Sandy Town Council

To: Cllrs N Aldis (Chairman), J Ali, T Cole, A M Hill, W Jackson, G Leach, M Pettitt, C Osborne, M Scott, P Sharman, S Sutton

You are hereby summoned to attend a meeting of the Community Services and Environment Committee of Sandy Town Council to be held in the Council Chamber at 10, Cambridge Road, Sandy, Bedfordshire on Monday 1 June 2015 commencing at 7.30 pm

Carol Baker-Smith
Administration Team Leader
10 Cambridge Road
Sandy, SG19 1JE
01767 681491
26 May 2015

A G E N D A

1 **Apologies for absence**

2 **Declarations of interest**

Under the Localism Act 2011 members of Council are not required to make oral declarations of interest at meetings but may not participate in discussion or voting on any items of business in which they have a Declarable Pecuniary Interest (DPI) and under Sandy Town Council's Standing Orders must leave the room for the duration of all discussion on such items. (All members' register of interests are available on the Sandy Town Council website or on application to the Clerk.)
This item is included on the agenda to enable members to declare new DPIs and also ***those who wish to do so*** *may draw attention to their stated DPIs and also any non-declarable personal interests which they have declared under Sandy Town Council's adopted Code of Conduct and which may be relevant to items on the agenda.*

i) Disclosable Pecuniary Interests
ii) Non-disclosable Interests
iii) Dispensations

3 **Minutes of previous meeting** Previously circulated

To consider the minutes of the Community Services and Environment Committee held on Monday 9 March 2015 and to approve them as a correct record of proceedings.

4 **Public Participation Session**

Up to 15 minutes is allowed for the Public to ask questions or make statements about items on the Agenda. At the discretion of the Chairman speakers may be allowed to participate immediately before the agenda item. However once the question or statement has been made there is no further opportunity to enter into dialogue with the committee members.

Sandy Town Council

5 **Allotments** √
To receive and consider a report from Central Beds Council regarding the proposed allotment site.

6 **Engayne Avenue Estate** √
To receive a report from Cllrs Ali and Aldis about severe parking and other problems in the area.

7 **Berwick Way Amenity Area** √
To receive and note the date for the meeting with the Developer's representative to discuss the adoption of the amenity area between Berwick Way and Winchester Road.

8 **Cemetery Project Update**
To receive a verbal report from the Chairman of the Cemetery Working Group on progress with this project.

9 **Terms of Reference for the Beeston Green Working Group** √
Cllrs M Scott, M Hill and Cllr Tracey Stock form the Working Group to take the Beeston Green Project forward.

10 **Sandy Carnival Rubbish Collection** √
To consider an email request from the Chair of the Carnival Committee.

11 **Bus Turning Circle** √
To be informed about the revised arrangements for bus services in Sandy and to consider campaigning for a suitable turning circle near Quince Court.

12 **Report from the Sandy Enhancement Group** √
To receive and consider report from the Sandy Enhancement Group.

13 **Bedford Road Recreation Ground Public Conveniences** √
To consider alternative fittings in the public conveniences to reduce the possibilities of vandalism.

14 **Sandy Train Station** √
To consider a proposal from a resident to re-open the toilets at Sandy Station.

15 **Bus Shelter in Fallowfield Estate for Sandye Place Academy Pupils** √
To consider a proposal regarding a bus shelter being sited in Fallowfield.

Sandy Town Council

16 **Community Events** √

To receive and consider requests for community events held on Council owned land.

Sandy Town Council

Community Services and Environment Committee Monday 1 June 2015

R E P O R T S

5 **Allotments**

The detailed report from Central Beds Council's consulting engineers is attached. The Summary and Recommendations are that soil contamination in terms of risks to human health and plant life were not present in any of the samples tested. However, should water supply pipes be installed at the site, they may need to be upgraded to be resistant to permeation by hydrocarbons. The suitability of the proposed water supply pipework material should be checked with the local water supply company whose process of design can take precedence over the recommendations of this report.

Central Beds Council would like to know the exact area in which the Town Council requires the allotments to be sited to enable them to advise the current tenant accordingly (map attached). They estimate that the tenant will need three months' notice of termination to quit on one of the quarter days.

Members are asked to note the report and decide any actions which need to be taken at this time.

6 **Engayne Avenue Estate**

Members will recall that traffic congestion in the area of Winchester Road, College Road and roads off have a source of concern for many years. The lack of suitable parking spaces has led to neighbour disputes over spaces and also about the disfigurement of grassed amenity areas by vehicles being driven over them to park nearer to the owner's residence.

Pinnacle ward members Cllrs Ali and Aldis have been talking to local residents about their wishes for the area like additional parking spaces in "courts", removal of the raised beds where these have become unsightly and possibly a traffic management plan. This work is ongoing.

Aragon Housing Association are the major supplier of low cost homes on the estate but there are other minor RSLs. Central Bedfordshire Highways and CBC ward members also need to be involved in any discussions.

Members are asked to note the report and decide if they wish to work with partners to find some solution to the problems.

Sandy Town Council

7 **Berwick Way Amenity Area**
A meeting has been arranged for Thursday 4th June 2015 at the Berwick Way Amenity Area to hear proposals from the developers prior to the possible adoption of the site.

Members are asked to note the date and confirm the names of councillors who will be attending the site visit.

8 **Cemetery Project Update**
To receive a verbal report from the Chairman of the Working Group on the planning application for the cemetery extension and to note the positive comments which have appeared on social media about the resurfacing work in the existing cemetery.

Members are asked to note the report and comment on the progress of the project and to confirm the next steps to be taken.

9 **Terms of Reference for the Beeston Green Working Group**
The Beeston Green area has for a very long time been a contentious area with successive Clerks trying to resolve some of the issues. Members will be aware that the Green is an area of "Common Land" for which the Town Council has a responsibility as the "Lord of the Manor". Various residents in the area have "grazing rights" and many are very keen to retain this ancient privilege although not having livestock at present. The Green itself is the area from the watercourse in the west to the boundary of the front gardens of houses in the east with road running north-south bisecting it.

The issues to be resolved include:

- Parking of cars on the Green.
- Horse riding
- Metal detecting
- Maintenance of the trees
- Maintenance of permitted routes across the Green

Members are asked to discuss and agree the Terms of Reference for this project, comment on the report and to decide if additional areas of concern should be included.

10 **Sandy Carnival Rubbish Collection**
An email has been received from Hayley Stewart, Chairman of the Sandy Carnival Committee.

"Good Morning

During a recent carnival meeting the collection of rubbish generated on the field was raised. For the last several years the sacks have been

transported to the Biggleswade tidy tip in the back of committee members' cars and I've been asked to approach the Council to see if you would be able to help in some way.

A skip on the premises would be ideal however these are quite expensive, we've priced a 3 cubic yard one at £165 plus vat for a total of £198 but I'm aware we've missed the deadline so this may not be possible. I'm not fully sure what facilities the Council has access to but perhaps some help with disposing of the rubbish would be possible.

We would be grateful for any assistance you feel able to provide. I look forward to hearing from you.

Yours faithfully
Hayley Stewart
Chair – Carnival Committee"

Members are asked to consider this request and to decide if they can support the Carnival by collecting and disposing of the rubbish in the Stratford Road Depot skip.

11 **Bus Turning Circle**

From Monday 25th May 2015 the Stagecoach 73 bus service ceased to operate via Engayne Avenue. This was because their insurers said that they would not be covering the Company for any accident which occurred when the bus was reversing with passengers on board on the public highway. This change in route has also prompted the company to make other changes purely for business reasons.

The 73 service will now call at the roundabout between Fallowfield and Ivel Park and also at the railway station and the Tesco store. Services will then return to the Market Square and Bedford Road for the Biggleswade service. The Bedford bus will travel down St Neots Road and turn left into West Road.

From Tuesday 26th May 2015 the new 83 service started operating around the Town. It too calls at the station and Tesco but after travelling through the Market Square turns right at the town centre roundabout and along Sunderland Road stopping at the east end of Merlin Drive to serve the Fallow Field Estate.

The service then continues around Georgetown Road stopping at the two roundabouts served by the Stagecoach service and into St Neots Road via the A1. However it will serve Engayne Avenue as it is a smaller vehicle turning around in front of the flats near the zebra crossing. The bus stop is in the small lay-by between the zebra crossing

and Waverley Avenue so the existing shelter outside Quince Court will be redundant.

From Engayne Avenue the 83 service travels down St Neots Road, West Road, London Road, the A1 and Bedford Road back to the Market Square.

This new service only operates during the school day and on Saturday mornings. It does not run at all on Sundays and Bank Holidays. As the first service is not until after 9am it will make life very difficult for the elderly and disabled to get to Bedford Hospital for an early appointment. For many walking to West Road to board the 73 service is not an option. Central Bedfordshire Council is paying £83,000 for this arrangement initially for 7 months or longer if it proves popular and generates income. This will give the Town Council as representatives of the residents to campaign for a suitable turning area for the larger Stagecoach buses to use in Engayne Avenue.

Members are asked to consider this report and decide:

a) If they want to pay for the bus shelter outside Quince Court to be moved to the new stop and/or

b) To campaign for a turning circle to be constructed in a suitable location as soon as possible so that the 73 bus can return to its original route.

12 **Report from the Sandy Enhancement Group**

Members will recall that in order to save staff time and resources the Town Council would no longer sponsor the Group by allowing it to hold meetings in the Chamber which were facilitated by a paid member of staff. The Group is now independent of the Council but continues to play a role in the Sandy Community.

Cllr Nigel Aldis the Chair of the Sandy Enhancement Group reports that although the committee size is small it is engaged in a number of projects around the Town. These have included in the "International Year of the Sunflower" seeds being given to the lower and middle schools for pupils to plant in a suitable location on the school site. These are not the giant varieties which can be over 3 metres tall but the field variety which are grown to provide bird food.

Members of the Sandy Youth Club have planted sunflower seeds at the entrance to the Town on the Potton Road in the Jubilee Triangle. A good number are sprouting and will need thinning out.

In conjunction with Manor Concepts and with the generous support of the Willington Home & Garden Nursery a rose bed has been planted in

the piece of land on Sunderland Road owned by the refrigerator company. Originally this project was part of the BID to enhance the appearance of the estate but it has been completed although the BID is not proceeding at this time. Manor Concept staff will water the beds and as there is a generous covering of bark weeds should not be a problem. Later in the year it should make a very attractive contribution to the area.

SEG has also worked in conjunction with Seetec to clear and plant a strip of highway land in Station Road between the Puffers and Willow Rise.

This summer will also see the return of the Best Kept Competition for Front Garden, Floral Display, Pub/Restaurant and Shop Front. It is hoped that the Seddington Allotments can also be included in some way. Thanks to the support of Kelly Byrne, the Community Manager at Sandy Tesco the Group meets in the staff canteen at the store and is actively seeking new members to join their ranks to serve on the committee, take part in projects or be judges in the Best Kept Competitions.

Members are asked to note this report and comment if they wish.

13 **Bedford Road Recreation Ground Public Conveniences**
After the recent spate of vandalism, alternative fittings need to be looked at i.e. different taps that cannot be left on and only give out sprays rather than jets and different dispensers for toilet paper.

Members are asked to agree on a suitable way forward.

14 **Sandy Train Station**
An email from Marc Webber is attached for information.

Members are asked to decide if they wish to sign the petition and support the petition to encourage as many residents as possible to sign it.

15 **Bus Shelter in Fallowfield Estate for Sandye Place Academy Pupils**
There is funding available from Central Beds Council for a bus shelter to be sited and they are supportive of the idea; however they ask that Sandy Town Council maintain the bus shelter once installed.

Members are asked to consider whether the Town Council would agree to maintain the shelter.

Sandy Town Council

16 **Community Events**

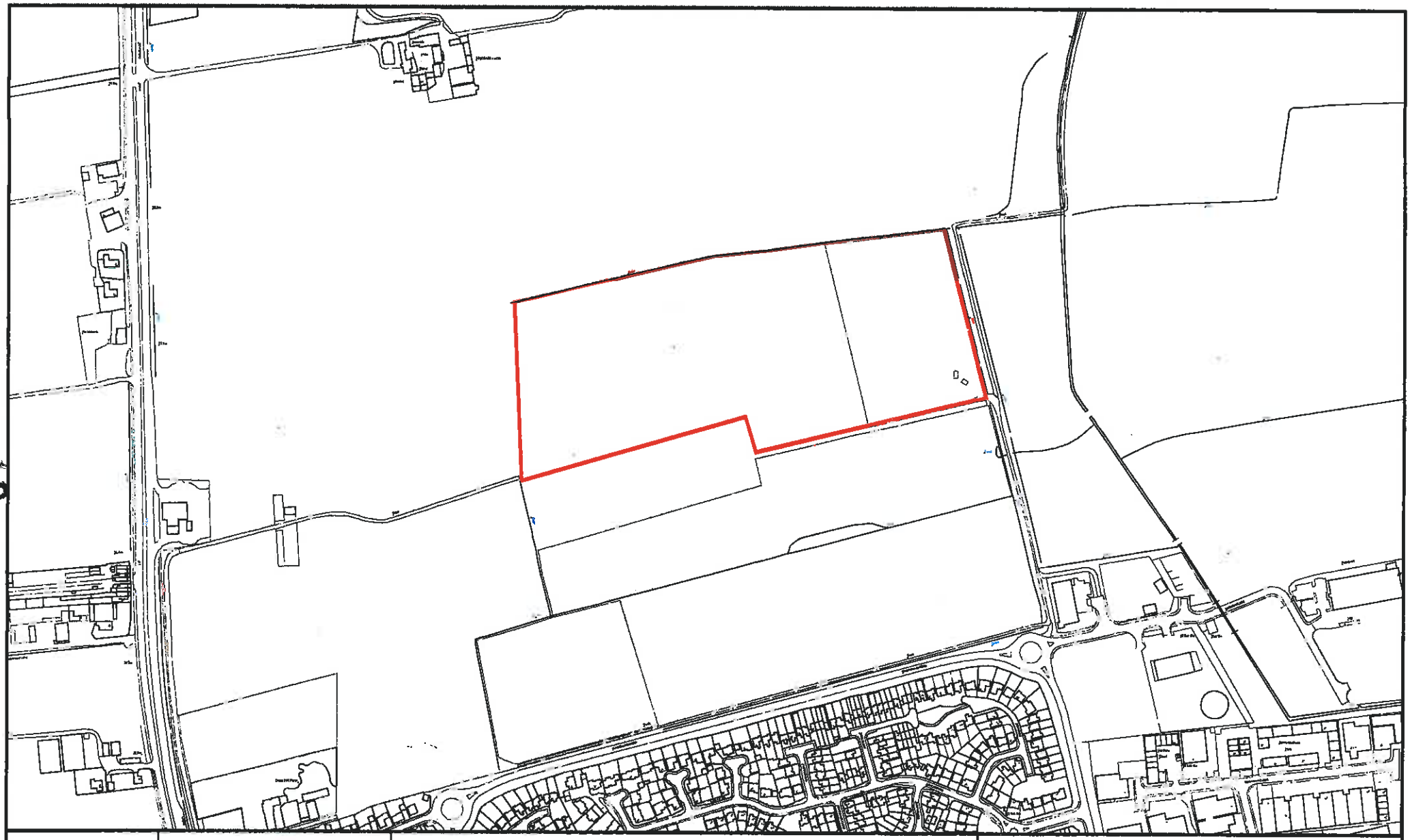
Details attached:

(a) Sandy Astro – Sunday 21 June 2015- Sunderland Road

(b) Sandy Community Church – Saturday 8 August 2015 – Bedford Road

(c) Triumph Wellbeing – weekly Friday morning sessions –Bedford Road

Members are asked to consider requests from three community groups to hold community events on Council owned land:



Date: 16 April 2015

Scale 1:6000

Proposed Allotment Site
North of Sunderland Road, Sandy

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Central Bedfordshire

1b

Item 5

MLM

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MLM Environmental

MLM Consulting Engineers Ltd
Building 7200, Cambridge Research Park, Cambridge CB25 9TL

Main Tel: 01223 632800
Main Fax: 01223 815630

Our Ref: 772245-REP-ENV-001
25 March 2015

André Douglas
Public Protection Officer,
Central Bedfordshire Council,
Priory House,
Monks Walk,
Shefford,
Bedfordshire
SG17 5TQ

Dear André,

Re: Sunderland Road Tip, Sandy - Contaminated Land Assessment

Further to your instruction, we are pleased to provide the results of the contaminated land assessment at the above site.

Background

This report has been prepared by MLM Consulting Engineers Limited (MLMCEL) on the instructions of Central Bedfordshire Council (CBC). It presents the results of a ground investigation and contamination assessment for the proposed redevelopment of the land to the north of Sunderland Road, Sandy to provide new allotments.

The investigation and assessment will be used to determine the potential risk to the proposed development from near surface soil contamination only. The terms of reference for the work were set out in the MLMCEL proposal 772245-FEE-ENV-002 dated 14 August 2014.

The 8.5 hectares site is located to the north of Sunderland Road in Sandy, Bedfordshire. It is approximately rectangular in shape and is currently comprises open agricultural land with grass surfacing. It is bordered to the east by a former landfill site which is fenced off and raised up by approximately 2 metres. In all other directions there is open agricultural land. A drainage ditch and sporadic trees are present along the southern boundary. The surface of the site is generally flat but slopes very slightly down towards the southeast.

The National Grid Reference for the approximate centre of the site is 517016, 251183.

It is understood that the former landfill to the east of the site covered two hectares and mixed waste (industrial, commercial and household) was deposited in the 1970's. Prior to tipping, the topsoil was removed and waste deposited to approximately two metres before re-spreading of the topsoil over the top of the waste.

Published geological maps show the site to be underlain by Oxford Clay Formation deposits.

The Environment Agency (EA) website provides hydrological information for the site. It shows that the site is not within a Groundwater Source Protection Zone. The strata underlying the site is classified by the EA as Unproductive Strata.

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Field Work

Trial pits were excavated by hand at eleven locations (HP01 to HP11) on 19 February 2015. The locations were set out by an MLM engineer in a pattern covering the boundary of the proposed allotments and which was agreed with CBC prior to the investigation taking place.

Drawing 772245-DWG-ENV-001 shows the locations of the exploratory holes.

Each exploratory hole location was checked for the absence of underground services using a Cable Detector and Ground Probing Radar (GPR) in consultation with site utilities plans. The pits were hand dug to depths of between 0.98m and 1.10m below ground level (bgl). The soils were logged by a geo-environmental engineer and contamination samples were recovered in plastic tubs and glass jars at various depths within each hole.

On completion, all pits were backfilled with arisings layered in the reverse order from they were excavated.

The exploratory hole logs are presented in Appendix A.

Ground and Groundwater Conditions

The following includes interpretation of the field data in terms of ground and groundwater conditions encountered at the site.

The following general strata sequence was encountered across the site.

Table 1 Generalised Strata Sequence

Stratum	Depth range (m bgl)		Proven Thickness range (m)
	Top	Base	
Made Ground	GL	0.30 – 0.85	0.30 – 0.85
Oxford Clay	0.30 – 0.85	0.98 – 1.10*	0.20 – 0.75*

* Base of stratum not proven in all holes

The findings of the site investigation generally match the published geology for the area.

Made Ground

Made ground was present in all the exploratory holes boreholes and comprised soft to firm, silty, sandy, gravelly CLAY containing occasional and rare, fine to coarse sized fragments of brick and charcoal.

Oxford Clay

Underlying the Made Ground in all exploratory holes was firm to stiff orange brown mottled grey and brown slightly sandy, slightly gravelly CLAY considered to represent the Oxford Clay. All of the hand dug pits were terminated within these soils.

Groundwater Conditions

Groundwater seepages were encountered during the fieldwork in hand pits HP01, HP05, HP07, HP09, HP10 and HP11, at depths ranging from 0.80m to 1.00m bgl.

The groundwater is considered to be perched water rather than being representative of the groundwater table.

Assessment of Soil Chemical Data

The following laboratory analysis was scheduled on soil samples recovered from the exploratory holes:

Table 2 Summary of Contamination Analysis - Soil

Test	No.
MLM standard suite: metals (As, Cd, Cr, Cu, Ni, Zn, Pb, Hg, Se), speciated polycyclic aromatic hydrocarbons (PAH USEPA16), petroleum hydrocarbons (TPHCWG AA-splits), total cyanide, total phenols, sulphur, water soluble sulphate and pH	6
Soil Organic Matter	6
Asbestos	6

Contamination analysis was undertaken by a UKAS-accredited laboratory and the results are presented in Appendix B.

A generic quantitative risk assessment (GQRA) has been undertaken to identify potential sources of contamination for further evaluation in the Contaminated Land Risk Assessment section of this report. GQRA involves a comparison of chemical laboratory test results to soil screening levels that are considered to be appropriate to the context of the intended site use.

Soil screening values used in this human health risk assessment have been drawn from the following publications:

- Suitable for Use Levels (S4ULs) were published in 2015 by Land Quality Management Ltd (LQM) and the Chartered Institute of Environmental Health (CIEH). S4ULs are based on the principles of 'minimal' or 'tolerable' risk and are therefore sufficiently conservative for GQRAs under the planning regime, which need only demonstrate that new development is 'safe' and 'suitable for use'. By reproducing these S4ULs, MLMCEL acknowledges "Copyright Land Quality Management Limited reproduced with permission; Publication Number S4UL3184. All rights reserved".
- Category 4 Screening Levels (C4SLs) were published in 2014 by Defra and have been used for lead, which has no S4UL.
- There is no S4UL for cyanide and, in the absence of UK guidance, a Dutch Intervention Value (DIV) of 50mg/kg has been used.
- Generic Assessment Criteria (GAC) were published jointly in 2009 by the Environmental Industries Commission, Association of Geotechnical and Geoenvironmental Specialists and Contaminated Land: Applications in Real Environments (EIC/AGS/CL:AIRE) for a range of organic and inorganic contaminants not covered by S4ULs.

Risks to Human Health

For the purpose of this human health risk assessment, the intended land use scenario of allotments has been used. Samples from across the site were tested for a variety of contaminants. Appropriately sensitive testing methods have been adopted throughout and on this basis, where contaminants are recorded at less than detection limits, they are considered to be 'not present'.

A full list of screening levels used in the assessment is included in Appendix C.

Soil organic matter tests in samples of Made Ground gave values of between 2.4% and 3.6% with a mean of 3.0%, therefore a generic SOM of 2.5% has been used for selecting appropriate screening levels.

None of the measured contaminant concentrations are above screening levels and therefore further assessment of these contaminants in relation to risks to human health is not considered to be necessary.

Asbestos fibres were not identified in any of the samples tested.

Risks to Water Supply

Risks to water supply pipes have been assessed using guidance published by the United Kingdom Water Industry Research Ltd (UKWIR). The guidance provides threshold concentrations above which organic compounds can permeate water supply pipes, impact on their construction and cause a water quality issue for consumers. For the purposes of this assessment it is assumed that polyethylene water supply pipework will be adopted.

One sample from HP01, at 0.30m bgl in the Made Ground, contains Total Polycyclic Aromatic Hydrocarbons (PAH's) at 4.5mg/kg which is above the UKWIR Threshold Level of 2.0mg/kg. All other samples were free from organic compounds above UKWIR Threshold Levels.

Risks to Plant Life

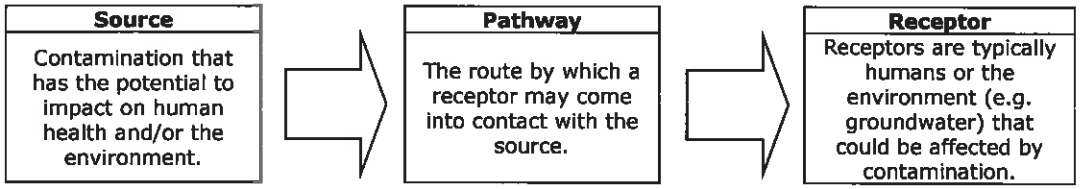
Potential risks to plant life, such as for proposed allotments, are assessed through BS3882:2007. This standard sets out the threshold values in soil above which phytotoxic effects can occur from the metals copper, nickel and zinc.

Recorded concentrations of copper, nickel and zinc in the samples tested are below BS3882:2007 threshold values.

Contaminated Land Risk Assessment and Conceptual Site Model

General Approach

The assessment of risk from contamination follows the source-pathway-receptor (SPR) approach. Each of these elements is described as follows.



Without a source-pathway-receptor linkage in place, it is considered that there is no risk of harm and remediation is unlikely to be required. If, however, there is a linkage between source and receptor then a risk-based approach is used to assess the significance or potential impact of the SPR-linkage to determine if remediation is required.

Such an assessment involves Quantitative Risk Assessment (QRA). The QRA process involves the identification of sources based on site investigation findings (e.g. compound concentration exceeding S4UL) together with identification of the exposure pathway and sensitive receptor. A Conceptual Site Model (CSM) is then developed and presented that shows the possible pollution linkages.

In terms of identifying *significant* pollution linkages (i.e. those that require remediation), a level of risk (ranging from Very Low to Very High) is assigned to each. Where the level of risk is 'Moderate' or greater, then the pollution linkage is considered to be 'significant' and remediation is required. Risk definitions are provided in Appendix D.

Identified Contamination Sources

Based on the GQRA presented in the previous sections, sources of contamination that could impact on receptors have been identified and are summarised in Table 3 below.

Table 3 Identified Sources of Contamination

Receptor type	Source
Water supply pipes	Total PAH's in Made Ground in HP01

Potential Exposure Pathways

Table 4 below presents a review of potential pathways and receptors for the site.

Table 4 Potential Exposure Pathways and Receptors

Receptor	Pathway	Present	Notes	SPR Link
Human Health				
Future site users	Dermal contact, ingestion or inhalation of soil and soil dust	YES	Site users could come into contact with contaminated soil	✘
Adjacent site users	Ingestion/inhalation of windblown dust	NO	No adjacent site users	✘
Construction workers and services maintenance staff	Dermal contact, ingestion or inhalation of soil and soil dust	YES	Construction staff handling soils could come into contact with contamination	✘
Development				
Future plant life	Plant uptake in garden or landscape area	YES	Plants will be grown across the whole site	✘
Water supply pipes	Contact with contaminated material	YES	It is likely a water supply pipe will be required for use in the allotment	✓

Potentially complete SPR linkages are carried forward for further assessment in Table 5.

Phase 2 Updated Conceptual Model

Based on the sources, pathways and receptors identified above, Table 5 below summarises all complete pollutant linkages for the site and identifies the level of risk from each. Risk definitions are provided in Appendix D.

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Table 5.3 Phase 2 Updated Conceptual Site Model

Source	Area Affected	Contaminants	Pathway	Receptor	Likelihood	Potential Magnitude	Overall Risk	Notes
Made Ground	Southwest of site (HP01)	PAH's	Direct contact	Water supply pipes	Possible	Medium	Medium	PAH compounds in soil could permeate plastic potable water supply pipes and affect drinking water quality.

Summary and Recommendations

Soil contamination in terms of risks to human health and plant life was not present in any of the samples tested.

Should water supply pipes be installed at the site, they may need to be upgraded to be resistant to permeation by hydrocarbons. The suitability of the proposed water supply pipework material should be checked with the local water supply company whose process of design can take precedence over the recommendations of this report.

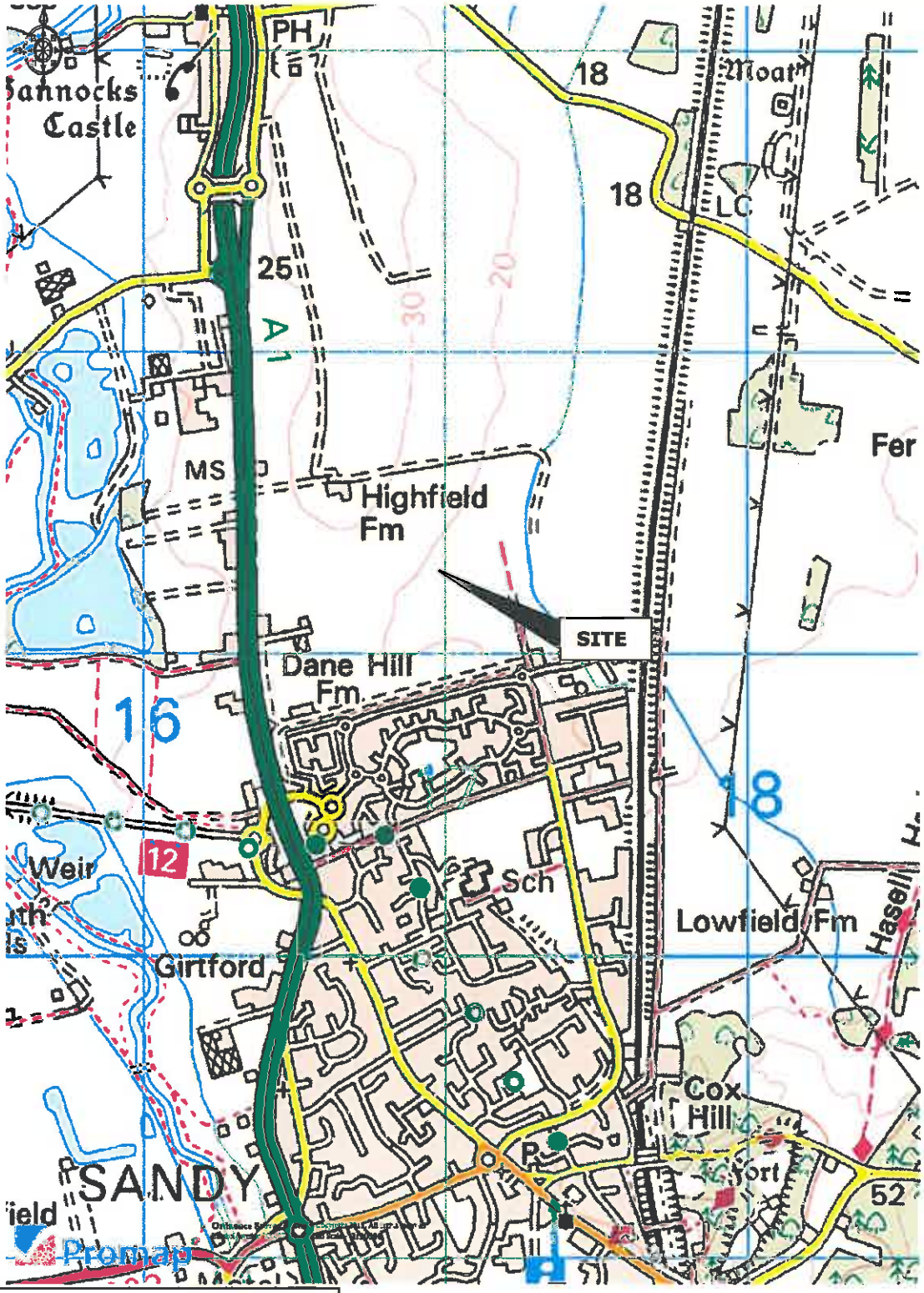
We trust that the above meets with your requirements. Should you have any further queries please do not hesitate to contact the undersigned.

Yours sincerely

Lindsay Liness
Geo-environmental Engineer
M: 07920 534784
T: 01223 632800
E: lindsay.liness@mlm.uk.com

Figures

Figure 1: Site Location Plan



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Sunderland Road Tip, Sandy

Site Location Plan

Job No. 772245

Figure No. 1

Drawings

772245-DWG-ENV-001 Exploratory Hole Location Plan

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEER'S, ARCHITECT'S AND SPECIALIST'S DRAWINGS AND THE SPECIFICATION.

2. DO NOT SCALE FROM THIS DRAWING MANUALLY OR ELECTRONICALLY. WRITTEN PERMISSION MUST BE OBTAINED FROM MLM PRIOR TO SCALING ELECTRONICALLY OR USING THIS ELECTRONIC FILE.

LEGEND

HP01 HAND DUG PIT

T2

Rev	Date	Description	Made	Ckd
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MLM

MLM Environmental

Building 7200, Cambridge Research Park, Cambridge, CB25 9TL
Tel: 01223 815600 Fax: 01223 815630
Website: www.mlm.uk.com

Drawing Status: INFORMATION

Client: CENTRAL BEDFORDSHIRE COUNCIL

Project: SUNDERLAND ROAD TIP, SANDY

Drawing Title: SUNDERLAND ROAD TIP, SANDY

Drawn/Design	ER	Date	FEB 2015	Scales	NTS @ A1
Checked	LL	Approved	MH		NTS @ A3

Drawing No.: 772245-DWG-ENV-001

Rev: .

Appendices

Appendix A:	Exploratory Hole Logs
Appendix B:	Results of Chemical Analysis
Appendix C:	Screening Criteria
Appendix D:	Defining Risk

Appendix A

Exploratory Hole Logs

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Project:	Sunderland Road Tip	Method:	IP
Project ID:	772245	Start:	19/02/2015
Location:	Sandy, Befordshire	Finish:	19/02/2015
Client:	Central Bedfordshire Council	Level (mOD):	
Project Engineer:	James Warth	Co-ordinates:	516967.69E - 251157.65N

HP01

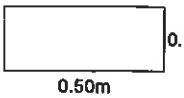
1:25 | Sheet 1 of 1 | Logged by: L. Liness

INSITU TEST/SAMPLING			STRATA					
Depth (m)	Sample Ref.	Strength Shear (kPa)	Level (mAOD)	Depth (m)	Legend	Description of Strata	Thickness (m)	Water (m)
0.30	ES1			0.40		Grass over soft to firm dark brown, slightly sandy, slightly gravelly, very silty CLAY with abundant roots and rootlets, occasional pockets of increased sand content, occasional brick fragments and rare charcoal fragments. Gravel is fine to coarse, angular to sub-rounded flint and chalk. MADE GROUND	0.40	
				0.85		Firm brown slightly gravelly, silty, sandy CLAY with occasional rootlets and rare brick fragments. Gravel is fine to medium, angular to sub-rounded flint. MADE GROUND	0.45	
1.00	ES2			1.10		Firm to stiff orange brown mottled grey slightly silty, slightly gravelly CLAY with rare black organic staining from decayed roots and occasional pockets of sandy, gravelly, slightly silty orange brown mottled grey clay. Gravel is fine to medium, angular to sub-rounded flint. OXFORD CLAY	0.25	▼
						End of trial pit at 1.10 m		

Notes:
Shear strengths recorded using Pilicon Hand Shear Vane

Remarks
1. Water seepage encountered at 1.00m bgl. Water rose to 1.07m after 20 minutes.
2. Hand pit backfilled with arisings.

Dimensions:



Stability: No instability
Plant Used:
Hand Dug

MLM

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Project:	Sunderland Road Tip	Method:	IP
Project ID:	772245	Start:	19/02/2015
Location:	Sandy, Befordshire	Finish:	19/02/2015
Client:	Central Bedfordshire Council	Level (mOD):	
Project Engineer:	James Warth	Co-ordinates:	516935.42E - 251186.57N

HP02

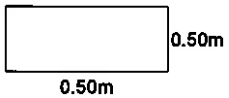
1:25 | Sheet 1 of 1 | Logged by: L. Liness

INSITU TEST/SAMPLING			STRATA					
Depth (m)	Sample Ref.	Strength Shear (kPa)	Level (mAOD)	Depth (m)	Legend	Description of Strata	Thickness (m)	Water (m)
0.20	ES1			0.30		Grass over soft to firm dark brown, slightly sandy, slightly gravelly, very silty CLAY with abundant roots and rootlets, occasional brick fragments, rare charcoal fragments and occasional black organic material from decayed roots. Gravel is fine to coarse, angular to sub-rounded flint. MADE GROUND	0.30	
				0.80		Firm brown slightly gravelly, silty, sandy CLAY with occasional rootlets and rare charcoal fragments. Gravel is fine to coarse, angular to sub-rounded flint. MADE GROUND	0.50	
0.90	ES2			0.98		Firm to stiff friable orange brown mottled grey slightly silty, slightly gravelly CLAY. Gravel is fine to medium, angular to sub-rounded flint. OXFORD CLAY	0.18	
						End of trial pit at 0.98 m		

Notes:
Shear strengths recorded using Pilicon Hand Shear Vane

Remarks
1. Hand pit backfilled with arisings.

Dimensions:



Stability: No instability
Plant Used:
Hand Dug

MLM

www.mlm.uk.com

Project:	Sunderland Road Tip	Method:	IP
Project ID:	772245	Start:	19/02/2015
Location:	Sandy, Befordshire	Finish:	19/02/2015
Client:	Central Bedfordshire Council	Level (mOD):	
Project Engineer:	James Warth	Co-ordinates:	516921.57E - 251229.10N

HP03

1:25

Sheet 1 of 1

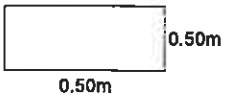
Logged by: L. Liness

INSITU TEST/SAMPLING			STRATA					
Depth (m)	Sample Ref.	Strength Shear (kPa)	Level (mAOD)	Depth (m)	Legend	Description of Strata	Thickness (m)	Water (m)
0.10	ES1			0.30		Grass over soft to firm dark brown slightly sandy, slightly gravelly, very silty CLAY with abundant roots and rootlets, occasional brick fragments and rare charcoal fragments. Gravel is fine to medium, angular to sub-rounded flint. MADE GROUND	0.30	
				0.70		Firm brown slightly silty, slightly gravelly CLAY with occasional roots and rootlets. Gravel is fine to coarse, angular to sub-rounded flint. OXFORD CLAY	0.40	
0.80	ES2			1.02		Stiff friable orange brown mottled grey slightly gravelly CLAY with rare black organic staining from decayed plant material. Gravel is fine to medium flint and chalk. OXFORD CLAY	0.32	
						End of trial pit at 1.06 m		

Notes:
Shear strengths recorded using Pilicon Hand Shear Vane

Remarks
1. Hand pit backfilled with arisings.

Dimensions:



Stability: No instability
Plant Used:
Hand Dug

MLM

www.mlm.uk.com

Project:	Sunderland Road Tip	Method:	IP
Project ID:	772245	Start:	19/02/2015
Location:	Sandy, Befordshire	Finish:	19/02/2015
Client:	Central Bedfordshire Council	Level (mOD):	
Project Engineer:	James Warth	Co-ordinates:	516949.41E - 251216.57N

HP04

1:25

Sheet 1 of 1

Logged by: L. Liness

INSITU TEST/SAMPLING				STRATA					
Depth (m)	Sample Ref.	Strength Shear (kPa)	Level (mAOD)	Depth (m)	Legend	Description of Strata	Thickness (m)	Water (m)
0.20	ES1			0.35		Grass over soft to firm dark brown slightly sandy, slightly gravelly, very silty CLAY with abundant roots and rootlets, occasional brick fragments and occasional charcoal fragments. Gravel is fine to coarse, angular to sub-rounded flint. MADE GROUND	0.35	
						Firm brown friable slightly silty, slightly sandy, slightly gravelly CLAY with occasional roots and rootlets and occasional black organic staining from decayed plant material. OXFORD CLAY	0.50	
0.90	ES2			0.85		Stiff orange brown mottled grey slightly gravelly CLAY with rare black organic staining from decayed plant material. Gravel is fine to medium, angular to sub-rounded flint and chalk. OXFORD CLAY	0.23	
				1.08		End of trial pit at 1.02 m		

Notes:
Shear strengths recorded using Pilicon Hand Shear Vane

Remarks
1. Hand pit backfilled with arisings.

Dimensions:

Stability: No instability
Plant Used:
Hand Dug

MLM

www.mlm.uk.com

Project:	Sunderland Road Tip	Method:	IP
Project ID:	772245	Start:	19/02/2015
Location:	Sandy, Befordshire	Finish:	19/02/2015
Client:	Central Bedfordshire Council	Level (mOD):	
Project Engineer:	James Warth	Co-ordinates:	516970.63E - 251220.00N

HP05

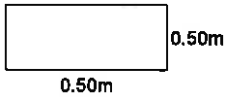
1:25 | Sheet 1 of 1 | Logged by: L. Liness

INSITU TEST/SAMPLING			STRATA					
Depth (m)	Sample Ref.	Strength Shear (kPa)	Level (mAOD)	Depth (m)	Legend	Description of Strata	Thickness (m)	Water (m)
0.10	ES1			0.30		Grass over soft to firm dark brown, slightly sandy, slightly gravelly, very silty CLAY with abundant roots and rootlets, occasional brick fragments and rare charcoal fragments. Gravel is fine to coarse, angular to sub-rounded flint. MADE GROUND	0.30	
						Firm brown slightly silty, slightly sandy, slightly gravelly CLAY with occasional roots and rootlets and occasional black organic staining from decayed roots. Gravel is fine to medium, angular to sub-rounded flint. OXFORD CLAY	0.55	
0.90	ES2			0.85				
				1.00		Stiff friable orange brown mottled grey slightly gravelly, slightly sandy CLAY with rare red ferrugenous nodules. Gravel is fine to medium, sub-angular to sub-rounded flint. OXFORD CLAY	0.15	
						End of trial pit at 1.00 m		

Notes:
Shear strengths recorded using Pilicon Hand Shear Vane

Remarks
1. Water seepage encountered at 0.85m bgl. Water rose to 0.98m after 20 minutes.
2. Hand pit backfilled with arisings.

Dimensions:



Stability: No instability
Plant Used:
Hand Dug

MLM

www.mlm.uk.com

Project:	Sunderland Road Tip	Method:	IP
Project ID:	772245	Start:	19/02/2015
Location:	Sandy, Befordshire	Finish:	19/02/2015
Client:	Central Bedfordshire Council	Level (mOD):	
Project Engineer:	James Warth	Co-ordinates:	516977.47E - 251241.04N

HP06

1:25

Sheet 1 of 1

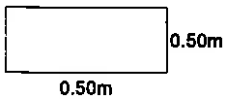
Logged by: L. Liness

INSITU TEST/SAMPLING			STRATA					
Depth (m)	Sample Ref.	Strength Shear (kPa)	Level (mAOD)	Depth (m)	Legend	Description of Strata	Thickness (m)	Water (m)
0.30	ES1			0.35		Grass over soft to firm slightly sandy, slightly gravelly, very silty CLAY with abundant roots and rootlets. Gravel is fine to coarse, angular to rounded flint. MADE GROUND	0.35	
0.80	ES2			0.75		Firm brown slightly silty, slightly sandy, slightly gravelly CLAY with occasional roots and rootlets and rare charcoal fragments. Gravel is fine to coarse, angular to rounded flint. MADE GROUND	0.40	
				1.00		Stiff orange brown mottled grey slightly gravelly CLAY. Gravel is fine to medium, sub-angular to sub-rounded flint. OXFORD CLAY	0.25	
						End of trial pit at 1.00 m		

Notes:
Shear strengths recorded using Pilicon Hand Shear Vane

Remarks
1. Hand pit backfilled with arisings.

Dimensions:



Stability: No instability
Plant Used:
Hand Dug

MLM

www.mlm.uk.com

Project:	Sunderland Road Tip	Method:	IP
Project ID:	772245	Start:	19/02/2015
Location:	Sandy, Befordshire	Finish:	19/02/2015
Client:	Central Bedfordshire Council	Level (mOD):	
Project Engineer:	James Warth	Co-ordinates:	516997.68E - 251225.03N

HP07

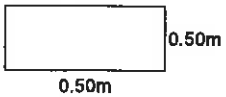
1:25 | Sheet 1 of 1 | Logged by: L. Liness

INSITU TEST/SAMPLING			STRATA					
Depth (m)	Sample Ref.	Strength Shear (kPa)	Level (mAOD)	Depth (m)	Legend	Description of Strata	Thickness (m)	Water (m)
0.20	ES1			0.30		Grass over soft to firm dark brown, slightly sandy, slightly gravelly, very silty CLAY with abundant roots and rootlets, occasional brick fragments and rare charcoal fragments. Gravel is fine to coarse, sub-angular to sub-rounded flint. MADE GROUND	0.30	
				0.65		Firm brown slightly sandy CLAY with occasional roots and rootlets and occasional black organic staining from decayed roots. OXFORD CLAY	0.35	
0.80	ES2			1.05		Firm to stiff friable orange brown mottled grey sandy CLAY. Sand is fine to medium grained. OXFORD CLAY	0.40	
						End of trial pit at 1.05 m		

Notes:
Shear strengths recorded using Pilicon Hand Shear Vane

Remarks
1. Water seepage encountered at 1.00m bgl. Water rose to 1.07m after 20 minutes.
2. Hand pit backfilled with arisings.

Dimensions:



Stability: No instability
Plant Used:
Hand Dug

MLM

www.mlm.uk.com

Project:	Sunderland Road Tip	Method:	IP
Project ID:	772245	Start:	19/02/2015
Location:	Sandy, Befordshire	Finish:	19/02/2015
Client:	Central Bedfordshire Council	Level (mOD):	
Project Engineer:	James Warth	Co-ordinates:	517010.76E - 251246.58N

HP08

1:25

Sheet 1 of 1

Logged by: L. Liness

INSITU TEST/SAMPLING			STRATA					
Depth (m)	Sample Ref.	Strength Shear (kPa)	Level (mAOD)	Depth (m)	Legend	Description of Strata	Thickness (m)	Water (m)
0.20	ES1			0.40		Grass over soft to firm dark brown slightly sandy, slightly gravelly, very silty CLAY with abundant roots and rootlets, occasional brick fragments and rare charcoal fragments. Gravel is fine to coarse, angular to sub-rounded flint. MADE GROUND	0.40	
0.70	ES2			0.80		Firm brown slightly sandy, slightly gravelly CLAY with occasional roots and rootlets, occasional black organic material from decayed roots and rare charcoal fragments. MADE GROUND	0.40	
				1.00		Firm to stiff orange brown mottled grey slightly gravelly CLAY. Gravel is fine to medium, angular to sub-angular flint. OXFORD CLAY	0.20	
						End of trial pit at 1.00 m		

Notes:
Shear strengths recorded using Pilicon Hand Shear Vane

Remarks
1. Hand pit backfilled with arisings.

Dimensions:

0.50m

0.50m

Stability: No instability

Plant Used:

Hand Dug

MLM

www.mlm.uk.com

Project:	Sunderland Road Tip	Method:	IP
Project ID:	772245	Start:	19/02/2015
Location:	Sandy, Befordshire	Finish:	19/02/2015
Client:	Central Bedfordshire Council	Level (mOD):	
Project Engineer:	James Warth	Co-ordinates:	517029.89E - 251229.82N

HP09

1:25

Sheet 1 of 1

Logged by: L. Liness

INSITU TEST/SAMPLING			STRATA					
Depth (m)	Sample Ref.	Strength Shear (kPa)	Level (mAOD)	Depth (m)	Legend	Description of Strata	Thickness (m)	Water (m)
0.20	ES1			0.30		Grass over soft to firm dark brown slightly sandy, slightly gravelly, very silty CLAY with abundant roots and rootlets with occasional brick fragments, rare charcoal fragments and rare black organic materials from decayed roots. MADE GROUND	0.30	
				0.70		Firm to stiff brown slightly sandy, slightly gravelly CLAY with frequent roots and rootlets. Gravel is fine to coarse, angular to rounded flint. OXFORD CLAY	0.40	
0.90	ES2			1.00		Stiff orange brown mottled grey slightly gravelly CLAY. Gravel is fine chalk and flint. OXFORD CLAY	0.30	
						End of trial pit at 1.00 m		

Notes:
Shear strengths recorded using Pilicon Hand Shear Vane

Remarks
1. Water seepage encountered at 1.00m bgl. Water rose to 0.99m after 30 minutes.
2. Hand pit backfilled with arisings.

Dimensions:

Stability: No instability
Plant Used:
Hand Dug

MLM

www.mlm.uk.com

Project:	Sunderland Road Tip	Method:	IP
Project ID:	772245	Start:	19/02/2015
Location:	Sandy, Befordshire	Finish:	19/02/2015
Client:	Central Bedfordshire Council	Level (mOD):	
Project Engineer:	James Warth	Co-ordinates:	517047.78E - 251249.65N

HP10

1:25

Sheet 1 of 1

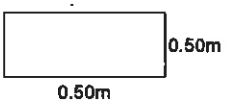
Logged by: L. Liness

INSITU TEST/SAMPLING			STRATA					
Depth (m)	Sample Ref.	Strength Shear (kPa)	Level (mAOD)	Depth (m)	Legend	Description of Strata	Thickness (m)	Water (m)
0.30	ES1			0.35		Grass over soft to firm dark brown slightly sandy, slightly gravelly, very silty CLAY with abundant roots and rootlets, occasional brick fragments and black organic material from decayed roots. Gravel is fine to coarse, sub-angular to sub-rounded flint. MADE GROUND	0.35	
				0.80		Firm brown slightly sandy, slightly gravelly CLAY with occasional roots and rootlets and occasional red ferrugenous staining. Gravel is fine to medium, sub-angular to sub-rounded flint. OXFORD CLAY	0.45	
1.00	ES2			1.10		Firm orange brown mottled grey slightly gravelly CLAY. Gravel is fine to medium, sub-angular to rounded flint. OXFORD CLAY	0.30	
						End of trial pit at 1.10 m		

Notes:
Shear strengths recorded using Pilicon Hand Shear Vane

Remarks
1. Water seepage encountered at 0.95m bgl. Water rose to 1.00m after 20 minutes.
2. Hand pit backfilled with arisings.

Dimensions:



Stability: No instability
Plant Used:
Hand Dug

MLM

www.mlm.uk.com

Project:	Sunderland Road Tip	Method:	IP
Project ID:	772245	Start:	19/02/2015
Location:	Sandy, Befordshire	Finish:	19/02/2015
Client:	Central Bedfordshire Council	Level (mOD):	
Project Engineer:	James Warth	Co-ordinates:	517010.76E - 251246.58N

HP11

1:25

Sheet 1 of 1

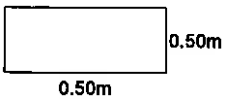
Logged by: L. Liness

INSITU TEST/SAMPLING			STRATA					
Depth (m)	Sample Ref.	Strength Shear (kPa)	Level (mAOD)	Depth (m)	Legend	Description of Strata	Thickness (m)	Water (m)
0.20	ES1			0.30		Grass over soft to firm dark brown slightly sandy, slightly gravelly, very silty CLAY with abundant roots and rootlets, occasional small brick fragments and rare charcoal fragments. Gravel is fine to coarse, sub-angular to rounded flint. MADE GROUND	0.30	
				0.70		Firm brown slightly sandy, slightly gravelly CLAY with occasional roots and rootlets. Gravel is fine to coarse, angular to rounded flint. OXFORD CLAY	0.40	
0.90	ES2			1.05		Firm to stiff orange brown mottled grey slightly gravelly CLAY. Gravel is fine to medium, angular to sub-angular flint. OXFORD CLAY	0.35	
						End of trial pit at 1.05 m		

Notes:
Shear strengths recorded using Pilicon Hand Shear Vane

Remarks
1. Water seepage encountered at 0.80m bgl. Water rose to 0.95m after 20 minutes.
2. Hand pit backfilled with arisings.

Dimensions:



Stability: No instability
Plant Used:
Hand Dug

KEY TO BOREHOLE, TRIAL PIT AND WINDOW SAMPLE LOGS

SOIL STRATA

STRATA


MADE GROUND / FILL


TOPSOIL


COBBLES AND BOULDERS


GRAVEL


SAND


SILT


CLAY


PEAT

WATER


WATER STRIKE


WATER STANDING

BACKFILL / INSTALLATIONS

Backfill Details


CONCRETE


BENTONITE


FILTER/GRAVEL


ARISINGS BACKFILL

Pipe Details


PLAIN PIPE


SLOTTED PIPE


PIEZOMETER TIP

SAMPLES

U100	OPEN DRIVE TUBE SAMPLE (100 mm NOMINAL DIAMETER)
UT100	OPEN DRIVE THIN WALL TUBE SAMPLE (100 mm NOMINAL DIAMETER)
U38	OPEN DRIVE TUBE SAMPLE (38 mm NOMINAL DIAMETER)
P	PISTON SAMPLE (100 mm NOMINAL DIAMETER UNLESS NOTED OTHERWISE)
D	SMALL DISTURBED SAMPLE
B	BULK DISTURBED SAMPLE
BLK	BLOCK SAMPLE
C	ROTARY CORE SAMPLE
G	GAS SAMPLE
U	UNDISTURBED SAMPLE
UT	TUBE SAMPLE
ES	ENVIRONMENTAL SAMPLE
W	WATER SAMPLE
SPTLS	STANDARD PENETRATION TEST LINER SAMPLE

IN SITU TESTING

S	STANDARD PENETRATION TEST USING THE SPLIT SPOON SAMPLER
C	STANDARD PENETRATION TEST USING A SOLID CONE

WHERE A TEST HAS BEEN COMPLETED THE TYPE OF TEST AND THE N-VALUE WILL BE REPORTED.

WHERE THE FULL 300 mm PENETRATION OF THE MAIN DRIVE HAS NOT BEEN COMPLETED, THE NUMBER OF BLOWS (NOT AN N-VALUE) WILL BE REPORTED.

THE FIELD RECORDS COLUMN ON THE LOG WILL SHOW EACH SET OF BLOW COUNTS PER 75 mm OF PENETRATION INCLUDING SEATING BLOWS AND WILL ALSO INDICATE THE PARTIAL PENETRATION ACHIEVED (mm) FOR INCOMPLETE TESTS.

MLM

www.mlm.uk.com

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Appendix B

Results of Chemical Analysis

Chemtest
The right chemistry to deliver results
Chemtest Ltd.
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.co.uk

UKAS TESTING
2183

Final Report

Report Number:	15-04304 Issue-1
Initial Date of Issue:	03-Mar-2015
Client:	MLM
Client Address:	Building 7200 IQ Cambridge Cambridge Cambridgeshire CB25 9TL
Contact(s):	James Warth
Project:	772245 - Sunderland Road Tip, Sandy
Quotation No.:	
Order No.:	772245
No. of Samples:	22
Turnaround: (Wkdays)	5
Date Approved:	03-Mar-2015
Approved By:	
Details:	Phil Hellier, Project Director

Date Received:	25-Feb-2015
Date Instructed:	25-Feb-2015
Results Due Date:	03-Mar-2015

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: 772245 - Sunderland Road Tip, Sandy

Client: MLM					Chemtest Job No.:	15-04304	15-04304	15-04304	15-04304	15-04304	15-04304
Quotation No.:					Chemtest Sample ID.:	107281	107287	107289	107293	107297	107301
Order No.: 772245					Client Sample Ref.:	HP01	HP04	HP05	HP07	HP09	HP11
					Client Sample ID.:	E1	E1	E1	E1	E1	E1
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):	0.30	0.20	0.10	0.20	0.20	0.20
					Bottom Depth(m):						
					Date Sampled:	19-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**							
ACM Type	U	2192				-	-	-	-	-	-
Asbestos Identification	U	2192	%	0.001		No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Chromatogram	N					See Attached	See Attached	See Attached	See Attached	See Attached	See Attached
pH	U	2010				7.5	7.2	7.0	7.6	6.9	7.7
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.01		0.036	0.15	0.067	0.066	0.069	0.10
Cyanide (Total)	U	2300	mg/kg	0.5		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)	U	2325	mg/kg	0.5		1.2	1.4	1.3	1.4	1.4	1.7
Arsenic	U	2450	mg/kg	1		19	15	15	15	13	17
Boron	N	2450	mg/kg	0.4		9.3	7.4	7.2	8.7	7.6	10
Cadmium	U	2450	mg/kg	0.1		0.27	0.24	0.17	0.19	0.19	0.21
Chromium	U	2450	mg/kg	1		39	32	32	34	34	36
Copper	U	2450	mg/kg	0.5		22	19	20	16	15	17
Mercury	U	2450	mg/kg	0.1		0.29	0.34	0.33	0.21	0.18	0.15
Nickel	U	2450	mg/kg	0.5		28	25	22	25	24	30
Lead	U	2450	mg/kg	0.5		68	59	50	45	40	43
Selenium	U	2450	mg/kg	0.2		< 0.20	0.59	0.54	0.22	0.76	0.52
Zinc	U	2450	mg/kg	0.5		94	69	73	72	70	79
Chromium (Hexavalent)	N	2490	mg/kg	0.5		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Organic Matter	U	2625	%	0.4		3.6	3.1	2.9	2.4	2.9	3.3
Aliphatic TPH >C5-C6	N	2675	mg/kg	0.1		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C6-C8	N	2675	mg/kg	0.1		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C8-C10	U	2675	mg/kg	0.1		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C10-C12	U	2675	mg/kg	1		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	U	2675	mg/kg	1		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	U	2675	mg/kg	1		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	U	2675	mg/kg	1		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C35-C44	U	2675	mg/kg	1		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	U	2675	mg/kg	5		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Aromatic TPH >C5-C7	N	2675	mg/kg	0.1		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C7-C8	N	2675	mg/kg	0.1		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C8-C10	U	2675	mg/kg	0.1		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C10-C12	N	2675	mg/kg	1		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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Results Summary - Soil

Project: 772245 - Sunderland Road Tip, Sandy

Client: MLM					Chemtest Job No.:	15-04304	15-04304	15-04304	15-04304	15-04304	15-04304
Quotation No.:					Chemtest Sample ID.:	107281	107287	107289	107293	107297	107301
Order No.: 772245					Client Sample Ref.:	HP01	HP04	HP05	HP07	HP09	HP11
					Client Sample ID.:	E1	E1	E1	E1	E1	E1
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):	0.30	0.20	0.10	0.20	0.20	0.20
					Bottom Depth(m):						
					Date Sampled:	19-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**							
Aromatic TPH >C12-C16	U	2675	mg/kg	1		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2675	mg/kg	1		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C21-C35	N	2675	mg/kg	1		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C35-C44	N	2675	mg/kg	1		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	U	2675	mg/kg	5		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	U	2675	mg/kg	10		< 10	< 10	< 10	< 10	< 10	< 10
Naphthalene	U	2700	mg/kg	0.1		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.1		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.1		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.1		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.1		0.31	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2700	mg/kg	0.1		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.1		0.61	0.39	0.35	0.26	0.21	0.27
Pyrene	U	2700	mg/kg	0.1		0.63	0.40	0.36	0.31	0.23	0.31
Benzo[a]anthracene	U	2700	mg/kg	0.1		0.26	0.20	0.18	< 0.10	< 0.10	< 0.10
Chrysene	U	2700	mg/kg	0.1		0.53	0.32	0.33	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.1		0.58	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.1		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.1		0.46	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.1		0.52	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.1		0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.1		0.40	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	U	2700	mg/kg	2		4.5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total Phenols	U	2920	mg/kg	0.3		< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30

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Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable sample
N/E	not evaluated
<	"less than"
>	"greater than"

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis
The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVCOs, PCBs, Phenols
For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at our Coventry laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container

Sample Retention and Disposal

All soil samples will be retained for a period of 60 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.co.uk

Appendix C

Screening Criteria

Screening Levels – Human Health (soil)

LQM/CIEH S4UL (except allotments)	Residential		Allotments	Commercial	Public Open Space (residential)	Public Open Space (park)
	With homegrown produce	Without homegrown produce				
	Metals and semi-metals (based on sandy loam soil with SOM 6%)					
Arsenic (inorganic)	37	40	43	640		
Beryllium	1.7	1.7	35	12		
Boron	290	1.1e+4	45	2.4e+5		
Cadmium	11	85	1.9	190		
Chromium III (or total)	910	910	18000	8600		
Chromium VI (hexavalent)	6	6	1.8	33		
Copper	2400	7100	520	6.8e+4		
Mercury (inorganic)	40	56	19	1100		
Nickel	180	180	230	980		
Selenium	250	430	88	1.2e+4		
Vanadium	410	1200	91	9000		
Zinc	3700	4.0e+4	620	7.3e+5		
Lead (Defra C4SL used in the absence of a published S4UL)	200	310	80	2330		
	Polycyclic Aromatic Hydrocarbons (based on sandy loam soil with SOM 1%, 2.5% or 6%)					
Acenaphthene	210 510 1100	3000 4700 6000	34 85 200	8.4e+4 9.7e+4 1.0e+5		
Acenaphthylene	170 420 920	2900 4600 6000	28 69 160	8.3e+4 9.7e+4 1.0e+5		
Anthracene	2400 5400 1.1e+4	3.1e+4 3.5e+4 3.7e+4	380 950 2200	5.2e+5 5.4e+5 5.4e+5		
Benzo[a]anthracene	7.2 11 13	11 14 15	2.9 6.5 13	170 170 180		
Benzo[a]pyrene	2.2 2.7 3.0	3.2	0.97 2.0 3.5	35 35 36		
Benzo[b]fluoranthene	2.6 3.3 3.7	3.9 4.0 4.0	0.99 2.1 3.9	44 44 45		
Benzo[ghi]perylene	320 340 350	360	290 470 640	3900 4000 4000		
Benzo[k]fluoranthene	77 93 100	110	37 75 130	1200		
Chrysene	15 22 27	30 31 32	4.1 9.4 19	350		
Dibenzo[ah]anthracene	0.24 0.28 0.30	0.31 0.32 0.32	0.14 0.27 0.43	3.5 3.6 3.6		
Fluoranthene	280 560 890	1500 1600 1600	52 130 290	2.3e+4		
Fluorene	170 400 860	2800 3800 4500	27 67 160	6.3+4 6.8e+4 7.1e+4		
Indeno[123-cd]pyrene	27 36 41	45 46 46	9.5 21 39	500 510 510		
Naphthalene	2.3 5.6 13	2.3 5.6 13	4.1 10 24	190 460 1100		
Phenanthrene	95 220 440	1300 1500 1500	15 38 90	2.2e+4 2.2e+4 2.3e+4		
Pyrene	620 1200 2000	3700 3800 3800	110 270 620	5.4e+4		

Screening Levels – Human Health (soil)

LQM/CIEH S4UL (except allotments)	Residential		Allotments	Commercial	Public Open Space (residential)	Public Open Space (park)
	With homegrown produce	Without homegrown produce				
	BTEX (based on sandy loam **soil** with SOM 1%, 2.5% or 6%)					
Benzene	0.087 0.17 0.37	0.38 0.7 1.4	0.017 0.034 0.075	27 47 90		
Toluene	130 290 660	880(vap 869)	22 51 120	5.6e+4(vap 869) 1.1e+5(vap 1920) 1.8e+5(vap 4360)		
Ethylbenzene	47 110 260	83 190 440	16 39 91	5700(vap 513) 1.3e+4(vap 1220) 2.7e+4(vap 2610)		
m- & p-xylene	56 130 310	79 180 430	29 69 160	5900 1.4e+4 3.0e+4		
o-xylene	60 140 330	88 210 480	28 67 160	6600 1.5e+4 3.3e+4		
	Petroleum Hydrocarbons (based on sandy loam soil with SOM 1%, 2.5% or 6%)					
TPH aliphatic EC>5-6	42 78 160	42 78 160	730 1700 3900	3200 5900 1.2e+4		
TPH aliphatic EC>6-8	100 230 530	100 230 530	2300 5600 1.3e+4	7800 1.7e+4 4.0e+4		
TPH aliphatic EC>8-10	27 65 150	27 65 150	320 770 1700	2000 4800(vap 990) 1.1e+4(vap 454)		
TPH aliphatic EC>10-12	130(vap 48) 330(vap 118) 760(vap 283)	130(vap 48) 330(vap 118) 770(vap 283)	2200 4400 7300	9700 2.3e+4(vap 118) 4.7e+4(vap 283)		
TPH aliphatic EC>12-16	1100 2400 4300	1100 2400 4400	1.1e+4 1.3e+4 1.3e+4	5.9e+4 8.2e+4 9.0e+4[5]		
TPH aliphatic EC>16-35	6.5e+4 9.2e+4 1.1e+5	6.5e+4 9.2e+4 1.1e+5	2.6e+5 2.7e+5 2.7e+5	1.6e+6 1.7e+6 1.8e+6		
TPH aliphatic EC>35-44	6.5e+4 9.2e+4 1.1e+5	6.5e+4 9.2e+4 1.1e+5	2.6e+5 2.7e+5 2.7e+5	1.6e+6 1.7e+6 1.8e+6		
TPH aromatic EC>5-7	70 140 300	370 690 1400	13 27 57	2.6e+4 4.6e+4 8.6e+4		
TPH aromatic EC>7-8	130 290 660	860 1800 3900	22 51 120	5.6e+4(vap 869) 1.1e+5 1.8e+5(vap 4360)		
TPH aromatic EC>8-10	34 83 190	47 110 270	8.6 21 51	3500(vap 6.3) 8100(vap 1350) 1.7e+4(vap 3580)		
TPH aromatic EC>10-12	74 180 380	250 590 1200	13 31 74	1.6e+4 2.8e+4 3.4e+4		
TPH aromatic EC>12-16	140 330 660	1800 2300 2500	23 57 130	3.6e+4 3.7e+4 3.8e+4		
TPH aromatic EC>16-21	260 540 930	1900	46 110 260	2.8e+4		
TPH aromatic EC>21-35	1100 1500 1700	1900	370 820 1600	2.8e+4		
TPH aromatic EC>35-44	1100 1500 1700	1900	370 820 1600	2.8e+4		
	Phenols (based on sandy loam **soil** with SOM 1%, 2.5% or 6%)					
Phenol	120 200 380	440 690 1200	23 42 83	440 690 1300		
Chlorophenols (except pentachlorophenol)	0.87 2.0 4.5	94 150 210	0.13 0.30 0.70	3500 4000 4300		
Pentachlorophenol	0.22 0.52 1.2	27(vap 16.4) 29 31	0.03 0.08 0.19	400		

Screening Levels – Human Health (soil)

LQM/CIEH S4UL (except allotments)	Residential		Allotment	Commercial	Public Open Space (residential)	Public Open Space (park)
	With homegrown produce	Without homegrown produce				
	Volatile Organic Compounds (based on sandy loam soil with SOM 1%, 2.5% or 6%)					
1,2-Dichloroethane	0.0071 0.011 0.019	0.0092 0.013 0.023	0.0046 0.0083 0.016	0.67 0.97 1.7		
1,1,1-Trichloroethane	8.8 18 39	9.0 18 40	48 110 240	660 1300 3000		
1,1,2,2-Tetrachloroethane	1.6 3.4 7.5	3.9 8.0 17	0.41 0.89 2.0	270 550 1100		
1,1,1,2-Tetrachloroethane	1.2 2.8 6.4	1.5 3.5 8.2	0.79 1.9 4.4	110 250 560		
Tetrachloroethene (PCE)	0.18 0.39 0.90	0.18 0.40 0.92	0.65 1.5 3.6	19 42 95		
Tetrachloromethane	0.026 0.056 0.13	0.026 0.056 0.13	0.45 1.0 2.4	2.9 6.3 14		
Trichloroethene (TCE)	0.016 0.034 0.075	0.017 0.036 0.080	0.041 0.091 0.21	1.2 2.6 5.7		
Trichloromethane (chloroform)	0.91 1.7 3.4	1.2 2.1 4.2	0.42 0.83 1.7	99 170 350		
Chloroethene (vinyl chloride)	0.00064 0.00087 0.0014	0.00077 0.0010 0.0015	0 00055 0.0010 0.0018	0.059 0.077 0.12		
Chlorobenzene	0.46 1.0 2.4	0.46 1.0 2.4	5.9 14 32	56 130 290		
1,2-Dichlorobenzene	23 55 130	24 57 130	94 230 540	2000 4800 1.1e+4		
1,3-Dichlorobenzene	0.4 1.0 2.3	0.44 1.1 2.5	0.25 0.6 1.5	30 73 170		
1,4-Dichlorobenzene	61 150 350	61 150 350	15 37 88	4400 vap (224) 1.0e+4 vap (540) 2.5e+4 vap (1250)		
1,2,3-Trichlorobenzene	1.5 3.6 8.6	1.5 3.7 8.8	4.7 12 28	102 250 590		
1,2,4-Trichlorobenzene	2.6 6.4 15	2.6 6.4 15	55 140 320	220 530 1300		
1,3,5-Trichlorobenzene	0.33 0.81 1.9	0.33 0.81 1.9	4.7 12 28	23 55 130		
1,2,3,4-Tetrachlorobenzene	15 36 78	24 56 120	4.4 11 26	1700 vap (1.25) 3080 vap (304) 4400 vap (728)		
1,2,3,5-Tetrachlorobenzene	0.66 1.6 3.7	0.75 1.9 4.3	0.38 0.90 2.2	49 vap (10) 120 vap (50) 240 vap (728)		
1,2,4,5-Tetrachlorobenzene	0.33 0.77 1.6	0.73 1.7 3.5	0.06 0.16 0.37	42 72 96		
Pentachlorobenzene	5.8 12 22	19 30 38	1.2 3.1 7.0	640 770 830		
Hexachlorobenzene	1.8 vap (0.2) 3.3 vap (0.5) 4.9	4.1 vap (0.2) 5.7 vap (0.5) 6.7	0.47 1 1 2.5	110 vap (0.2) 120 vap (0.5) 120		
Carbon disulphide	0.14 0.29 0.62	0.14 0.29 0.62	4.8 10 23	11 22 47		
Hexachlorobutadiene	0.29 0.7 1.6	0.32 0.78 1.8	0.25 0.61 1.4	31 66 120		

Screening Levels – Human Health (soil)

	Pesticides (based on sandy loam soil with SOM 1%, 2.5% or 6%)					
Aldrin	5.7 6.6 7.1	7.3 7.4 7.5	3.2 6.1 9.6	170		
Dieldrin	0.97 2.0 3.5	7.0 7.3 7.4	0.17 0.41 0.96	170		
Atrazine	3.3 7.6 17.4	610 620 620	0.50 1.2 2.7	9300 9400 9400		
Dichlorvos	0.032 0.066 0.14	6.4 6.5 6.6	0.0049 0.010 0.022	140		
Endosulfan	7.4 18 41	160 280 410	1.2 2.9 6.8	5600 7400 8400		
HCH (including Lindane)	0.23 0.55 1.2	6.9 9.2 11	0.035 0.087 0.21	170 180 180		
	Explosives (based on sandy loam soil with SOM 1%, 2.5% or 6%)					
2,4,6-Trinitrotoluene	1.6 3.7 8.1	65 66 66	0.24 0.58 1.40	1000		
RDX	120 250 540	1.3e+4	17 38 85	2.1e+5		
HMX	5.7 13 26	6700	0 86 1.9 3.9	1.1e+5		

Assessment Criteria – Controlled Waters

Substance	EQS			DWS	Substance	EQS	DWS
List 1							
	Fresh	Estuary	Marine				
Mercury	1	0.5	0.3	1	Endrin	0.005	0.1
Cadmium	5	5	2.5	5	Total 'Drins	0.03	-
Hexachlorocyclohexane	0.1	0.02	0.02	-	Hexachlorobenzene	0.03	-
Carbon tetrachloride	12			-	Hexachlorobutadiene	0.1	-
Total DDT	0.025			0.5	Chloroform	12	-
pp DDT	0.01			-	1,2-dichloroethane	10	-
Pentachlorophenol	2			0.1	Trichlorethylene	10	-
Dieldrin	0.01			0.03	Perchlorethylene	10	-
Isodrin	0.005			0.1	Trichlorobenzene	0.4	-
Aldrin	0.01			0.03			
List 2							
1,1,1-Trichloroethane	100			-	Fenitrothion	0.01	0.1
1,1,2-Trichloroethane	400			-	Flucofuron	1	0.1
2,4-D (ester)	1			-	Iron	1000	200
2,4-D (non-ester)	40			-	Linuron	2	0.1
2,4-Dichlorophenol	20			-	Malathion	0.01	0.1
2-Chlorophenol	50			-	Mecoprop	20	0.1
4-Chloro-3-methyl-phenol	40			-	Mevinphos	0.02	0.1
Arsenic	50			10	Naphthalene	10	0.1
Atrazine &Simazine	2			0.1	Omethoate	0.01	0.1
Azinphos-methyl	0.01			0.1	PCSDs	0.05	0.1
Bentazone	500			0.1	Permethrin	0.01	0.1
Benzene	30			1	pH	6 - 9	6.5 - 10
Biphenyl	25			-	Sulcofuron	25	0.1
Boron	2000			1000	Toluene	50	0.1
Chloronitrotoluenes	10			-	Triazaphos	0.005	0.1
Cyfluthrin	0.001			0.1	Tributyltin	0.02	0.1
Demeton	0.5			0.1	Trifluralin	0.1	0.1
Dichlorvos	0.001			0.1	Triphenyltin	0.02	0.1
Dimethoate	1			0.1	Xylene (m and p, o)	30	-
Endosulphan	0.003			0.1	TPH	30	10

List 2 (hardness related)							
Hardness (mg/l $CaCO_3$)	0-50	>50 -100	>100 -150	>150 -200	>200 -250	>250	
Suitable for all fish							
Copper	1	6	10	10	10	28	2000
Nickel	50	100	150	150	200	200	20
Vanadium	20	20	20	20	60	60	-
Suitable for salmonid (game) fish							
Chromium	5	10	20	20	50	50	50
Lead	4	10	10	20	20	20	25
Zinc	8	50	75	75	75	125	-
Suitable for Cyprinid (coarse) fish							
Chromium	150	175	200	200	250	250	50
Lead	20	125	125	250	250	250	25
Zinc	75	175	250	250	250	500	-

Other Compounds			
Acrylamide	0.1	Tetrachloroethene and Trichloroethene	10
Antimony	5	Trihalomethanes(ii)	100
Benzo(a)pyrene	0.01	Vinyl chloride	0.5
Bromate	10	Aluminium	200
Cyanide	50	Iron	200
1, 2-dichloroethane	3	Manganese	50
Epichlorohydrin	0.1	Sodium	200
Fluoride	1.5	Tetrachloromethane	3
Heptachlor	0.03	Ammonium	0.5 mg/l
Heptachlor epoxide (iii)	0.03	Nitrate	50 mg/l
Other pesticides	0.1	Nitrite	0.5 mg/l
Pesticides (total)	0.5	Chloride	250 mg/l
PAHs(i)	0.1	Sulphate	250 mg/l
Selenium	10	TPH (1989 Regs)	10

Notes:
i. Specified compounds are benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[g,h,i]-perylene, indeno[1,2,3-c,d]pyrene.
ii. Specified compounds are chloroform, bromoform, dibromochloromethane, bromodichloro-methane.

Unless stated otherwise all units µg l^{-1}

Assessment Criteria –Water Supply Pipes

Substance [1]	WRAS (withdrawn)	Anglian Water	UK WIR	
			PE	PVC
Organic compounds				
TPH	50	50 – 1000 [2]	-	
TPH >C5-C10	-	-	2	1.4
TPH >C11-C20	-	-	10	NL
TPH >C21-C40	-	-	500	NL
Extended VOC suite	-	-	0.5	0.125
Extended SVOC suite	-	-	2	1.4
BTEX + MTBE	-	-	0.1	0.03
Chlorinated hydrocarbons				
Dichloromethane	-	1	-	-
1,2-dichloroethane	-	0.2	-	-
1,1,1-trichloroethane	-	8	-	-
1,2-dichloropropane	-	0.1	-	-
Tetrachloromethane	-	0.15	-	-
Trichloroethene	-	1.5	-	-
Tetrachloroethene	-	0.5	-	-
Vinyl chloride	-	0.1	-	-
Methyl bromide	-	10	-	-
Total	-	7	-	-
Aromatic hydrocarbons				
Benzene	-	0.5	0.1	0.03
Ethylbenzene	-	0.5	0.1	0.03
Trimethyl benzene	-	0.1	-	-
Propylbenzene	-	2	-	-
Toluene	-	0.25	0.1	0.03
Xylenes	-	0.5	0.1	0.03
Phenol	5	1	2	0.4
Cresol	-	1	2	0.04
Total	-	7	-	-
Chlorinated phenols				
Chlorophenols	-	0.5	-	-
Dichlorophenols	-	0.5	-	-
Trichlorophenols	-	0.5	-	-
2,4,6-trichlorophenol	-	0.5	-	-
Pentachlorophenol	-	0.5	-	-
Total	-	1	2	0.04
Chlorinated aromatic hydrocarbons				
Chlorobenzene	-	0.5	-	-
Dichlorobenzene	-	0.5	-	-
Trichlorobenzene	-	0.5	-	-
Pentachlorobenzene	-	0.5	-	-
Total	-	1	-	-
Polyaromatic hydrocarbons				
Naphthalene	-	5	-	-
Anthracene	-	10	-	-
Phenanthrene	-	10	-	-
Fluoranthene	-	10	-	-
Pyrene	-	10	-	-
Benzo[a]pyrene	-	1	-	-
Total	50	20	2	1.4
Other organic compounds				
Tetrahydrafurane	-	4	-	-
Styrene	-	5	-	-
Pyridine	-	2	-	-
Ethers	-	-	0.5	1
Nitrobenzene	-	-	0.5	0.4
Ketones	-	-	0.5	0.02
Aldehydes	-	-	0.5	0.02
Amines	-	-	Detected	NL

Notes:
1. All units mg/kg in soil.
2. The threshold for TPH is 1000mg/kg provided no other organic compounds are present. If the TPH level exceeds 50mg/kg then the sum of TPH plus other organic compounds must not be greater than the upper threshold. If the other compounds are not tested for then the threshold for TPH must be set at the lower threshold.
3. All UKWIR TV's (except BTEX and MTBE) are based on taste and odour detection threshold.
4. PE – polyethylene; PVC – polyvinyl chloride

Appendix D

Defining Risk

Defining Risk

The environmental risks identified for each pollutant linkage shown in the Conceptual Model and Risk Assessment (section 4) has been derived using a matrix based on the model provided in CIRIA C552 Contaminated Land Risk Assessment, A guide to Good Practice, which considers both the magnitude of consequence and the likelihood of occurrence.

The overall risk is determined by using a worst case scenario matrix as follows.

		Likelihood of Occurrence				
		Almost Certain	**Likely**	**Possible**	**Unlikely**	**Very Unlikely**
Potential Magnitude of Consequence	**Severe**	Very High	High	Moderate	Low	Low
	Moderate	High	Moderate	Moderate	Low	Very Low
	Mild	Moderate	Moderate	Low	Very Low	Very Low
	Negligible	Low	Low	Very Low	Very Low	Very Low

Input for the matrix above is based on the following scenarios for the potential magnitude of the consequence and the likely occurrence of the event.

Potential Magnitude of the Consequence

Severe	• Permanent damage to buildings and structure • Long term irreversible damage to human health • Acute contamination of groundwater and/or surface water
Moderate	• Major (but reversible) damage to buildings and structures. • Long term (but curable) effects on human health • Heavy contamination of groundwater and /or surface water
Mild	• Minor reversible damage to building and structure • Short term effects on human health. • Minor contamination of groundwater and/or surface water
Negligible	• Very little or no damage to buildings and structures. • Very minor, short term or no effects on human health. • Very little or no contamination of groundwater and/or surface water

Likelihood of Occurrence

Almost Certain	• There is a clear pollutant linkage and circumstances are such that an event will inevitably occur or there is already evidence of harm to receptors
Likely	• There is a pollutant linkage and circumstances are such that an event is likely to occur in either the long or short term
Possible	• There is a pollutant linkage and circumstances are possible under which the event could occur in the short term but more likely in the long term
Unlikely	• There is a pollutant linkage and circumstances are possible under which the event could occur. It is however, unlikely in long term and even less so in the short term
Very Unlikely	• There is a pollutant linage however circumstances are such that it is unlikely that an event would ever occur

Item 14

Carol Baker-Smith

From: Marc webber <marcewebber@yahoo.co.uk>
Sent: 27 March 2015 06:55
To: Mayor
Subject: Please sign my petition to reopen toilets at Sandy station

Dear Councillor Jackson

As I am sure you are aware, Sandy train station celebrates its 165th year of existence in August.

Yet, in more recent times, the public toilets have been abandoned and closed off, leaving an increasing amount of locals and visitors without decent facilities.

So, I have started a petition to get them reopened and I hope you could sign and share this petition to get as many residents supporting it as possible.

It would be great to have such a basic service on the station in time for its August birthday.

The link to the petition is below
Regards
Marc

https://www.change.org/p/great-northern-train-company-on-165th-anniversary-of-sandy-station-opening-please-re-open-the-public-toilets-on-the-station

Sent from my iPhone

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Item 16 Ca)

To: Anne Elliott-Flockhart
Subject: Re: Advertising

Good morning Anne,

Could you point me in the right direction for permission to hold a small event in the summer on the sunderland road park,

On the 21st of June in the day,

Its known as international SUNday and we have got a number of approved solar viewing scopes and have been loaned 2 expensive ones for this event.

Ps we have Public liability insurance too

Many thanks

Ricky Byrne
Publicity & Events Coordinator

From: Sandy Astro <sandyastronomicalsociety@outlook.com>
Sent: 23 April 2015 13:14
To: Anne Elliott-Flockhart
Subject: Re: Advertising

Its just going to be a telescopic outreach, no food just turn up and look, its free and we had planned to set up using the bench at Berwick way end for ease of getting our equipment to and from the cars.

Unsure of numbers as its a case of whoever wants to come but will have at least 10members of SAS present and look at the sun, we will also have a quantity of solar glasses to give away to make sure people are doing it safely.

Its an international event so the whole world participates further info from the founding idea is here

http://solarastronomy.org/sunday.html

Ricky Byrne
Publicity & Events Coordinator

Visit us:
Website - www.sandyastronomicalsociety.moonfruit.com
Facebook - www.facebook.com/groups/SandyAstronomicalSociety
Twitter - @SandyAstroSoc

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On Wed, May 6, 2015 at 4:59 PM, Michael Sijuwade <michael.sijuwade@mylgcc.com> wrote:

Dear Cllr Will Jackson,

My name is Reverend Michael Sijuwade and I lead Sandy Community Church (SCC) that meet every Sunday at the Sandy Sports Centre. On behalf of Churches Together in Sandy and Beeston, we would like to seek permission from the Town Council in hosting a Fun-Day for residents of Sandy on the 8th August from 12:00 to 15:00. This is an initiative Churches Together in Sandy & Beeston will fund and give free of charge to the community. In order to host this Fun-Day, we would like to seek your permission to use the Recreational Park on Bedford road. The Fun-Day will consist of:

- Inflatable bouncy castles
- Slides
- Space Hoppers
- Games
- Craft Stalls
- BBQ
- and all these are free

We anticipate anywhere between 300 to 500 people to turn up on the day and as a result, we shall have stewards to man each activity. I am able and willing to meet with you or a member of your team to discuss this further.

For further details on who we are, please go to our website www.sandycc.com

Thank for your time. I look forward to your reply.

Kind Regards

Item 16 (c)

Carol Baker-Smith

From: Admin
Sent: 01 May 2015 14:06
To: Carol Baker-Smith
Subject: FW: Bedford Road Park - Triumph Wellbeing

From: simon desborough [mailto:triumphbootcamp@live.co.uk]
Sent: 01 May 2015 13:29
To: Admin
Subject: Bedford Road Park - Triumph Wellbeing

To whom it may concern,

In April 2013 I set up my own bootcamp business running exercise classes in the playing fields in Potton. We have since moved our evening classes and have been running them every Monday and Thursday. However, in January 2015 I decided to expand the classes and open them up to all ages and abilities around different times of the day/week.

I am extremely passionate on making a difference to the health and wellbeing of the people of Bedfordshire and I am looking to run similar sessions in Sandy and Biggleswade. I am aware there are bootcamp style classes running at the sports centre, but I am looking to run sessions in the morning and therefore not conflicting with any other sessions.

Thank you for your time and if you require any further information then please do not hesitate to contact me.

Regards,

Simon Desborough
Triumph Wellbeing

Sent from Windows Mail