Mercury	mg/kg	DETSC 2325#	0.05	0.19
Nickel	mg/kg	DETS 042#	1	20
Zinc	mg/kg	DETS 042#	1	120
Boron (water soluble)	mg/kg	DETS 020#	0.2	1.5
Cyanide total	mg/kg	DETSC 2130#	0.1	0.4
Organic matter	%	DETSC 2002#	0.1	3.6
Sulphate Aqueous Extract as SO4	mg/l	DETSC 2076#	10	200
pH		DETSC 2008#		9.2
Acenaphthene	mg/kg	DETSC 3301	0.1	< 0.1
Acenaphthylene	mg/kg	DETSC 3301	0.1	< 0.1
Anthracene	mg/kg	DETSC 3301	0.1	0.2
Benzo(a)anthracene	mg/kg	DETSC 3301	0.1	< 0.1
Benzo(a)pyrene	mg/kg	DETSC 3301	0.1	< 0.1
Benzo(b)fluoranthene	mg/kg	DETSC 3301	0.1	< 0.1
Benzo(k)fluoranthene	mg/kg	DETSC 3301	0.1	< 0.1
Benzo(g,h,i)perylene	mg/kg	DETSC 3301	0.1	< 0.1
Chrysene	mg/kg	DETSC 3301	0.1	< 0.1
Dibenzo(a,h)anthracene	mg/kg	DESTC 3301	0.1	< 0.1
Fluoranthene	mg/kg	DETSC 3301	0.1	0.8
Fluorene	mg/kg	DETSC 3301	0.1	< 0.1
Indeno(1,2,3-c,d)pyrene	mg/kg	DETSC 3301	0.1	< 0.1
Naphthalene	mg/kg	DETSC 3301	0.1	< 0.1
Phenanthrene	mg/kg	DETSC 3301	0.1	0.3
Pyrene	mg/kg	DETSC 3301	0.1	0.6
PAH	mg/kg	DETSC 3301	1.6	2.0
EPH (C10-C12)	mg/kg	DETSC 3311	10	< 10
EPH (C12-C16)	mg/kg	DETSC 3311	10	< 10
EPH (C16-C21)	mg/kg	DETSC 3311	10	11
EPH (C21-C36)	mg/kg	DETSC 3311	10	70
EPH (C36-C40)	mg/kg	DETSC 3311	10	< 10
EPH (C10-C40)	mg/kg	DETSC 3311#	10	82
Phenol - Monohydric	mg/kg	DETSC 2130#	0.3	0.5

Summary of Asbestos Analysis
Soil Samples

Our Ref: 13-77533-1
Client Ref: 30777
Contract Title: Hebburn Community Hub

Lab No	Sample Ref	Material Type*	Result	Comment	Analyst
493659	BH5 3 0.50	Soil	NAD	na	Colin Patrick

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. NAD = No Asbestos Detected. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETS 082 using polarised light microscopy in accordance with HSG248 and documented in-house methods. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'.

Summary of Asbestos Analysis
Soil Samples

Our Ref: 13-76915-1
Client Ref: 30777
Contract Title: Hebburn Community Hub

Lab No	Sample Ref	Material Type*	Result	Comment	Analyst
490294	TP15 1 0.10	Soil	NAD	na	Jeff Cruddas
490295	TP13 2 0.30	Soil	Amosite	contains bundles of unbound asbestos fibres	Jeff Cruddas
490296	TP16 2 0.30	Soil	Amosite	contains bundles of unbound asbestos fibres	Jeff Cruddas
490297	TP11 1 0.10	Soil	NAD	na	Jeff Cruddas
490298	TP2 2 0.30	Soil	NAD	na	Jeff Cruddas
490299	TP4 2 0.50	Soil	NAD	na	Jeff Cruddas
490300	TP3 1 0.10	Soil	NAD	na	Jeff Cruddas
490301	TP6 3 0.50	Soil	Amosite	contains small clump & unbound asbestos fibres	Jeff Cruddas
490302	TP8 3 0.50	Soil	NAD	na	Jeff Cruddas

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. NAD = No Asbestos Detected. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETS 082 using polarised light microscopy in accordance with HSG248 and documented in-house methods. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'.

Appendix A - Details of Analysis

Method details are shown only for those determinands listed in Annex A of the MCERTS standard. Anything not included on this list falls outside the scope of MCERTS.
No Recovery Factors are used in the determination of results. Results reported assume 100% recovery. Full method statements are available on request.

Method	Name of Parameter	Units	Limit of Detection	Sample Preparation	Sub-Contracted	UKAS	MCERTS
DETSC 2002	Organic Matter	%	0.01	Air Dried	No	Yes	Yes
DETSC 2003	Loss on Ignition	%	0.01	Air Dried	No	Yes	Yes
DETSC 2004	Total Sulphate	%	0.01	Air Dried	No	Yes	Yes
DETSC 2321	Total Sulphate	%	0.01	Air Dried	No	Yes	Yes
DETSC 2004	Water Soluble Sulphate	mg/l	10.00	Air Dried	No	Yes	Yes
DETSC 2076	Water Soluble Sulphate	mg/l	10.00	Air Dried	No	Yes	Yes
DETSC 2006	Chloride	mg/kg	0.01	Air Dried	No	Yes	Yes
DETSC 2008	pH	pH Units	0.10	Air Dried	No	Yes	Yes
DETS 042	Selenium	mg/kg	0.50	Air Dried	No	Yes	Yes
DETSC 2119	Ammonia	mg/kg	0.02	Air Dried	No	Yes	Yes
DETS 020	Boron (Water Soluble)	mg/kg	0.20	Air Dried	No	Yes	Yes
DETSC 2024	Sulphide	mg/kg	10.00	Air Dried	No	Yes	Yes
DETS 042	Antimony	mg/kg	1.00	Air Dried	No	No	No
DETS 042	Arsenic	mg/kg	0.20	Air Dried	No	Yes	Yes
DETS 042	Barium	mg/kg	1.50	Air Dried	No	Yes	Yes
DETS 042	Beryllium	mg/kg	0.20	Air Dried	No	Yes	Yes
DETS 042	Cadmium	mg/kg	0.10	Air Dried	No	Yes	Yes
DETS 042	Cobalt	mg/kg	0.70	Air Dried	No	Yes	Yes
DETS 042	Copper	mg/kg	0.20	Air Dried	No	Yes	Yes
DETS 042	Chromium	mg/kg	0.15	Air Dried	No	Yes	Yes
DETS 042	Iron	mg/kg	1.00	Air Dried	No	Yes	No

Appendix A - Details of Analysis

Method details are shown only for those determinands listed in Annex A of the MCERTS standard. Anything not included on this list falls outside the scope of MCERTS.
No Recovery Factors are used in the determination of results. Results reported assume 100% recovery. Full method statements are available on request.

Method	Name of Parameter	Units	Limit of Detection	Sample Preparation	Sub-Contracted	UKAS	MCERTS
DETS 042	Lead	mg/kg	0.30	Air Dried	No	Yes	Yes
DETS 042	Manganese	mg/kg	20.00	Air Dried	No	Yes	Yes
DETSC 2325	Mercury	mg/kg	0.05	Air Dried	No	Yes	Yes
DETS 042	Molybdenum	mg/kg	0.40	Air Dried	No	Yes	Yes
DETS 042	Nickel	mg/kg	0.20	Air Dried	No	Yes	Yes
DETS 042	Thallium	mg/kg	1.00	Air Dried	No	No	No
DETS 042	Vanadium	mg/kg	0.80	Air Dried	No	Yes	Yes
DETS 042	Zinc	mg/kg	1.00	Air Dried	No	Yes	Yes
DETSC 3049	Sulphur (Free)	mg/kg	0.50	As Received	No	Yes	Yes
DETSC 3301	PAH by GC-FID	mg/kg	0.10	As Received	No	Yes	No
DETSC 3311	TPH (C10 - C40)	mg/kg	20.00	As Received	No	Yes	Yes
DETSC 3401	PCB	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	Benzene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	Toluene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	Ethylbenzne	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	Xylene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 2130	Phenol - Monohydric	mg/kg	0.3	Air Dried	No	Yes	Yes
DETSC 2130	Easily Liberatable Cyanide	mg/kg	0.1	Air Dried	No	Yes	Yes
DETSC 2130	Complex Cyanide	mg/kg	0.30	Air Dried	No	Yes	No
DETSC 2130	Total Cyanide	mg/kg	0.40	Air Dried	No	Yes	Yes
DETSC 2130	Thiocyanate	mg/kg	0.6	Air Dried	No	Yes	Yes

Appendix A - Details of Analysis

Method details are shown only for those determinands listed in Annex A of the MCERTS standard. Anything not included on this list falls outside the scope of MCERTS.
No Recovery Factors are used in the determination of results. Results reported assume 100% recovery. Full method statements are available on request.

Method	Name of Parameter	Units	Limit of Detection	Sample Preparation	Sub-Contracted	UKAS	MCERTS
DETSC 3431	VOC	mg/kg	0.01	As Received	No	No	No
DETSC 3303	PAH by GCMS (see list below)						
DETSC 3303	Acenaphthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Acenaphthylene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(a)anthracene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(a)pyrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(b)fluoranthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(k)fluoranthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(g,h,i)perylene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Dibenzo(a,h)anthracene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Fluoranthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Indeno(1,2,3-c,d)pyrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Naphthalene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Phenanthrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Pyrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Anthracene	mg/kg	0.03	As Received	No	Yes	No
DETSC 3303	Chrysene	mg/kg	0.03	As Received	No	Yes	No
DETSC 3303	Fluorene	mg/kg	0.03	As Received	No	Yes	No

APPENDIX C
GENERIC ASSESSMENT CRITERIA

A3.3 Generic Guidance Values Used Within Contamination Risk Assessment

Residential End Use

	Determinant	Guidance Value (mg/kg) 1% SOM	Guidance Value (mg/kg) 2.5% SOM	Guidance Value (mg/kg) 6% SOM	Primary Data Source
PAH	Acenaphthene	210	480	1000	LQM CIEH GAC
	Acenaphthylene	170	400	850	
	Anthracene	2300	4900	9200	
	Benz(a)anthracene	3.1	4.7	5.9	
	Benzo(a)pyrene	0.83	0.94	1	
	Benzo(b)fluoranthene	5.6	6.5	7	
	Benzo(ghi)perylene	44	46	47	
	Benzo(k)fluoranthene	8.5	9.6	10	
	Chrysene	6	8	9.3	
	Dibenzo(ah)anthracene	0.76	0.86	0.90	
	Fluoranthene	260	460	670	
	Fluorene	160	380	780	
	Indeno(123-cd)pyrene	3.2	3.9	4.2	
	Napthalene	1.5	3.7	8.7	
	Phenanthrene	92	200	380	
	Pyrene	560	1000	1600	
Other Organics	Phenol	210	390	780	LQM CIEH GAC
Metals	Arsenic	32			EA 2009
	Beryllium	51			LQM CIEH GAC
	Boron	291			LQM CIEH GAC
	Cadmium	10			EA 2009
	Chromium (III)	3000			LQM CIEH GAC
	Chromium (VI)	4.3			LQM CIEH GAC
	Copper	2330			LQM CIEH GAC
	Lead	450			CLEA SGV 10
	Inorganic Mercury	169			EA 2009
	Nickel	130			EA 2009
	Selenium	350			EA 2009
	Vanadium	75			LQM CIEH GAC
	Zinc	3750			LQM CIEH GAC

[1] SOM – Soil Organic Matter

A3.3.1 Generic Assessment Criteria for Petroleum Hydrocarbons

Residential	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Guidance Value (mg/kg)	Primary Data Source
	1% SOM	2.5% SOM	6% SOM	
Aliphatic				
EC 5-6	30	55	110	LQM CIEH GAC
EC >6-8	73	160	370	
EC >8-10	19	46	110	
EC >10-12	93 (48)	230 (120)	540 (280)	
EC >12-16	740 (24)	1700 (60)	3000 (140)	
EC >16-35	45000 (8.5)	64000 (21)	76000	
EC >35-44				
Aromatic				
EC 5-7 (benzene)	65	130	280	LQM CIEH GAC
EC >7-8 (toluene)	120	270	611	
EC >8-10	27	65	151	
EC >10-12	69	160	346	
EC >12-16	140	310	593	
EC >16-21	250	480	770	
EC >21-35	890	1100	1230	
EC >35-44				
Aliphatic and Aromatic				
EC >44-70	1200	1300		LQM CIEH GAC
BTEX				
Benzene	0.08	0.18	0.33	EA 2009
Toluene	120	320	610	EA 2009
Ethylbenzene	65	180	350	EA 2009
Xylenes	45	130	230	EA 2009

SOM = Soil Organic Matter
Values in brackets indicate the solubility or vapour saturation limit where this is exceeded by the GAC
Residential xylene screening values are based on data for p-xylene

APPPENDIX D
CHEMICAL TEST DATA (LEACHATE)

Summary of Chemical Analysis
Leachate Samples

Our Ref: 13-76915-1
Client Ref: 30777
Contract Title: Hebburn Community Hub

			Lab No.	496307	496308	496309
			Sample ID	TP13	TP3	TP6
			Depth	0.30	0.10	0.50
			Sample Ref	2	1	3
			Sample Type	C	C	C
			Sampling Date	22/02/2013	13/02/2013	14/02/2013
			Sampling Time			
Test	**Units**	**DETSxx**	**LOD**			
NRA Leachate Preparation		DETS 036*		Y	Y	Y
Arsenic, Dissolved	ug/l	DETSC 2306	0.16	0.68	0.47	0.37
Cadmium, Dissolved	ug/l	DETSC 2306	0.03	< 0.030	< 0.030	< 0.030
Chromium, Dissolved	ug/l	DETSC 2306	0.25	0.42	< 0.25	< 0.25
Copper, Dissolved	ug/l	DETSC 2306	0.4	1.3	1.2	1.4
Lead, Dissolved	ug/l	DETSC 2306	0.09	1.5	< 0.090	< 0.090
Mercury, Dissolved	ug/l	DETSC 2306	0.01	< 0.010	< 0.010	< 0.010
Nickel, Dissolved	ug/l	DETSC 2306	0.5	< 0.50	< 0.50	< 0.50
Zinc, Dissolved	ug/l	DETSC 2306	1.25	2.1	< 1.3	2.0
Boron	ug/l	DETS 020	100	120	< 100	120
Cyanide total	ug/l	DETSC 2130	40	< 40.0	< 40.0	< 40.0
pH		DETSC 2008		7.5	8.1	7.6
Acenaphthene	ug/l	DETS 074*	0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	ug/l	DETS 074*	0.01	< 0.01	< 0.01	< 0.01
Anthracene	ug/l	DETS 074*	0.01	0.02	0.02	0.02
Benzo(a)anthracene	ug/l	DETS 074*	0.01	0.01	0.04	0.03
Benzo(a)pyrene	ug/l	DETS 074*	0.01	0.10	0.03	< 0.01
Benzo(b)fluoranthene	ug/l	DETS 074*	0.01	0.11	0.05	< 0.01
Benzo(k)fluoranthene	ug/l	DETS 074*	0.01	0.06	0.02	< 0.01
Benzo(g,h,i)perylene	ug/l	DETS 074*	0.01	0.05	0.03	0.02
Chrysene	ug/l	DETS 074*	0.01	0.03	0.02	0.07
Dibenzo(a,h)anthracene	ug/l	DETS 074*	0.01	< 0.01	0.08	< 0.01
Fluoranthene	ug/l	DETS 074*	0.01	0.20	0.08	0.06
Fluorene	ug/l	DETS 074*	0.01	0.01	0.01	< 0.01
Indeno(1,2,3-c,d)pyrene	ug/l	DETS 074*	0.01	0.07	0.05	< 0.01
Naphthalene	ug/l	DETS 074*	0.01	0.03	0.03	0.03
Phenanthrene	ug/l	DETS 074*	0.01	0.09	0.20	0.22
Pyrene	ug/l	DETS 074*	0.01	0.16	0.07	0.05
PAH	ug/l	DETS 074*	0.2	0.94	0.71	0.50
EPH (C10-C40)	ug/l	DETSC 3311	10	110	55	50
Phenol	ug/l	DETS 079*	0.5	< 0.50	< 0.50	< 0.50

Summary of Chemical Analysis
Leachate Samples

Our Ref: 13-77533-1
Client Ref: 30777
Contract Title: Hebburn Community Hub

			Lab No.	497141
			Sample ID	BH5
			Depth	0.50
			Sample Ref	3
			Sample Type	C
			Sampling Date	05/03/2013
			Sampling Time	
Test	**Units**	**DETSxx**	**LOD**	
NRA Leachate Preparation		DETS 036*		Y
Arsenic, Dissolved	ug/l	DETSC 2306	0.16	0.36
Cadmium, Dissolved	ug/l	DETSC 2306	0.03	< 0.030
Chromium, Dissolved	ug/l	DETSC 2306	0.25	< 0.25
Copper, Dissolved	ug/l	DETSC 2306	0.4	2.6
Lead, Dissolved	ug/l	DETSC 2306	0.09	0.28
Mercury, Dissolved	ug/l	DETSC 2306	0.01	< 0.010
Nickel, Dissolved	ug/l	DETSC 2306	0.5	0.58
Zinc, Dissolved	ug/l	DETSC 2306	1.25	2.6
Boron	ug/l	DETS 020	100	< 100.0
Cyanide total	ug/l	DETSC 2130	40	< 40.0
pH		DETSC 2008		7.1
Acenaphthene	ug/l	DETS 074*	0.01	< 0.01
Acenaphthylene	ug/l	DETS 074*	0.01	< 0.01
Anthracene	ug/l	DETS 074*	0.01	< 0.01
Benzo(a)anthracene	ug/l	DETS 074*	0.01	0.03
Benzo(a)pyrene	ug/l	DETS 074*	0.01	0.04
Benzo(b)fluoranthene	ug/l	DETS 074*	0.01	0.04
Benzo(k)fluoranthene	ug/l	DETS 074*	0.01	0.03
Benzo(g,h,i)perylene	ug/l	DETS 074*	0.01	0.02
Chrysene	ug/l	DETS 074*	0.01	0.02
Dibenzo(a,h)anthracene	ug/l	DETS 074*	0.01	< 0.01
Fluoranthene	ug/l	DETS 074*	0.01	0.04
Fluorene	ug/l	DETS 074*	0.01	< 0.01
Indeno(1,2,3-c,d)pyrene	ug/l	DETS 074*	0.01	< 0.01
Naphthalene	ug/l	DETS 074*	0.01	< 0.01
Phenanthrene	ug/l	DETS 074*	0.01	0.04
Pyrene	ug/l	DETS 074*	0.01	0.06
PAH	ug/l	DETS 074*	0.2	0.31
EPH (C10-C12)	ug/l	DETSC 3311	10	< 10
EPH (C12-C16)	ug/l	DETSC 3311	10	18
EPH (C16-C21)	ug/l	DETSC 3311	10	34
EPH (C21-C35)	ug/l	DETSC 3311	10	52
EPH (C35-C40)	ug/l	DETSC 3311	10	< 10
EPH (C10-C40)	ug/l	DETSC 3311	10	110
Phenol	ug/l	DETS 079*	0.5	< 0.80

Sample Comments

DETS cannot be held responsible for the integrity of sample(s) received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating.

Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note "Guidance on Deviating Samples".

All samples received are listed below. However, those samples that have additional comments in relation to hold time and/or inappropriate containers are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations.

If no sampled date (soils) or date/time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters), this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Lab No.	Sample ID	Date Sampled	Containers Received	Deviating due to holding time being exceeded for test	Deviating due to inappropriate container for test
493659	BH5 0.50 SOIL	05/03/2013	Glass Jar 1 litre (1 litre), Plastic Tub 1 litre (1kg)		
497141	BH5 0.50 LEACHATE	05/03/2013	Glass Jar 1 litre (1 litre)		

490302	TP8 0.50 SOIL	14/02/2013	Glass Jar 1 litre (1 litre), Plastic Tub 1 litre (1kg)	EPH solid (14 days), Naphthalene (14 days), PAH FID solid (14 days), PAH FID solid (calc) (14 days), TPH (14 days)
496307	TP13 0.30 LEACHATE	22/02/2013	Glass Jar 1 litre (1 litre)	
496308	TP3 0.10 LEACHATE	13/02/2013	Glass Jar 1 litre (1 litre)	
496309	TP6 0.50 LEACHATE	14/02/2013	Glass Jar 1 litre (1 litre)	

APPENDIX E
ADDITIONAL ASBESTOS SAMPLING (TRIAL PIT LOGS AND CHEMICAL TEST DATA)

IAN FARMER ASSOCIATES

Site	Trial Pit Number
HEBBURN COMMUNITY HUB	HDTP 13

Excavation Method	Dimensions	Ground Level (mOD)	Client	Job Number
Hand excavated pit	0.60m x 0.60m x 0.45m		WILMOTT DIXON	30859
	Location	**Dates** 26/09/2013	**Engineer**	**Sheet** 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.20)	MADE GROUND: Brown slightly sandy gravelly clayey TOPSOIL.		
					0.20			
0.30	C1				(0.25)	MADE GROUND: Firm brown sandy gravelly CLAY. Gravel is angular fine to coarse of mixed lithologies including brick, concrete and sandstone. Metal fragments and cobbles noted.		
			26/09/2013:		0.45	Complete at 0.45m		

Plan

Remarks

No groundwater observed.
Pit backfilled with arisings.

Scale (approx)	Logged By	Figure No.
1:10	MD	30859.HDTP 13

IAN FARMER ASSOCIATES

Site	Trial Pit Number
HEBBURN COMMUNITY HUB	HDTP 16

Excavation Method	Dimensions	Ground Level (mOD)	Client	Job Number
Hand excavated pit	0.60m x 0.60m x 0.50m		WILMOTT DIXON	30859
	Location	**Dates** 26/09/2013	**Engineer**	**Sheet** 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.20) 0.20	MADE GROUND: Brown slightly sandy gravelly clayey TOPSOIL.		
0.30	C1		26/09/2013:		(0.30) 0.50	MADE GROUND: Brown clayey SAND and GRAVEL. Sand is fine to coarse. Gravel is angular fine to coarse of mixed lithologies including brick, concrete and glass.		
						Complete at 0.50m		

Plan

Remarks

No groundwater observed.
Pit backfilled with arisings.

Scale (approx)	Logged By	Figure No.
1:10	MD	30859.HDTP 13

IAN FARMER ASSOCIATES

Site	Trial Pit Number
HEBBURN COMMUNITY HUB	HDTP 6

Excavation Method	Dimensions	Ground Level (mOD)	Client	Job Number
Hand excavated pit	0.30m x 0.70m x 0.60m		WILMOTT DIXON	30859
	Location	**Dates** 26/09/2013	**Engineer**	**Sheet** 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.30)	MADE GROUND: Brown becoming dark grey with depth gravelly clayey TOPSOIL.		
0.30	C1				0.30			
					(0.15)	MADE GROUND: Firm to stiff brown slightly sandy gravelly CLAY. Gravel is angular and subangular fine to coarse of mixed lithologies including sandstone. Sandstone cobbles noted.		
					0.45			
					(0.15)	Brown very clayey gravelly SAND. Gravel is angular and subangular fine to coarse sandstone (Possible made ground/reworked ground).		
			26/09/2013:		0.60	Complete at 0.60m		

Plan

Remarks

No groundwater observed.
Pit backfilled with arisings.

Scale (approx)	Logged By	Figure No.
1:10	MD	30859.HDTP 13

Derwentside Environmental Testing Services

2139

Certificate of Analysis

Date: 04/10/2013

Certificate Number: 13-89531

Client:	Ian Farmer Associates Unit 1 Bamburgh Court Team Valley Gateshead Tyne & Wear NE11 0TX
Our Reference:	13-89531
Client Reference:	30859
Contract Title:	Hebburn Community Hub
Description:	3 soil samples
Date Received:	27 September 2013
Date Started:	27 September 2013
Date Completed:	04 October 2013
Test Procedures:	Asbestos Analysis (DETS 082)
Notes:	Observations and interpretations are outside the scope of UKAS accreditation
Approved By:	Rob Brown, Business Manager

Information in Support of the Analytical Results

Analysis

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 425um sieve, in accordance with BS1377.
Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.
The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28oC +/-2oC.

Key

*	Denotes test not included in laboratory scope of accreditation
#	Denotes test that holds MCERTS accreditation, however, MCERTS accreditation is only implied if the report carries the MCERTS logo
$	Denotes tests completed by an approved subcontractor
I/S	Denotes insufficient sample to carry out test
U/S	Denotes that the sample is not suitable for testing

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-
Soils - 1 month
Liquids - 2 weeks
Asbestos (test portion) - 6 months

Summary of Asbestos Analysis
Soil Samples

Our Ref: 13-89531
Client Ref: 30859
Contract Title: Hebburn Community Hub

Lab No	Sample Ref	Material Type*	Result	Comment	Analyst
559770	TP6 0.50	Soil	NAD	na	Michael Kay
559771	TP13 0.30	Soil	NAD	na	Michael Kay
559772	TP16 0.30	Soil	NAD	na	Michael Kay

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. NAD = No Asbestos Detected. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETS 082 using polarised light microscopy in accordance with HSG248 and documented in-house methods. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'.

Sample Comments

DETS cannot be held responsible for the integrity of sample(s) received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating.

Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note "Guidance on Deviating Samples".

All samples received are listed below. However, those samples that have additional comments in relation to hold time and/or inappropriate containers are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations.

If no sampled date (soils) or date/time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters), this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Lab No.	Sample ID	Date Sampled	Containers Received	Deviating due to holding time being exceeded for test(s)	Deviating due to inappropriate container for test(s)	Deviating due to headspace presence in container for test(s)
559770	TP6 0.50 SOIL	26/09/2013	Plastic Bag x2, Plastic Tub 1 litre (1kg) x2			
559771	TP13 0.30 SOIL	26/09/2013	Plastic Bag x2, Plastic Tub 1 litre (1kg) x2			
559772	TP16 0.30 SOIL	26/09/2013	Plastic Bag x2, Plastic Tub 1 litre (1kg) x2			

APPENDIX C

Waste transfer notes (9-11 December 2013) with summary sheet.

Duty of Care | Waste Transfer Note No: 020990

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
11/12/13	KY12VGJ	11-40

Part A - Customer Details and Waste Description 18 TONNE

Customer Name WILLMOTT DIXON

Site Address HEBBURN HUB GLEN ST
HEBBURN
NON HAZARDOUS SOIL 18.00

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12		Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: B. THOMPSON Signature:

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: I Hall

Print Name: HANNER Date of Transfer: 11-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 020989

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
11/12/13	KY12VGJ	8-20 18 TONNE

Part A - Customer Details and Waste Description

Customer Name

WILLMOTT DIXON

Site Address

HEBBURN HUB GLEN ST
HEBBURN

NON HAZARDOUS SOIL 18 200

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12	✓	Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: B. THOMPSON Signature:

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: I. Hall

Print Name: HANLEY Date of Transfer: 11-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 06225

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
11.12.13	NK59 AOX	1124

Part A - Customer Details and Waste Description 17500

Customer Name

WILLMOTT DIXON

Site Address

HEBBURN HUB
GLEN ST
HEBBURN

NON HAZARDOUS

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12	✓	Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

WILLMOTT DIXON
HEBBURN HUB
GLEN ST
HEBBURN

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: [illegible] Signature: [illegible]

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: T Hall

Print Name: HARKER Date of Transfer: 11-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care

Waste Transfer Note No: 02012

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
11-12-13	NK01 ADD	14-15 20-020

Part A - Customer Details and Waste Description

Customer Name WM THOMPSON

Site Address WILLMOTT DIXON HEBBURN HUB
GLENSIDE HEBBURN

NON HAZARDOUS.

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12		Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Tick if same as above ✓

Part B - Current Holder of the Waste - The Transferor

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: CHRIS HEFFER Signature:

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature:

Print Name: HANNEN Date of Transfer: 11-12-13

Address of Transfer: NIRAMAX HARTLEPOOL Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 07292

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
11 12 13	KX63 HYG	1330 PM

Part A - Customer Details and Waste Description

Customer Name 19540

WILLMOTT DIXON

Site Address

GLEN STREET

HEBBURN

NON HAZARDOUS

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12		Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code) NONE HAZARDOUS

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: S YOUNG Signature: S YOUNG

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: T Hanlon

Print Name: HANLON Date of Transfer: 11-12-13

Address of Transfer: PATH HEAD Weighbridge Signature:

Date of Transfer: 11 12 13 Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care Waste Transfer Note No: 020331

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
11-12-13	NK53 CNF	9:30. 18 Tonne

Part A - Customer Details and Waste Description

Customer Name Willmott Dixon

Site Address Hebburn Hub Glen St
Hebburn

NON HAZARDOUS

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12	✓	Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code) Non Hazardous

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: Chris Signature: [signature]

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: I Houl

Print Name: Hanker Date of Transfer: 11-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 014528

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
11.12.13.	NK 56 AEU.	2pm 18000

Part A - Customer Details and Waste Description

Customer Name NILMOR DIXON

Site Address HEBBURN [redacted] GLEN ST 19.000

(NON HAZARDOUS)

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12		Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: CLAYTON Signature:

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature:

Print Name: HANNEN Date of Transfer: 11-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 06673

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
11/12/13	NK54 AXV	2pm 18t -

Part A - Customer Details and Waste Description

Customer Name

Willmot Dixon

Site Address

Hebburn ~~School~~

Glen St -

NON HAZARDOUS

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12	✓	Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		
Other (Including EWC/SIC Code)			NON Hazardous				

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: Peter Dickinson Signature: P Dickinson

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: T. Hanlon

Print Name: Hanlon Date of Transfer: 11-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 06568

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
11 12 13	NK06 ???	1030 / 18T

Part A - Customer Details and Waste Description

Customer Name Willmott Dixon

Site Address hebburn hub, Glen St, hebburn

NON-HAZ

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12	✓	Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: Robert Tate Signature: [signature]

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: [signature]

Print Name: Hancock Date of Transfer: 11-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 07290

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
11 12 13	KX63 MYG	8 45 AM

Part A - Customer Details and Waste Description

Customer Name 19920

WILLMOTT DIXON

Site Address

GLEN STREET

HEBBURN

NON HAZARDOUS

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12		Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code) NONE HAZARDOUS

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: S YOUNG Signature: S YOUNG

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: T. Hall

Print Name: HANNAN Date of Transfer: 11-12-13

Address of Transfer: PATH HEAD Weighbridge Signature:

Date of Transfer: 11 12 13 Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 07291

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
11 12 13	KX 63 MYG	10:55 AM 19880

Part A - Customer Details and Waste Description

Customer Name

WILLMOTT DIXON

Site Address

GLEN STREET
HEBBURN

NON HAZARDOUS

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12
Soil & Stones	170504	43.12	✓	Subsoil	170504	43.12
Concrete	170101	43.11		Timber	170201	43.11
Bricks	170102	43.11		Garden	200202	

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: S YOUNG Signature:

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: I Hall

Print Name: HANCER Date of Transfer: 11-12-13

Address of Transfer: PATH HEAD Weighbridge Signature:

Date of Transfer: 11/12/13 Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 020330

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
11-12-13	N125 9AOV	12.20

Part A - Customer Details and Waste Description

Customer Name Willmot Dixon

Site Address Hebburn Hub Glen St Hebburn

Non HAZARDOUS

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12	✓	Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code) Non Hazardous

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: CHL Signature:

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: T Hall

Print Name: Hannen Date of Transfer: 11-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 020119

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
11-12-13	NK06 ADO	08-30 20-840 KG

Part A - Customer Details and Waste Description

Customer Name ~~WM THOMPSON~~

Site Address WILLMOTT DIXON HEBBURN HUB
GLENST HEBBURN
NON HAZARDOUS

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12		Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: CHRIS HEPPLE Signature:

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: I. Hunt

Print Name: HARKER Date of Transfer: 11-12-13

Address of Transfer: NIRAMAX HARTLEPOOL Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 021738

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
11/12/13	NR06 ACO	12.00 20.000

Part A - Customer Details and Waste Description

Customer Name

WILMOTT DIXON

Site Address

HEBBURN HUB - GLENST HEBBURN.

NON HAZARDOUS

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12	✓	Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		
Other (Including EWC/SIC Code)	NON HAZARDOUS.						

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: DAVID Reid Signature: D Reid

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: I. Hall

Print Name: Hanlen Date of Transfer: 11-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 020120

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
11-12-13	NK06 ADO	11-30 AM 20-00 KG

Part A - Customer Details and Waste Description

Customer Name WILLMOTT DIXON

Site Address GLEN ST HEBBURN HUB GLENST HEBBURN

NON HAZARDOUS

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12		Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: CHRIS HEARN Signature:

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature:

Print Name: MANUEL Date of Transfer: 11-12-13

Address of Transfer: MEAMPK HARTLEPOOL Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 020432

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
10-12-13	KX 63 MYB	19 TONNE + 150

Part A - Customer Details and Waste Description

Customer Name WM THOMPSON ~~WILLMOT DIXON~~

Site Address ROSE ST HEBBURN ~~HEBBURN HUB~~ ~~GLEN ST HEBBURN.~~

NON HAZ. ON WAGON.

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12	✓	Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode WILLMOTT DIXON. HEBBURN HUB. GLEN ST HEBBURN.

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: B TAYLOR. Signature: B Taylor

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: T. Hall

Print Name: HANSON Date of Transfer: 10-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 020988

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
10/12/13	KY12VGJ	18 000KG 14-20

Part A - Customer Details and Waste Description

Customer Name WILLMOTT DIXON

Site Address HEBBURN HUB GLEN ST HEBBURN

NON HAZARDOUS

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12	✓	Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: B. THOMPSON. Signature:

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature:

Print Name: HANNER Date of Transfer: 10-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 020118

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
10-12-13	NK06 ADO	20-00 15-00

Part A - Customer Details and Waste Description

Customer Name WM THOMPSON WILLMOTT DIXON

Site Address WILLMOT DIXON HEBBURN HUB GLEN ST HEBBURN HUB GLEN ST HEBBURN

NON HAZARDOUS

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12	✓	Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: CHRIS HERRIE Signature:

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: T Hall

Print Name: MARKEN Date of Transfer: 10-12-13

Address of Transfer: SITA BLAYDON Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care — Waste Transfer Note No: 06566

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
10 12 13	NK06 EXP	10:00 19+

Part A - Customer Details and Waste Description

Customer Name

Thompsons WILMOTT DIXON

Site Address

Rose St HEBBURN HUB

Hebburn GLEN ST

NON-HAZ HEBBURN

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12		Subsoil	170504	43.12	✓
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: Robert Tate Signature: R Tate

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: I Hall

Print Name: Hanker Date of Transfer: 10-12-13

Address of Transfer: Weighbridge Signature:

...of Transfer: Permit No:

...Copy Blue: Haulier Copy Pink: Customer C...

Duty of Care | Waste Transfer Note No: 020985

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
10/12/13	KY12UGJ	11 am 19T

Part A - Customer Details and Waste Description

Customer Name ~~THOMPSONS~~ W.I.L NOT DIXON

Site Address HEBBURN TOWN CENTRE HEBBURN GLEN ST.

NON HAZARDOUS SOILS

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12		Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: B. THOMPSON Signature:

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: I. Hall

Print Name: HANNEN Date of Transfer: 10-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 020037

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
10.12.13	NK54AXU	12 2m 19T

Part A - Customer Details and Waste Description

Customer Name

THOMPSON NIMMOTT DIXON

Site Address

ROSE ST. GLEN ST

HEBBURN HEBBURN

NON HAZARDOUS

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12		Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: T LIDDELL Signature:

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: I Hall

Print Name: Hannen Date of Transfer: 10-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 07285

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
10 12 13	KX63MYG	1pm 19T

Part A - Customer Details and Waste Description

Customer Name

~~W.H. THOMPSON~~ WILLMOTT DIXON

Site Address

ROSE STREET GLEN ST

HEBBURN HEBBURN

NONE HAZ SAN STONE

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12	✓	Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: S YOUNG Signature: S YOUNG

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: I. Heal

Print Name: Manuel Date of Transfer: 10-12-13

NIRAMAX HARTLEPOOL

Address of Transfer: Weighbridge Signature:

Date of Transfer: 10 12 13 Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 020039

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
10.12.13	NK54AXU	2M 19T

Part A - Customer Details and Waste Description

Customer Name THOMPSON WILLMOTT DIXON

Site Address ROSE ST HEBBURN HUB
HEBBURN GLEN ST.
NONE HA2

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12		Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: T. LIDDELL Signature:

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature:

Print Name: Hanner Date of Transfer: 10-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 020116

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
10-12-13	NK64 ADO	3rd 19T

Part A - Customer Details and Waste Description

Customer Name WM THOMPSON WILLMOTT DIXON

Site Address HEBBURN HEBBURN LNB. GEN ST. HEBBURN

NON HAZARDOUS SOILS/STONE

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12	✓	Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: CHRIS HEARE Signature:

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature:

Print Name: HANNEN Date of Transfer: 10-12-13

Address of Transfer: NILAMAK HARTLEPOOL Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 06567

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
10/12/13	NK06 EYP	2.30pm 19t

Part A - Customer Details and Waste Description

Customer Name

Thompsons — Willmott Dixons

Site Address

Rose St Hebburn — Hebburn Mub Glen St. Hebburn

NON-HAZ

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12		Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: Robert Tate Signature: R Tate

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: I Hanlon

Print Name: Hanlon Date of Transfer: 10-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 020040

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
10·12·13	NK54AXU	1300 ish.

Part A - Customer Details and Waste Description

Customer Name

THOMPSON WILMOTT DIXON

Site Address

ROSE ST HEBBURN WEBBURN HUB
HEBBURN GLEN ST
NORTHUMBERLAND HEBBURN

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12		Subsoil	170504	43.12	✓
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: T. LIDDELL Signature: T Liddell

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: T. Hanson

Print Name: Hanson Date of Transfer: 10-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 06223

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
10.12.13	NK59 AOX	17500

Part A - Customer Details and Waste Description

Customer Name

WILLMOTT DIXON

Site Address

HEBBURN HUB GLEN ST

HEBBURN

NON HAZ

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12	✓	Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode WILLMOTT DIXON
HEBBURN HUB
GLEN ST HEBBURN

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: [illegible] Signature: [illegible]

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: I. Hall

Print Name: Hannen Date of Transfer: 10-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 020986

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
10/12/13	KY12VGJ	11:30am 1qt.

Part A - Customer Details and Waste Description

Customer Name THOMPSONS WILLMOTT DIXON

Site Address HEBBURN TOWN CENTRE HEBBURN HUB
HEBBURN
GLEN ST
NON HAZARDOUS SOIL HEBBURN

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12		Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: B. THOMPSON Signature:

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature:

Print Name: HANKEN Date of Transfer: 10-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 07286

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
10/12/13	KX63MYG	1630hrs. 19980 KG

Part A - Customer Details and Waste Description

Customer Name

WILLMOTT DIXON

Site Address

HEBBURN KVE GLEN STREET
HEBBURN

NON HAZARDOUS

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12		Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: S YOUNG Signature: S YOUNG

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: T. Hannen

Print Name: Hannen Date of Transfer: 10-12-13

Address of Transfer: NIRAMAX HARTLEPOOL Weighbridge Signature:

Date of Transfer: 10/12/13 Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 020036

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
10.12.13	NK54AXU	18 TONNE 1215.

Part A - Customer Details and Waste Description

Customer Name WILLIAM DIXON

Address GLEN ST. HEBBURN

NON HAZARDOUS

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	
Soil & Stones	170504	43.12		Subsoil	170504	43.12	✓
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: T. RIDDELL Signature:

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: I. Hanlon

Print Name: HANLON Date of Transfer: 10-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 06662

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
9/12/13	NK54 AXV	9.30 Booking.

Part A - Customer Details and Waste Description

Customer Name WILLMOTT DIXON

Site Address HEBBURN HUB
HEBBURN

NON HAZARDOUS.

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	✓
Soil & Stones	170504	43.12		Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: Peter Dickinson Signature: P Dickinson

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: I. Hall

Print Name: Hansen Date of Transfer: 09-12-13

Address of Transfer: Stwell 9/12/13 Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 06663

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
9/12/13	NK54 AXV	1030 19000

Part A - Customer Details and Waste Description

Customer Name

Thompsons WILLMOTT DIXON

Site Address

Hebburn HEBBURN WWB

HEBBURN

NON HAZARDOUS

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	✓
Soil & Stones	170504	43.12		Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: Peter Dickinson Signature: P.Dickinson

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: T. Hall

Print Name: W. Hall Date of Transfer: 09-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

Duty of Care | Waste Transfer Note No: 020984

Thompsons of Prudhoe Ltd.

Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Date	Vehicle Reg.	Time
9/12/13	KY12VGJ	11:58 18 TONNE

Part A - Customer Details and Waste Description

Customer Name WILLMOTT DIXON

Address HEBBURN TOWN CENTRE (HUB)

HEBBURN

GLEN STREET NON HAZARDOUS.

Waste Description	EWC Code	SIC Code	✓	Waste Description	EWC Code	SIC Code	✓
Mixed Con/Dem	170904	43.11		Topsoil	170504	43.12	✓
Soil & Stones	170504	43.12		Subsoil	170504	43.12	
Concrete	170101	43.11		Timber	170201	43.11	
Bricks	170102	43.11		Garden	200202		

Other (Including EWC/SIC Code)

Part B - Current Holder of the Waste - The Transferor Tick if same as above ✓

Name, Address & Postcode

Part C - Person Collecting the Waste - The Transferee

Company Name & Address: **Thompsons of Prudhoe Ltd, Princess Way, Low Prudhoe, NE42 6PL.**

Waste Carriers No: **CB/GP3617RG**

Drivers Name: B. THOMPSON Signature:

Part D - The Transfer

By signing in **Part D** below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Transferors/Customer Signature: I. Hall

Print Name: IAN HARKER Date of Transfer: 09-12-13

Address of Transfer: Weighbridge Signature:

Date of Transfer: Permit No:

White: Office Copy Blue: Haulier Copy Pink: Customer Copy

The Hazardous Waste Regulations 2005: Consignment Note

Thompsons of Prudhoe

PRODUCER'S/HOLDER'S/CONSIGNOR'S COPY (Delete as appropriate)

PART A Notification details

1 Consignment note code: D I N 4 6 3 / 0 0 0 0 1

2 The waste described below is to be removed from (name, address, postcode, telephone, e-mail, facsimile): Hebburn Hub, Hebburn, South Tyneside NE31 1NL

3 Premises code (where applicable): D I N 4 6 3

4 The waste will be taken to (name, address and postcode): Impetus Waste Management, Teesport No 3, Grangetown Middlesbrough TS6 6RH

5 The waste producer was (if different from 2) (name, address, postcode, telephone, e-mail, facsimile):

PART B Description of the waste

If continuation sheet used, tick here ☐

1 The process giving rise to the waste(s) was:

2 SIC for the process giving rise to the waste: . /

3 WASTE DETAILS (where more than one waste type is collected all of the information given below must be completed for each EWC identified)

Description of waste	List of wastes (EWC code)(6 digits)	Quantity (kg)	The chemical/biological components of the waste and their concentrations are:		Physical form (gas, liquid, solid, powder, sludge or mixed)	Hazard code(s)	Container type, number and size
			Component	Concentration (% or mg/kg)			
asbestos soils	1 7 0 5 0 3	13850	Asbestos	2-1%	Solid	HP7	

The information given below is to be completed for each EWC identified

EWC code	Packing group(s)	UN identification number(s)	Proper shipping name(s)	UN class(es)	Special handling requirements
1 7 0 6 0 5	III	2590	White asbestos	9	

PART C Carrier's certificate

(If more than one carrier is used, please attach schedule for subsequent carriers. If a schedule of carriers is attached tick here. ☐)

I certify that I today collected the consignment and that the details in A2, A4 and B3 are correct and I have been advised of any specific handling requirements.

1 Driver name: A Bell

On behalf of (name, address, postcode, telephone, e-mail, facsimile):
Thompsons of Prudhoe Prince's Way Low Prudhoe Northumberland NE42 6PL

2 Carrier registration no./reason for exemption: CBDP36176

3 Vehicle registration no. (or mode of transport, if not road): NK59AOX

Driver Signature A Bell

Date D D M M Y Y Y Y Time H H M M

PART D Consignor's certificate

I certify that the information in A, B and C above is correct, that the carrier is registered or exempt and was advised of the appropriate precautionary measures. All of the waste is packaged and labelled correctly and the carrier has been advised of any special handling requirements.

I confirm that I have fulfilled my duty to apply the Waste Hierarchy as required by Regulation 12 of the Waste Regulations 2011 (England and Wales).

1 Consignor name: W. Watson

On behalf of (name, address, postcode, telephone, e-mail, facsimile):

AS ABOVE

Signature

Date D D M M Y Y Y Y Time H H M M

PART E Consignee's certificate (where more than one waste type is collected all of the information given below must be completed for each EWC)

Individual EWC code(s) received	Quantity of each EWC code received (kg)	EWC code accepted/rejected	Waste management operation (R or D code)

1 I received this waste at the address given in A4 on Date D D M M Y Y Y Y Time H H M M

2 Vehicle registration no. (or mode of transport if not road):

Name:
On behalf of (Name, address, postcode, telephone, e-mail, facsimile):

3 Where waste is rejected please provide details:

I certify that waste management licence/permit/authorised exemption no(s).

authorises the management of the waste described in B at the address given in A4.

Signature

Date D D M M Y Y Y Y Time H H M M

Transfer note	Date	Weight	Classification	Description	
20990	11/12/2013	18	Non-Haz	170504[A]	Soil and stones[A]
20989	11/12/2013	18	Non-Haz	170504	Soil and stones
6225	11/12/2013	17.5	Non-Haz	170504	Soil and stones
20121[C]	11/12/2013	20.02	Non-Haz	170504	Soil and stones
7292	11/12/2013	19.54	Non-Haz	170504	Soil and stones
20331	11/12/2013	18	Non-Haz	170504	Soil and stones
14528	11/12/2013	18	Non-Haz	170504[A]	Soil and stones[A]
6673	11/12/2013	18	Non-Haz	170504	Soil and stones
6568	11/12/2013	18	Non-Haz	170504	Soil and stones
7290	11/12/2013	19.92	Non-Haz	170504	Soil and stones
7291	11/12/2013	19.88	Non-Haz	170504	Soil and stones
20330	11/12/2013	18.5	Non-Haz	170504	Soil and stones
20119	11/12/2013	20.84	Non-Haz	170504	Soil and stones
21738	11/12/2013	20	Non-Haz	170504	Soil and stones
20120	11/12/2013	20	Non-Haz	170504	Soil and stones
20432	10/12/2013	19	Non-Haz	170504	Soil and stones
20988	10/12/2013	18	Non-Haz	170504	Soil and stones
20118	10/12/2013	20	Non-Haz	170504	Soil and stones
6566	10/12/2013	19	Non-Haz	170504	Subsoil
20985	10/12/2013	19	Non-Haz	170504[A]	Soil and stones[A]
20037	10/12/2013	19	Non-Haz	170504	Topsoil
7285	10/12/2013	19	Non-Haz	170504	Soil and stones
20039	10/12/2013	19	Non-Haz	170504	Subsoil
20116	10/12/2013	19	Non-Haz	170504	Soil and stones
6567	10/12/2013	19	Non-Haz	170504	Subsoil
20040	10/12/2013	19	Non-Haz	170504	Subsoil
6223	10/12/2013	17.5	Non-Haz	170504	Soil and stones
20986	10/12/2013	19	Non-Haz	170504[A]	Soil and stones[A]
7286	10/12/2013	19.98	Non-Haz	170504	Soil and stones
20036	10/12/2013	18	Non-Haz	170504	Subsoil
6662	09/12/2013	18	Non-Haz	170504	Topsoil
6663	09/12/2013	19	Non-Haz	170504	Topsoil
20984	09/12/2013	18	Non-Haz	170504	Topsoil

Notes

A	Information confirmed by Willmott Dixon
B	Willmott Dixon confirmed the location of waste disposal
C	Number is assumed - transfer note is folded slightly on the coner and the last

Destination	Carrier
Path Head[B]	Thompsons
Path Head[B]	Thompsons
Path Head[B]	Thompsons
Niramax	Thompsons
Path Head	Thompsons
Path Head[B]	Thompsons
Path Head[B]	Thompsons
Path Head[B]	Thompsons
Path Head[B]	Thompsons
Path Head	Thompsons
Path Head	Thompsons
Path Head[B]	Thompsons
Niramax	Thompsons
Path Head[B]	Thompsons
Niramax	Thompsons
Path Head[B]	Thompsons
Path Head[B]	Thompsons
Blaydon	Thompsons
Path Head[B]	Thompsons
Path Head[B]	Thompsons
Path Head[B]	Thompsons
Niramax	Thompsons
Path Head[B]	Thompsons
Niramax	Thompsons
Path Head[B]	Thompsons
Path Head[B]	Thompsons
Path Head[B]	Thompsons
Path Head[B]	Thompsons
Niramax	Thompsons
Path Head[B]	Thompsons
Path Head[B]	Thompsons
Path Head[B]	Thompsons
Path Head[B]	Thompsons

didget cannot be confirmed

Environment Agency

CERTIFICATE OF REGISTRATION UNDER THE WASTE (ENGLAND AND WALES) REGULATIONS 2011

Regulation Authority

Name:	Environment Agency
Address	National Customer Contact Centre 99 Parkway Avenue Sheffield S9 4WF
Tel: 03708 506 506	Fax: 0114 2626697

The Environment Agency certify that the following information is entered in the register which they maintain under regulation 28 of the Waste (England and Wales) Regulations 2011:-

Name(s) of registered carrier:	THOMPSONS OF PRUDHOE LTD
Registered as an:	Upper Tier Carrier Dealer
Registration number:	CB/GP3617RG
Business name (if any):	W & M Thompsons
Address of principal place of business:	PRINCESS WAY, PRUDHOE, NORTHUMBERLAND, NE42 6PL
Tel: 01661832422	Fax: 01661833687
Date of registration:	02/04/2013
Date of expiry of registration (unless revoked):	01/04/2016

Signature of authorised officer of the regulation authority:

Date: 06/02/2013

221021

APPENDIX D

MUGA area (photographs and aggregate delivery notes)


AFI
O-K


26.01.2015 09:45


26.01.2015 09:45

ORDER No.	QTY ORDERED	QTY TO DATE	DISPATCH	DELIVERY	TICKET No./WT No.
2000338003	100.00	57.86	02.03.2015 07:24:00	02.03.2015	[illegible]

MATERIAL	SOURCE OF SUPPLY/AGGREGATE TYPE
Material Code : TYPE 1X REDUCED FINES SUB-BASE BS EN 13242	

LOAD NUMBER	HAULIER CARRIER	DRIVER	VEHICLE REG No.	TYPE	HAULIER A/C No.	MILEAGE
	TEWARD BROS LTD	TEWARD	HX64TYY	T8	[illegible]	[illegible]

WASTE CARRIER LICENCE No.	ISSUED BY	SIGNED FOR ABOVE COMPANY		WEIGHT/Q
			GROSS	[illegible]
			TARE	[illegible]
			NET	[illegible]

COMMENTS

UK_CSIMPSO 120230 07841688276 rose street

	On site	Off site	WAITING TIMES AGREED	CASH SALES
Waiting time			Signature	£
			✘	

Please ensure you wear the correct PPE at all times and adhere to local site rules. Whilst tipping remain in your cab with your seatbelt fastened. Please return this POD within 24hrs

Waiting time In accordance with our conditions of sale, a charge for excessive waiting time may be made.

Hard Road Instructions This vehicle may leave the hard road on your instruction and at the driver's discretion, providing you accept responsibility for damage to your own or any third party's property or personnel

Customer Agreed________________________________**Signature** **Cash/Cheque received by**________________________________**Driver's initials**

GOODS

VAT

TOTAL

LOAD RECEIVED ON BEHALF OF CUSTOMER / WASTE HOLDER	Signature ✘	Print name ✘

PAY HAULIER SMALL LOAD (YES OR NO)	DATE AND TIME RETURNED	ESTIMATE OF RETURNED MATERIAL	SIGNED BY WEIGHBRIDGE CLERK

QAF001

ORDER No.	QTY ORDERED	QTY TO DATE	DISPATCH	DELIVERY	TICKET No./WT No.
2000334003	100.00	19.44	02.03.2015 07:07:52	02.03.2015	[illegible]

MATERIAL	SOURCE OF SUPPLY/AGGREGATE TYPE
Material Code : TYPE 1X REDUCED FINES SUB-BASE BS EN 13242	

LOAD NUMBER	HAULIER CARRIER	DRIVER	VEHICLE REG No.	TYPE	HAULIER A/C No.	MILEAG
	TEWARD BROS LTD	TEWARDS	ND63HVA	T8	25249	[illegible]

WASTE CARRIER LICENCE No.	ISSUED BY	SIGNED FOR ABOVE COMPANY	WEIGHT/Q
			GROSS [illegible]
			TARE [illegible]
			NET [illegible]

COMMENTS

UK_CSIMPSO 120230 07841685276 rose street

	On site	Off site	WAITING TIMES AGREED	CASH SALES
Waiting time			Signature	£
			✗	

Please ensure you wear the correct PPE at all times and adhere to local site rules. Whilst tipping remain in your cab with your seatbelt fastened. Please return this POD within 24hrs

Waiting time In accordance with our conditions of sale, a charge for excessive waiting time may be made.

Hard Road Instructions This vehicle may leave the hard road on your instruction and at the driver's discretion, providing you accept responsibility for damage to your own or any third party's property or personnel

Customer Agreed________________________________**Signature** **Cash/Cheque received by**________________________________**Driver's initials**

GOODS

VAT

TOTAL

LOAD RECEIVED ON BEHALF OF CUSTOMER / WASTE HOLDER	Signature ✗	Print name ✗

PAY HAULIER SMALL LOAD (YES OR NO)	DATE AND TIME RETURNED	ESTIMATE OF RETURNED MATERIAL	SIGNED BY WEIGHBRIDGE CLERK

QAF001

ORDER No.	QTY ORDERED	QTTE	DISPATCH	DELIVERY	TICKET No./WT No.
2000337757	140.00	39	04.03.2015 09:30:13	04.03.2015	[illegible]

MATERIAL	SOURCE OF SUPPLY/AGGREGATE TYPE
Material Code : TYPE 1X REDUCED FINES SUB-BASE BS EN 13242	

LOAD NUMBER	HAULIER CARRIER	DRIVE	VEHICLE REG No.	TYPE	HAULIER A/C No.	MILEAGE
	R & R HANDS ROAD TRANSPORT	COLLI	KM64NMZ	T8	250083	0000022

WASTE CARRIER LICENCE No.	ISSUED BY	SIGNED FOR ABOVE CO		WEIGHT/QTY
			GROSS	31.960
			TARE	12.170
			NET	19.790

COMMENTS # UK_CSIMP50 120142 07841[illegible]276 street

	On site	Off site	Si
Waiting time			

WAITING TIMES AGREED

CASH SALES £ P

Please ensure you wear the correct PPE at all times and adhere to local site rules. Whilst tipping remain in your seatbelt fastened. Please return this POD within 24hrs

Waiting time In accordance with our conditions of sale, a charge for excessive waiting time m

Hard Road Instructions This vehicle may leave the hard road on your instruction and at the driver's discr[illegible]g you accept responsibility for damage to your own or any third party's property or personnel

Customer Agreed_____**Signature** **Cash/Cheque r[illegible]**_____**Driver's initials**

GOODS

VAT

TOTAL

LOAD RECEIVED ON BEHALF OF CUSTOMER / WASTE HOLDER	Signature ✘	name

PAY HAULIER SMALL LOAD (YES OR NO)	DATE AND TIME RETURNED	[illegible]STIMATE OF RETURNED MATERIAL	SIGNED BY WEIGHBRIDGE CLERK

QAF001

ORDER No.	QTY ORDERED	QTY TO DATE	DISPATCH	DELIVERY	TICKET No./WT No
2000337757	140.00	79.72	04.03.2015 14:03:05	04.03.2015	

MATERIAL	SOURCE OF SUPPLY/AGGREGATE TYPE
Material Code : TYPE 1X REDUCED FINES SUB-BASE BS EN 13242	

LOAD NUMBER	HAULIER CARRIER	DRIVER	VEHICLE REG No.	TYPE	HAULIER A/C No.	MILEAC
	R & R HANDS ROAD TRANSPORT	R & R HANDS ROAD TRANSPORT	KM63	T8		

WASTE CARRIER LICENCE No.	ISSUED BY	SIGNED FOR ABOVE COMPANY	WEIGHT/C
			GROSS 31.980 TARE 11.800 NET 20.080

COMMENTS

UK_CSIMPSO 12014 07841699276 rose street

	On site	Off site	WAITING TIMES AGREED	CASH SALES
Waiting time			Signature	£
			✘	

Please ensure you wear the correct PPE at all times and adhere to local site rules. Whilst tipping remain in your cab with your seatbelt fastened. Please return this POD within 24hrs

Waiting time In accordance with our conditions of sale, a charge for excessive waiting time may be made.

Hard Road Instructions This vehicle may leave the hard road on your instruction and at the driver's discretion, providing you accept responsibility for damage to your own or any third party's property or personnel

Customer Agreed_____**Signature** **Cash/Cheque received by**_____**Driver's initials**

GOODS

VAT

TOTAL

LOAD RECEIVED ON BEHALF OF CUSTOMER / WASTE HOLDER	Signature	Print name
	✘	✘

PAY HAULIER SMALL LOAD (YES OR NO)	DATE AND TIME RETURNED	ESTIMATE OF RETURNED MATERIAL	SIGNED BY WEIGHBRIDGE CLERK

QAF001

ORDER No.	QTY ORDERED	QTY TO DATE	DISPATCH	DELIVERY	TICKET No./WT No.
2000338003	100.00	96.72	02.03.2015 11:37:03	02.03.2015	

MATERIAL	SOURCE OF SUPPLY/AGGREGATE TYPE
Material Code : TYPE 1X REDUCED FINES SUB-BASE BS EN 13242	

LOAD NUMBER	HAULIER CARRIER	DRIVER	VEHICLE REG No.	TYPE	HAULIER A/C No.	MILEAG
	TELWORD BROS LTD	TELWORD	HX64TYY	TB	25263	

WASTE CARRIER LICENCE No.	ISSUED BY	SIGNED FOR ABOVE COMPANY		WEIGHT/C
			GROSS	32.900
			TARE	13.940
			NET	18.960

COMMENTS

UK_CSIMP50_130230 07841688276 rose street

	On site	Off site	WAITING TIMES AGREED	CASH SALES £
Waiting time			Signature	
			✘	

Please ensure you wear the correct PPE at all times and adhere to local site rules. Whilst tipping remain in your cab with your seatbelt fastened. Please return this POD within 24hrs

Waiting time In accordance with our conditions of sale, a charge for excessive waiting time may be made.

Hard Road Instructions This vehicle may leave the hard road on your instruction and at the driver's discretion, providing you accept responsibility for damage to your own or any third party's property or personnel

Customer Agreed_____**Signature** **Cash/Cheque received by**_____**Driver's initials**

GOODS

VAT

TOTAL

LOAD RECEIVED ON BEHALF OF CUSTOMER / WASTE HOLDER	Signature ✘	Print name ✘

PAY HAULIER SMALL LOAD (YES OR NO)	DATE AND TIME RETURNED	ESTIMATE OF RETURNED MATERIAL	SIGNED BY WEIGHBRIDGE CLERK

QAF001

Multi-Use Game Area (MUGA) - completed