



Geo-Environmental

MATERIALS MANAGEMENT PLAN (MMP)

for the land at

BOORLEY GREEN, PARCELS B4 & C6

WINCHESTER ROAD, BOORLEY GREEN,

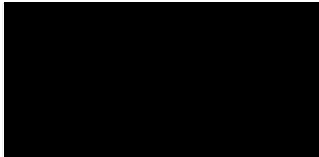
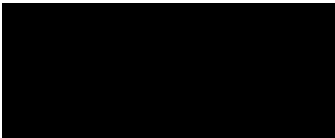
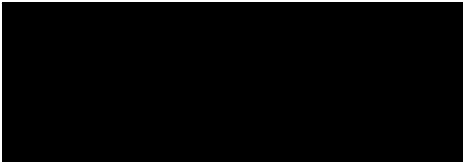
HAMPSHIRE, SO32 2UA

on behalf of

VISTRY SOUTHERN





Report:	MATERIALS MANAGEMENT PLAN (MMP)
Site:	BOORLEY GREEN, PARCELS B4 & C6, WINCHESTER ROAD, BOORLEY GREEN, HAMPSHIRE, SO32 2UA
Client:	VISTRY SOUTHERN
Date:	13/08/2021
Reference:	GE20232/MMP-B4 & C6/AUG21
Version:	1.1
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AMENDMENT RECORD

Revision ref.	Date	Reasons for amendment	Author's initials	Reviewer's initials	Approver's initials
1.0	12/08/2021	First issue	FG	SA	GR
1.1	13/08/2021	Update to incorporate minor amendments requested by QP	FG	FG	FG

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Figure 2	Site Plan Location of Parcel B4 and Parcel C6, Geo-Environmental, date August 2021
Figure 3	Cut and Fill Analysis Plan (Parcel B4), Abley Letchford Partnership, ref A170-LIN-B4-105 rev C2, dated February 2021
Figure 4	Cut and Fill Analysis Plan (Parcel C6), MJA Consulting, ref B1015-MJA-P6-XX-DR-C-900 rev P2, dated June 2021

APPENDICES

Appendix 1	Notification of Outline Planning Permission (App Ref No: O/12/71514), Eastleigh Borough Council, Dated 28 th November 2013.
Appendix 2a	Phase 1 Desk Study and Preliminary Intrusive Investigation, STL, Ref: J10856 dated 24 th Feb 2012. (Presented as Appendix A within the report provided as Appendix 2b)
Appendix 2b	Phase II Ground Investigation, Geo-Environmental Services Limited, Ref: GE9523/GIR/JT/OCT13, dated October 2013.
Appendix 2c	Addendum Letter Report to the Main Investigation, Geo-Environmental Services Limited, Ref: GE9523/aglrv1jt181113, dated November 2013.
Appendix 2d	Supplementary Ground Investigation, Geo-Environmental Services Limited, GE15030/GR02/160204 & GE15030/GR03/160208 & GE15030/GR04/160321.
Appendix 2e	Letter Report, Geo-Environmental Services Limited, GE15030-GR05-160714, dated July 2016.
Appendix 2f	Earthworks Specification for Boorley Green, Geo-Environmental Services Limited, Ref: GE15232/EWKSPEC/MAR16v1.1 dated March 2016.
Appendix 2g	Eastleigh Borough Council confirmation of Discharge of Planning Condition 30 (contamination) for the wider Boorley Green development site, dated November 2016
Appendix 2h	Environment Agency Planning Consultee Response Ref:1026012, dated 8 th November 2012 (No contamination Conditions requested)
Appendix 3	Example Tracking Forms



1.0 INTRODUCTION

1.1 General

Geo-Environmental Services Limited (Geo-Environmental) was instructed by Vistry Southern to produce a Materials Management Plan for the re-use of materials on the site of origin for the development at Boorley Green, Parcels B4 and C6, Winchester Road, Boorley Green, Hampshire, SO32 2UA (the site). The site's location is presented in Figure 1 with the location of Parcels B4 and C6 presented in Figure 2.

1.2 Site Context

At the time of writing, August 2021, the site comprised an active development site for a primarily residential land use. Prior to the site being a development site, it comprised a former golf course and associated open space and prior to that, farmland.

Parcel B4 and C6 form part of a wider development site. Previous investigations undertaken across the site covered the entire development area, including that of Parcels B4 and C6.

Ground levels varied across the entire site, both as the naturally occurring landform and with some localised re-profiling for golf course features.

The ground conditions beneath the site generally comprised clay and sandy clay of the Wittering Formation and London Clay Formation. However, sandy soils (Wittering Formation) were present in some areas of the eastern and south-western portions of the site.

1.3 Planning Conditions

Outline Planning Permission O/12/71514 (Appendix 1) dated 28th November 2013 was granted by Eastleigh Borough Council for the entire development site at Boorley Green for:

'Development of 1400 homes with access from Winchester Road and Maddoxford Lane (with upgrades to the Winchester Road/Woodhouse Lane Junction and Maypole roundabout), construction of Sunday's Hill Bypass and approaches, extension to existing hotel (including new conference and leisure facilities, 44 No. new bedrooms and car parking, creation of new local centre (incorporating energy centre, pub, assisted living accommodation, retail and employment floor space, including change of use of Braxells Farm House to employment, primary school, multi-purpose community building, sports and open space facilities including play areas, allotments and multi-use games area, and changing facilities, together with the construction of roads footpaths and cycle ways, and pumping stations.'

The following conditions were applied to the planning permission in respect of contamination:

Condition 30 - "No work shall commence on any phase of the development until the following has been submitted to and approved in writing by the Local Planning Authority for that phase:

- (i) A desk study and a conceptual model for each phase of site identifying the areas of the whole site requiring investigation;*



- (ii) *A site investigation report for each phase in accordance with the approved conceptual model in respect of that phase documenting the ground conditions of the site and incorporating chemical and gas risk assessment identified as appropriate by the approved desk study in respect of that phase and the Boorley Green Combined Phase 1 Desk Study and Preliminary Phase 2 Site Investigation Report for the whole site listed in condition 1 and in accordance with British Standards Institution Code of practice for investigation of potentially contaminated sites British Standard BS 10175:2011 and unless otherwise agreed with the Local Planning Authority;*
- (iii) *A detailed scheme (including a programme for implementation) for remedial works and measures to be undertaken to avoid the risk from contaminants and/or gases when each phase of the site is developed and proposals for future maintenance and monitoring. Such a scheme shall include nomination of a competent person to oversee the implementation of the works and development shall be carried out in accordance with the approved schemes.*

The development shall not be carried out otherwise than in accordance with the approved details.

Reason: To allow risk assessment and effective risk management solutions in order to minimise the risks of pollution and to ensure the site is satisfactorily decontaminated."

Condition 31 – "The development hereby permitted shall not be occupied/brought into use until there has been submitted to the Local Planning Authority verification by the competent person approved under the provisions of Condition 30 (iii) that any remediation scheme required and approved under the provisions of Condition 30 (iii) has been implemented in full in accordance with the approved details (unless varied with the written permission of the Local Planning Authority in advance of implementation). Unless otherwise agreed in writing with the Local Planning Authority such verification shall comprise:

- (i) Built drawings of the implemented scheme;*
- (ii) Photographs of the remediation works in progress;*
- (lii) Certificates demonstrating that imported and /or material left in situ is free from contamination.*

Thereafter the scheme shall be monitored and maintained in accordance with the approved scheme under Condition 30 (iii).

Reason: To minimise the risks of pollution and to ensure the site is satisfactorily decontaminated."

Parcel B4 and Parcel C6 are not located within the area of the wider site where remediation was deemed to be required. Letter Reports ref: GE15030-GR05-160714 by Geo-Environmental confirm that only specific areas of the site require remediation and that Parcel B4 and Parcel C6 are not one of these areas. No objections were raised from Eastleigh Borough Council or the Environment Agency and Condition 30 has been discharged for the wider Boorley development site. This confirmation of condition discharge is presented within Appendix 2g with confirmation that the EA did not request any contamination planning conditions presented within Appendix 2h.



2.0 MATERIALS MANAGEMENT

2.1 Definition of Waste: Development Industry Code of Practice

The Code of Practice (CoP) is seen as best practice for the development of land. It allows for a site specific determination of whether excavated materials are considered to be waste, or not, when it is proposed to use those excavated materials either directly or following successful treatment.

The process for the redevelopment of land not affected by contamination via the CoP involves:

- Adequate characterisation of the site and the materials to be excavated;
- Development of a Design Statement for land not affected by contamination;
- Production of a Materials Management Plan to show that the “four factors” have been adequately addressed and includes a Verification Plan;
- Review of the MMP and supporting information by an independent Qualified Person;
- Completion and submission of a Declaration by the Qualified Person, if content with the information provided to the Environment Agency and copied to the person commissioning the Qualified Person;
- Implementation of the MMP;
- Production of a Verification Report.

The MMP has to include details relating to the assessment of the development site, e.g. desk study and/or site investigation information to demonstrate that the material is suitable for the intended use.

The CoP requires that the following “four factors” are demonstrated:

- Pollution of the environment and harm to human health is prevented or not increased in reusing the excavated materials;
- The materials are suitable for use (without any further processing both geotechnically and geochemically);
- There is certainty of use (not just a possibility); and
- The quantity that is absolutely necessary (and no more) is used.

Suitable for use criteria have been established underpinned by several intrusive ground investigation undertaken on the Boorley Green site (Appendix 2a-2d), cut and fill plans (Parcel B4 Figure 4, Parcel C6 Figure 5) and generic assessment criteria for the proposed end use on the receiver site.

The acceptance criteria for reuse of materials within proposed gardens and soft landscaping areas is set out within the Ground Investigation Report for the site (Appendix 2b)

The Phase II Ground Investigation for the site (Appendix 2b) includes an assessment of where natural soils have been identified and assessed and classified for the site.

Evidence relating to certainty of use, in terms of the proposed development on the site is provided by the issued planning permission (Appendix 1a).

The quantity for reuse is detailed in the mass balance and cut and fill calculations for Parcel B4 presented in Figure 3, Cut and Fill Plan for Parcel B4, dated February 2021 and for Parcel C6 presented in Figure 4, Cut and Fill Plan for Parcel C6, dated June 2021.



Total Cut (m ³)	Total Fill (m ³)	Surplus Material (m ³)
31,106.9	4,514.6	26,591.9

Table 1: Summary of Cut and Fill Volumes (Parcel B4)

Total Cut (m ³)	Total Fill (m ³)	Required Import (m ³)
11,197	13,095	1,898

Table 2: Summary of required volumes at Parcel C6 (sub soil)

As such, it is proposed to undertake a transfer of 1,898m³, under the site of origin scenario.

It is acknowledged that there is a much larger volume of surplus material on Parcel B4 than the volume of material required on Parcel C6. As such, a separate Materials Management Plan has been written for a direct transfer of material from Parcel B4 to another development site.

If/where a shortfall of materials from source site Parcel B4 is identified, or additional materials are required to be imported to the receiver site these will be dealt with under separate declarations/appropriate duty of care legislation requirements as required.

2.2 Materials Management Plan form

This form should be completed once the lines of evidence have been marshalled in relation to suitability for use, certainty of use and quantity required.

The answers to the questions posed within this form together with the supporting information will constitute the MMP and must be provided to the Qualified Person.

A Qualified Person may comment on draft versions of this MMP, but will not complete the Declaration until all the relevant documents, demonstrating lines of evidence have been provided for each site.

The person / organisation who will pay the Declaration fee should confirm that they have read and understand the Terms and Conditions relating to the payment of the Declaration fee to CL:AIRE. Details are available on the CL:AIRE website.

The person / organisation agreeing to pay the Declaration Fee (where a declaration is required) - Name, organisation and contact details inc. email address -	Declaration Fee: David Postle Head of Technical Vistry Southern Central 40, Lime Tree Way Chineham Basingstoke RG24 8GU Contact Details: Email: david.postle@vistry.co.uk Tel: 01483 705100 Mobile: 07980 688959
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X I confirm I have read and understood the Terms & Conditions.

Materials Management Plan

1. Specify the scenario to which this MMP relates, as described in the Definition of Waste: Development Industry Code of Practice (DoW CoP) (1, 2, 3 or 4):

- X 1. Reuse on the Site of Origin
- ☐ 2. Direct Transfer of clean naturally occurring soil / mineral materials
- ☐ 3. Cluster Project
- ☐ 4. Combination of any of the above

In the case of a combination of reuse scenarios, please describe it below (e.g. (i) Reuse on Site of Origin and Direct Transfer of clean naturally occurring unpolluted soils, (ii) Reuse on the Site of Origin with Direct Transfer of clean naturally occurring soil to x number of development sites etc:

(NB: A Declaration is required for reuse on the Site of Origin and for any 2 site arrangement i.e. there is no facility for a combination Declaration)

2. Organisation and name of person preparing this MMP	Fiona Goode Senior Consultant Engineer Geo-Environmental Services Limited Unit 7, Danworth Farm, Cuckfield Road, Hurstpierpoint West Sussex BN6 9GL Email: fiona.goode@gesl.net Telephone: +44(0)1273 832 972 Mobile: +44 (0)7703 036394
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Materials Management Plan

Document Control

Date issued	12 August 2021
Revision date	
Summary of revision 1	
Summary of revision 2	
Summary of revision 3	

Insert additional lines to the document control table above for any subsequent revisions.

Note - revisions to the MMP do not trigger an additional Declaration by a Qualified Person, unless an additional site is added to the project.

Site Details

3. Site / Project name(s)	Boorley Green, Parcels B4 & C6, Winchester Road, Hampshire
Reuse / receiving site name	Boorley Green, Parcel C6, Winchester Road, Boorley Green, Hampshire, SO32 2UA
Donor site name (if Direct Transfer)	N/A

Landowners

4a. Name of Landowner(s) (full address and contact details) – where excavated materials are to be reused	Landowner/Developer: Vistry Southern Central 40 Lime Tree Way Chineham
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Materials Management Plan

	Basingstoke RG24 8GU Contact: David Postle Email: David.postle@vistry.co.uk Tel: 01483 705100 Mobile: 07980 688959
4b. Name of Landowner(s) (full address and contact details) – where excavated materials are arising from	Source Site 1 – Parcel B4 Boorley Green Vistry Southern Central 40 Lime Tree Way Chineham Basingstoke RG24 8GU Contact: David Postle Email: David.postle@vistry.co.uk Tel: 01483 705100 Mobile: 07980 688959

Summary and objectives

5a. Provide a brief description of the planned project and how excavated materials are to be reused within it.	The development works comprise the construction of residential units with areas of soft landscaping and private gardens. A deficit of material has been identified in relation to the construction levels for areas of foundation, driveways and garden areas on the receiver site, such that imported material is required to complete the works. As such it is proposed to reuse approximately 1,898m³ of clean naturally occurring soils on the site of origin, within Parcel C6. Where materials are to be excavated, they will be segregated into the material types identified and separately stockpiled on the site prior to transfer for use on the receiver site where required.
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	Following the works each section will be validated with respect to the placement of material in line with Section 26 of the MMP. If/where a shortfall of materials from Parcel B4 is identified, or additional materials are required to be imported to Parcel C6 these will be dealt with under separate declarations/appropriate duty of care legislation requirements as required.
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General Plans and Schematics

6. Attach a location plan for the site(s) and a plan of the site(s) which identifies where different materials are to be excavated from, stockpile locations (if applicable), where materials are to be treated (if applicable) and where materials are to be reused.	Plan Document Reference(s): Figure 1 Site Location Plan, Geo-Environmental, dated August 2021 Figure 2 Site Plan Location of Parcel B4 and Parcel C6, Geo-Environmental, date August 2021 Figure 3 Cut and Fill Analysis Plan (Parcel B4), Abley Letchford Partnership, ref A170-LIN-B4-105 rev C2, dated February 2021 Figure 4 Cut and Fill Analysis Plan (Parcel C6), MJA Consulting, ref B1015-MJA-P6-XX-DR-C-900 rev P2, dated June 2021
7. Attach a schematic of proposed materials movement. Where there is only one source area and one placement area briefly describe it. For all other projects a schematic is required.	Description & Schematic Document Reference: Please See: Figure 3 Cut and Fill Analysis Plan (Parcel B4), Abley Letchford Partnership, ref A170-LIN-B4-105 rev C2, dated February 2021 Figure 4 Cut and Fill Analysis Plan (Parcel C6), MJA Consulting, ref B1015-MJA-P6-XX-DR-C-900 rev P2, dated June 2021

Materials Management Plan

Parties Involved and Consultation – if more than one party please provide additional details for them and identify the location that they will be working e.g. where a site is zoned

8a. Main earthworks contractor(s) (full address and contact details) – Where excavated materials are to be reused	TBC by developer
8b. Main earthworks contractor(s) (full address and contact details) - Where excavated materials are arising from	TBC by developer
9. Treatment contractor(s) (full address and contact details) – for treatment on site of origin, or at a Hub site within a fixed STF / Cluster Project	No on-site treatment proposed.
10. Where wastes and materials are to be transported between sites, provide details of the transport contractor(s) (full address, contact details and waste carriers registration details (if applicable))	To be confirmed if/where required. Registered waste carrier will be used under appropriate duty of care so that the material will be taken to an appropriately licensed/authorised site.
11. Provide Local Authority contact details (full address and named contacts) where excavated materials are to be reused	Liz Harrison Principal Planning Officer Eastleigh Borough Council Eastleigh House Upper Market Street Eastleigh Hampshire SO50 9YN Tel: 02380 688000

12a. For the site where materials are to be reused and for Hub Site locations provide Environment Agency contact details (full address and named contacts):	Vic Jennings - Senior Environment Officer EPR Waste – West Solent & South Downs Area 20 Manners View, Dodnor, Newport, Isle of Wight, PO30 5FA Tom Wickens Technical Specialist - (Groundwater Quality and Contaminated Land) Solent and South Downs Romsey Office, Canal Walk, Romsey, Hampshire, SO51 8DU
<i>For all Cluster Projects:</i> 12b. Attach any relevant documentation from the EA relating to the excavation and reuse of the materials to demonstrate no objection to the proposals (see 3.37 of DoW CoP)	EA references: N/A Not a cluster project.
If the EA has not been consulted please explain why (see paragraph 3.39 of the DoW CoP).	N/A Not a cluster project.

Lines of Evidence

There is no one single factor that can be used to decide that a substance or object is waste, or when it is, at what point it ceases to be waste; as complete a picture as possible has to be created.

The following sections require completion to ensure the correct decision is made.

If a requested item is not relevant it is important to clearly state why this is so (e.g. no planning permission required because permitted development status exists).

Suitable for use criteria

13. Please describe or provide copies of the required specification(s) for the materials to be reused on each site.	Document Reference(s): Appendix 2a Phase 1 Desk Study and Preliminary Intrusive Investigation, STL, Ref: J10856 dated 24th Feb 2012. (Presented as Appendix A within the report provided as Appendix 2b) Appendix 2b Phase II Ground Investigation, Geo-Environmental Services Limited, Ref: GE9523/GIR/JT/OCT13, dated October 2013. Appendix 2c Addendum Letter Report to the Main Investigation, Geo-Environmental Services Limited, Ref: GE9523/aglrvt181113, dated November 2013. Appendix 2d Supplementary Ground Investigation, Geo-Environmental Services Limited, GE15030/GR02/160204 & GE15030/GR03/160208 & GE15030/GR04/160321. Appendix 2e Letter Report, Geo-Environmental Services Limited, GE15030-GR05-160714, dated July 2016.
<i>Where contamination is suspected or known to be present</i> 14a. Please provide copies of or relevant extracts from the risk assessment(s) that has been used to determine the specification for use on the site. This must relate to the place where materials are to be used. This must be in terms of (i) human health (ii) controlled waters and (iii) any other relevant receptors. If a risk assessment is not relevant for a particular receptor given the site setting please explain why below:	Document Reference(s): Made Ground soils were identified as part of the site wide investigations in two main locations on the site overall site: 1) Within the north-western corner of the overall site within the Phase 1 development area on the eastern boundary of the former driving range. Outside of the Parcel B4 and C6 development areas and has not been considered further herein. 2) An area of impacted soils within the south-eastern corner of the overall site, which is outside of the Parcel B4 and C6 development areas and has not been considered further herein.

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14b. Please attach any relevant documentation from the LA relating to the excavation and reuse of the materials to demonstrate no objection (see 3.37 of the CoP)	LA Document references: Appendix 2g Eastleigh Borough Council confirmation of Discharge of Planning Condition 30 (contamination) for the wider Boorley Green development site, dated November 2016
14c. Please attach any relevant documentation from the EA relating to the excavation and reuse of the materials to demonstrate no objection (see 3.37 and Table 2 of the CoP)	EA Document references: Appendix 2h Environment Agency Planning Consultee Response Ref:1026012, dated 8 th November 2012 (No contamination Conditions requested)
14d. Please attach any relevant documentation from any other regulators (if relevant) relating to the excavation and reuse of the materials to demonstrate no objection (see 3.37 of the CoP)	Document Reference(s): N/A.

<i>Where contamination is not suspected</i> 15a. Please attach copies or relevant extracts from the Desk Top Study that demonstrates that there is no suspicion of contamination.	Document Reference(s) Appendix 2a Phase 1 Desk Study and Preliminary Intrusive Investigation, STL, Ref: J10856 dated 24 th Feb 2012. (Presented as Appendix A within the report provided as Appendix 2b)
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	Appendix 2b Phase II Ground Investigation, Geo-Environmental Services Limited, Ref: GE9523/GIR/JT/OCT13, dated October 2013. Re-use on site of origin relates to clean naturally occurring materials only.
15b. Please attach copies of or relevant extracts from the site investigation/testing reports that adequately characterise the clean materials to be used (if appropriate).	Document Reference(s) Appendix 2b Phase II Ground Investigation, Geo-Environmental Services Limited, Ref: GE9523/GIR/JT/OCT13, dated October 2013. Re-use on site of origin relates to clean naturally occurring materials only.
15c. Please attach copies of any other relevant information (if available) confirming that land contamination is not an issue.	Document Reference(s) Appendix 2e Letter Report, Geo-Environmental Services Limited, GE15030-GR05-160714, dated July 2016. Appendix 2g Eastleigh Borough Council confirmation of Discharge of Planning Condition 30 (contamination) for the wider Boorley Green development site, dated November 2016. Appendix 2h Environment Agency Planning Consultee Response Ref:1026012, dated 8th November 2012 (No contamination Conditions requested)

NB: It is your responsibility to assess the nature of the material to be used and that it fits within the limitations of the scenario under which it is to be used

Materials Management Plan

Certainty of use

Various lines of evidence are required to demonstrate that the materials are certain to be used. This includes:

- The production of this MMP
- An appropriate planning permission (or conditions that link with the reuse of the said materials)
- An agreed Remediation Strategy(ies)
- An agreed Design Statement(s)
- Details of the contractual arrangements

Please identify in the following sections what lines of evidence relate to the site(s) **where the materials are to be used**.

16a. Planning Permission(s) relating to the site where materials are to be reused Please provide a copy of the relevant planning permission	Document Reference: Appendix 1 Notification of Outline Planning Permission (App Ref No: O/12/71514), Eastleigh Borough Council, Dated 28 th November 2013.
16b. Explain how the reuse of the excavated materials fits within the planning permission(s) for each site.	The development works comprise the construction of residential units with areas of soft landscaping and private gardens. A deficit of material has been identified in relation to the construction levels for area of foundation, driveways and garden areas.
16c. If planning permission is not required for any one site please explain why below e.g. permitted development, clean up of a chemical spill, surrender of an Environmental Permit, re-contouring within the existing permission.	N/A

<i>Where contamination is suspected or is known to be present</i>	Document Reference(s):
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17. Please provide a copy of any Remediation Strategy (ies) that have been agreed with relevant regulators.	Appendix 2g Eastleigh Borough Council confirmation of Discharge of Planning Condition 30 (contamination) for the wider Boorley Green development site, dated November 2016.
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<i>Where contamination is not suspected</i> 18. Please provide a copy of any Design Statement(s) that have been agreed (e.g. with the planning authority or in the case of permitted developments the client).	Document Reference(s): N/A
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Quantity of Use

19. Please provide a breakdown of the excavated materials for each site and how much will be placed at each site or sub area of each site. Where this is not specific to a single readily identifiable source refer to an annotated plan, schematic or attach a tabulated summary.	Document Reference(s): Figure 3 Cut and Fill Analysis Plan (Parcel B4), Abley Letchford Partnership, ref A170-LIN-B4-105 rev C2, dated February 2021 Figure 4 Cut and Fill Analysis Plan (Parcel C6), MJA Consulting, ref B1015-MJA-P6-XX-DR-C-900 rev P2, dated June 2021 Proposed re-use on site of origin of clean naturally occurring material from Parcel B4 to be reused on Parcel C6 approximately 1,898m ³ of material to form required construction/development levels.
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20a. How has consolidation/compaction being considered in the above mass balance calculations?	Assumed 1:1 ratio. Material to be compacted and therefore no bulking factor has been applied.
20b. How has loss due to treatment being considered in the above mass balance calculations (if applicable)?	No treatment proposed.

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20c. How has the addition of treatment materials being considered in the above mass balance calculations (if applicable)? Note - An exact figure is not required but one that is reasonable in the circumstances and can be justified if challenged.	Treatment is not proposed.
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Contingency arrangements

Explain what is to happen in the following situations and identify the appropriate clauses in the contract(s) (Such clauses must be provided to the Qualified Person, preferably as a summary document): or

21a. What is to happen to, and who is to pay for out of specification materials?	Reference: Materials to be re-used will be assessed from the site investigation data and compared to the soil specification and suitability for use criteria. The materials will be visually inspected upon excavation, loading and unloading. Any 'out of specification materials' will be set aside. The Site Manager will review any 'out of specification' materials and arrange for the material to be further assessed or to be taken off site to an appropriately authorised facility, under the appropriate duty of care. This will be at the cost of Vistry Southern or contracted to the ground works contractor as part of their appointment on site. (Written confirmation of which to be confirmed by Vistry)
21b. What is to happen to, and who is to pay for any excess materials?	Reference: Should excess materials be identified throughout the development the remaining works will be re-assessed to determine if the level of further excavation works, or level of imported materials can be reduced accounting for the excess volumes encountered. Where it cannot be demonstrated that there is a specific requirement or need for these materials on site, excess materials will be taken to an appropriately licensed facility. However, this is considered unlikely given the current deficit on the site and requirement to import materials for a phased approach on site. Where materials are required to be disposed on this will either be at the cost of Vistry Southern or contracted to the ground works contractor as part of their appointment on site. (Written confirmation of which to be confirmed by Vistry)

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21c. What happens if the project programme slips in relation to excavated materials or materials under -going treatment?	Reference: If there are any programme slippages other source sites will be considered if required for the donor site and the MMP updated and appropriate Declaration submitted. If there are slippages with respect to the donor site materials such that they cannot go to the receiver site other possible receiver sites will be considered/Register of materials or as a last resort disposal of the material.
21d. Other identified risk scenarios for the project (relating to excavated materials)?	Reference: None identified at this time.

The Tracking System

22a. For all sites please describe the tracking system to be employed to monitor materials movements.	- See example tracking forms in Appendix 3. - Material placement will be recorded on an annotated plan, site diary records. - Visual inspection of materials upon excavation and placement (name of individual, date and time) - Rejection of loads if not what was expected and details of where stockpiled on site prior to disposal if required.
<i>Where contamination is suspected or known to be present, state the procedures put in place to:</i> 22b. Prevent contaminants not suitable for the treatment process being accepted	Treatment of material is not proposed on the donor or receiver site.
<i>Where contamination is suspected or known to be present, state the procedures put in place to:</i> 22c. Prevent cross contamination of materials not in need of treatment, wastes awaiting treatment and treated materials	Treatment of material is not proposed on the donor or receiver site.

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Where contamination is suspected or known to be present, state the procedures put in place to: 22d. Demonstrate that materials that do not require treatment and successfully treated materials reach their specific destination	Treatment of material is not proposed on the donor or receiver site.
Where contamination is suspected or known to be present, state the procedures put in place to: 22e. Ensure that waste for off-site disposal or treatment is properly characterised and goes to the correct facility	Where materials are to be disposed of from site, they will be subject to waste characterisation and WAC testing, if not already classified, as part of the original soil investigation undertaken and the appropriate duty of care undertaken. Records of materials disposed of from site together with their description and end locations will be required as part of the works and kept in the site office the groundworks contractor with a copy provided to Vistry Southern and later in the Vistry Southern offices.
23. Please attach a copy of the tracking forms / control sheets that are to be used to monitor materials movements. To include transfer of loads on site into stockpiles prior to treatment (if applicable), stockpiled after treatment (if applicable), stockpiled awaiting use (as appropriate) and final placement.	Document reference(s) - See example tracking forms in Appendix 3 - Material transfer and placement will be recorded via delivery tickets and on an annotated plan, site diary records. - Visual inspection of materials upon excavation and placement (name of individual, date and time) - Rejection of loads if not what was expected and details of where stockpiled on site prior to disposal if required.
For Hub Sites within Cluster Projects & where materials need treatment before reuse 24. Please attach a copy of the Environmental Permit covering the treatment process. Alternatively, if the treatment is covered by a Mobile Plant Permit and associated Deployment	Permit reference / EA letter reference: N/A – not a cluster site.

Materials Management Plan

Form, attach a copy of the EA agreement to the Deployment Form.	
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Records

25. Where, and in what form, are records to be kept? Note – records e.g. transfer notes, delivery tickets, Desk Top Study, Site Investigation, Risk Assessment(s), Verification Report(s) need to be kept for at least 2 years after the completion of the works and production of the Verification Report	1) Will be kept on site by the groundworks contractor with a copy provided to Vistry Southern during the earthworks and development site works and then at Vistry Southern offices on completion of the works 2) The records will be kept for a minimum of two years in paper and electronic form from completion of the project.
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Verification Plan

26. Provide or explain the Verification Plan which sets out how you will record the placement of materials and prove that excavated materials have been reused in the correct location and in the correct quantities within the development works (see 3.4 of the DoW CoP).	The Verification Report (where required) shall include the following minimum details: General - Appropriate site plans – including surveys and photos of placed materials - Experience and qualifications of the person preparing the report. - Description of the project. - Description of how the use of materials links with the objectives of re-use at the site. Site Specific - Reference to site investigation data. - Reference to site risk assessments. - Reference to the MMP and associated tracking systems, including alterations made and why. - Details of any amendments required to the MMP and why. - Laboratory Analysis undertaken to demonstrate/verify suitability (if/where) required of the use as part of validation works. - Post earthworks/development topographical survey.
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	- Reference to any contingency arrangement (s) that had to be implemented. - Record of the quantity of materials used. - Copy of Declaration (s) by Qualified Person(s). <u>Development Dates:</u> Estimated Verification Report date – 30/01/2022 Verification Report to be compiled with input from Groundworkers, Vistry Southern and Geo-Environmental. Point of contact at this time for verification report is: Fiona Goode - Senior Consultant Engineer Geo-Environmental Services Limited, Unit 7 Danworth Farm, Hurstpierpoint, West Sussex BN6 9GL. Email: fiona.goode@gesl.net Telephone: +44 (0) 1273 832 972 Mobile: +44 (0)7703 036394
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