



Site Waste Management Plan

Project Name:	Sainsbury's, Saffron Waldon
Workstream:	Sainsbury's New Build
Project Type:	New Build
Project No:	TBC
Project Address:	Sainsbury's Thaxted Road Saffron Waldon
Start Date:	01/08/10
Completion Date:	01/06/11

SWMP Author:	Simon Smith		
Site Waste Manager:	TBC		
Date Issued:	01/09/09	Revision:	0

Waste Contractor (1):	TBA			
Address:				
Contact:				
Licence:		Checked:		Date:

Waste Contractor (2):	TBA			
Address:				
Contact:				
Licence:		Checked:		Date:

Waste Contractor (3):	TBA			
Address:				
Contact:				
Licence:		Checked:		Date:

Declaration
 The person in charge of the project and the principal contractor will take all reasonable steps to ensure that:
 (a) all waste from the site is dealt with in accordance with the waste duty of care in section 34 of the Environmental Protection Act 1990 and the Environmental Protection (Duty of Care) Regulations 1991; and
 (b) materials will be handled efficiently and waste managed appropriately

Person in charge of project (client)				
Signed				
Print name	TBA			
Organisation	SSL			
Position	PPM			
Date				

Principal contractor				
Signed				
Print name	S Smith			
Organisation	Longcross Construction			
Position	Project Manager			
Date				

This site waste management plan should be kept at the site during the project, and kept for two years after completion of the project

Project	Sainsbury's, Saffron Waldon
Site Waste Manager	Simon Smith



Use this form to record any decisions that have reduced the quantity of waste generated by the project. The Client has a key role in 'designing out' waste during pre-design and design stages.

Pre design and design:	Estimated waste savings
<p>The site is situated on an existing Civic Amenity And Recycling Centre As part of the development the levels of the site have raised to allow to reuse 13,000m3 A significant cut and fill exercise will be carried out totaling 11,750 m3 of this quantity there is approximately 4,650 m3 of There are signs of asbestos in the type1 & 2 surveys</p> <ul style="list-style-type: none"> • STATS REPORT – Ref 240378/dislet/03 • Thompson Street – Environmental Services – Asbestos Report • Telephone conversations with – Yourself and Farah Mohamed-Ramil • DMWR/A3/SDG3- 00020 17-09-2009 • DMWR/A3/SDG- 00811 17-09-2009 • DMWR/A3/SDG- 00815 17-09-2009 • DMWR/A3/SDG- 00816 17-09-2009 • DMWR/A3/SDG- 00835 17-09-2009 • Granit mound survey 	<p>13,000 m3</p>
Construction method:	Estimated waste savings
<p>At the moment the project has been designed as a traditional steel frame building, with a ground bearing slab &</p>	
Material choices:	Estimated waste savings
<p>TBA</p>	

Our ref: 240378/dlslet/03

1st June 2009

Mr David Lawal
Henry Riley LLP
The Lansdowne Building
2 Lansdowne Road
Croydon
CR0 2BX

Dear David

Proposed Sainsbury's Store, Thaxted Road, Saffron Walden

Further to your recent request, I am pleased to provide a brief summary of the potential risks posed to the above development from the former Civic Amenity and Recycling Centre (CARC) and former road salt storage area, previously referred to as Area 3. It is noted that this summary is based solely on the information provided by the previous phases of investigation and assessment provided by Geotechnical & Environmental Associates Limited.

Investigation of the soils beneath Area 3 has revealed a significant depth of made ground, recorded to a maximum depth of 17.0m below existing ground level. The made ground was considered to be attributable to the reported backfilling of a former on-site chalk pit with refuse during the 1970s. Chemical testing of the made ground soils revealed notable concentrations of lead, sulphate, chloride, polycyclic aromatic hydrocarbons and total petroleum hydrocarbons. In addition, a regime of monitoring recorded concentrations of carbon dioxide of up to 8.9% v/v. Furthermore isolated pockets of asbestos were detected within the made ground.

The previous reports assessed the risks posed to groundwater, end users, site workers, vegetation and buried services via the development of a Conceptual Site Model (CSM). The following advice is based on the previous CSM, but where appropriate updated to specifically relate to the current proposed development detailed in DMWR drawing reference DMWR/A1/S06/00011, dated 2009.

Groundwater

The previous investigations concluded that the made ground soils were unlikely to pose a significant risk of groundwater contamination due to the recorded insolubility of the identified contaminants and the significant depth to groundwater (>35m begl). It is noted however, that no groundwater testing or quantitative risk assessment has been performed to confirm this initial assessment made by GEA.

End Users

The proposal for hardcover to extend across this area of the site will effectively break any pollutant linkage between the made ground and end users. Should however further investigation identify a risk to end users from vapours or ground gases generated by the underlying made ground soils this risk could be simply mitigated by the incorporation of gas protection measures within the proposed development.

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- Structures
- Asbestos & Water Management
- Inspection & Quality Assurance
- UKAS Laboratory

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Site Workers

Where site workers are directly exposed to the made ground soils during redevelopment, basic measures will be required to protect their health and safety.

Vegetation

Areas of soft landscaping should be limited to sealed beds or planters to restrict infiltration. Furthermore, it is considered likely that clean soils would need to be imported to site to provide a suitable growing medium.

Buried Services

The made ground soils are considered likely to be aggressive towards buried plastics and highly aggressive towards concrete. Contingency should therefore be made for the use of barrier pipe for potable water supplies and the adoption of an appropriate design sulphate class for buried concrete.

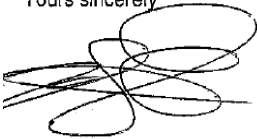
Conclusions

In summary, whilst significant concentrations of contaminants have been identified within the made ground underlying Area 3. The identified contaminants are unlikely to pose a significant risk to the current proposal to redevelop the site for retail purposes. Furthermore, should any pollutant linkages be identified during further investigations, it is considered likely that these could be mitigated by the incorporation of basic alleviation measures during redevelopment.

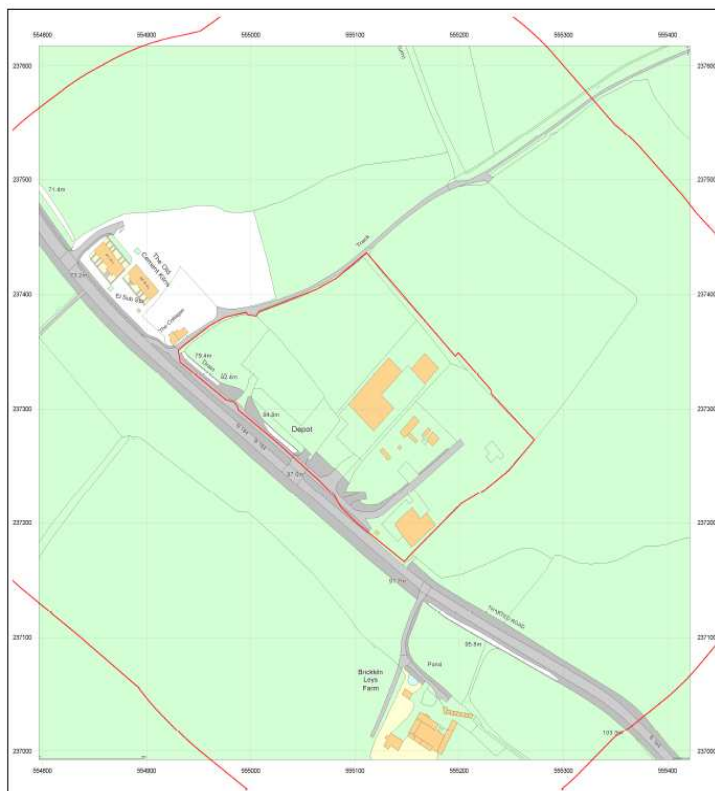
Whilst the main environmental liability associated with the acquisition of the site from Area 3 must remain the potential for contamination from beneath Area 3 to impact upon the underlying Major Aquifer, previous investigations undertaken by GEA have assessed this risk to be low. It should also be noted that the proposal will effectively reduce the potential for infiltration and leaching beneath the site, ultimately decreasing the current risk posed to the underlying Major Aquifer. It is however envisaged that further detailed assessment may be requested by the Environment Agency to confirm this risk prior to redevelopment, by conditioning their approval to any future planning applications. It is also noted that the Environment Agency are likely to restrict the use of shallow soakaways or SUDs for discharging surface waters.

I hope the above information is useful, should however you have any further queries please do not hesitate to contact me further.

Yours sincerely



Duncan Sharp
Principal Geo-environmental Engineer, Ground & Environment, STATS Limited



eMapSite

Site Details:
554767.237508

Client Ref: EMS_83802_104540
Report Ref: EMS-83802_104540
Grid Ref: 555109, 237305

Map Name: MasterMap
Map date: 2008
Scale: 1:2,500
Printed at: 1:2,500

2008

Generated from GroundSere Ltd's high resolution historical mapping archive. www.groundsere.com

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sales@emapsite.com

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Production date 27 April 2009



Project	Sainsbruy's, Saffron Waldon
Site Waste Manager	Simon Smith
Date review completed	

Total estimated quantity of waste		m ³
Total actual quantity of waste		m ³
% actual of estimated		%
% reused or recycled		%
quantity / m2 sales area		m ³ /m ²
estimated costs savings	£	

I confirm that the plan has been monitored on regular basis to ensure that the work progressed according to the plan and that the plan was regularly updated	
Signed	
Print name	
Organisation	
Position	
Date	

Comments on any deviation from the plan

Group	EWC			Material Description	Material Abbreviation
17 Construction and demolition wastes	17	01	01	Concrete	Concrete
	17	01	02	Bricks	Bricks
	17	01	03	Tiles and ceramics	Tiles & Ceramics
	17	01	06	* Mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances	Contaminated Mixed Masonry
	17	01	07	Mixtures of concrete, bricks, tiles and ceramics other than those mention in 17 01 06	Mixed Masonry
	17	02	01	Wood	Wood
	17	02	02	Glass	Glass
	17	02	03	Plastic	Plastic
	17	02	04	* Glass, plastic and wood containing or contaminated with dangerous substances	Contaminated Wood/Glass/Plastic
	17	03	01	* Bituminous mixtures containing coal tar	Bituminous Mixtures - Coal Tar
	17	03	02	Bituminous mixtures other than those mentioned in 17 03 01	Bituminous Mixtures - Non Coal Tar
	17	03	03	* Coal tar and tarred products	Tarred Products
	17	04	01	Copper, bronze, brass	Copper/Bronze/Brass
	17	04	02	Aluminium	Aluminium
	17	04	03	Lead	Lead
	17	04	04	Zinc	Zinc
	17	04	05	Iron and steel	Ferrous
	17	04	06	Tin	Tin
	17	04	07	Mixed metals	Mixed Metal
	17	04	09	* Metal waste contaminated with dangerous substances	Contaminated Metal
	17	04	10	* Cables containing oil, coal tar and other dangerous substances	Contaminated Cables
	17	04	11	Cables other than those mentioned in 17 04 10	Cables
	17	05	03	* Soil and stones containing dangerous substances	Contaminated Soil/Stones
	17	05	04	Soil and stones other than those mentioned in 17 05 03	Soil/Stones
	17	06	01	* Insulation materials containing asbestos	Asbestos Insulation
	17	06	03	* Other insulation materials consisting of or containing dangerous substances	Contaminated Insulation
	17	06	04	Insulation materials other than those mentioned in 17 06 01 and 17 06 03	Insulation
	17	06	05	* Construction materials containing asbestos	ACMs
	17	08	01	* Gypsum-based construction materials contaminated with dangerous substances	Contaminated Gypsum
	17	08	02	Gypsum-based construction materials other than those mentioned in 17 08 01	Gypsum
	17	09	01	* Construction and demolition waste containing mercury	Waste Containing Mercury
	17	09	02	* Construction and demolition wastes containing PCB (for example PCB-containing sealants, PCB-containing resin based floorings, PCB-containing sealed glazing units, PCB-containing capacitors)	Waste Containing PCBs
	17	09	03	* Other construction and demolition wastes (including mixed wastes) containing dangerous substances	Other Contaminated Waste
17	09	04	Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	Mixed Waste	
08 Wastes from the manufacture, formulation, supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks	08	01	11	* Waste paint and varnish containing organic solvents or other dangerous substances	Contaminated Paint/Varnish
	08	01	21	* Waste paint or varnish remover	Contaminated Paint/Varnish Remover
	08	02	01	Waste coating powders	Coating Powders
	08	04	09	* Waste adhesives and sealants containing organic solvents or other dangerous substances	Contaminated Adhesives/Sealants
	08	04	10	Waste adhesives and sealants other than those mentioned in 08 04 09	Adhesives/Sealants

Group	EWC			Material Description	Material Abbreviation
13 Oil Wastes and wastes of liquid fuels	13	03	01	* Insulating or heat transmission oils containing PCBs	Oils Containing PCBs
	13	07	01	* Fuel oil and diesel	Fuel Oil/Diesel
	13	07	02	* Petrol	Petrol
	13	07	03	* Other fuels (including mixtures)	Other Fuels
14 Waste organic Solvents, refrigerants and propellants	14	06	01	* CFC, HCFC, HFC	CFCs/HCFCs/HFCs
	14	06	02	* Other halogenated solvents and solvent mixtures	Halogenated Solvents
	14	06	03	* Other solvents and solvent mixtures	Solvents
15 Waste Packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified	15	01	01	Paper and cardboard packaging	Paper/Cardboard
	15	01	02	Plastic packaging	Plastic Packaging
	15	01	03	Wooden packaging	Wooden Packaging
	15	01	04	Metallic packaging	Metallic Packaging
	15	01	05	Composite packaging	Composite Packaging
	15	01	06	Mixed packaging	Mixed Packaging
	15	01	07	Glass packaging	Glass Packaging
	15	01	09	Textile packaging	Textile Packaging
	15	01	10	* Packaging containing residues of or contaminated by dangerous substances	Contaminated Packaging
	15	01	11	* Metallic packaging containing dangerous solid porous matrix (for example asbestos), including empty pressure containers	Contaminated Metal Packaging
	15	02	02	* Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Contaminated Absorbents/Textiles
15	02	03	Absorbents, filter materials, wiping cloths, protective clothing other than those mention in 15 02 02	Absorbents/Textiles	

Project stage		Questions to consider	Tick if 'Yes'	Comment:
Policy	1	Have you read the waste management policy?	<input type="checkbox"/>	
	2	Has the client signed the Site Waste Management Plan?	<input type="checkbox"/>	
	3	Have relevant sub-contractors producing significant wastes streams been identified?	<input type="checkbox"/>	
	4	Have the identified sub-contractors signed the Site Waste Management Plan?	<input type="checkbox"/>	
Procurement	5	Has a careful evaluation of materials been made so that over-ordering and site wastage is reduced?	<input type="checkbox"/>	
	6	Has full consideration been given to the use of secondary and recycled materials?	<input type="checkbox"/>	
	7	Is unwanted packaging to be returned to the supplier for recycling or re-use?	<input type="checkbox"/>	
	8	Can unused materials be returned to purchaser or used on another job?	<input type="checkbox"/>	
Project planning	9	Has responsibility for waste management planning and compliance with environmental legislation been assigned to a named individual at both main contractor and identified sub-contractors?	<input type="checkbox"/>	
	10	Has a project programme been developed to include likely waste arisings (how much, when, and what types)?	<input type="checkbox"/>	
	11	Has an area of the site been designated for waste management, including segregation of waste?	<input type="checkbox"/>	
	12	Have targets been set for the different types of waste likely to arise from the project?	<input type="checkbox"/>	
	13	Have measures been put in place to deal with expected (and unexpected) hazardous waste?	<input type="checkbox"/>	
	14	Has disposal of liquid wastes such as wash-down water and lubricants been considered?	<input type="checkbox"/>	
	15	Where relevant, has a discharge consent been obtained from the Agency?	<input type="checkbox"/>	
	16	Has agreement been sought from the sewerage company for trade effluent discharge?	<input type="checkbox"/>	
	17	Have opportunities been considered for re-use of materials on site?	<input type="checkbox"/>	

	18	Have opportunities been considered for re-use of materials off site?	<input type="checkbox"/>	
	19	Have opportunities been considered for on-site processing and re-use of materials?	<input type="checkbox"/>	
	20	Have opportunities been considered for reprocessing materials off-site?	<input type="checkbox"/>	
	21	Have you considered what are the most appropriate sites for disposal of residual waste from the project?	<input type="checkbox"/>	
	22	Are there opportunities for reducing disposal costs from waste materials which may have a commercial value?	<input type="checkbox"/>	
Site operations	24	Has responsibility for waste management on site and compliance with environmental legislation been assigned to a named individual?	<input type="checkbox"/>	
	25	Have toolbox talks been planned for all site personnel about waste management on site?	<input type="checkbox"/>	
	26	Are selected waste materials segregated to allow best value to be obtained from good waste management practices?	<input type="checkbox"/>	
	27	Are containers/skips clearly labelled to avoid confusion?	<input type="checkbox"/>	
	28	Are Duty of Care procedures complied with, including provision of transfer notes and checking authorisation of registered carriers, registered exempt sites and licensed waste management facilities?	<input type="checkbox"/>	
	29	Are any checks made that excavation waste is received at the intended site?	<input type="checkbox"/>	
	30	Is implementation of agreed waste management procedures monitored?	<input type="checkbox"/>	
Site operations	31	Are reports regularly produced regarding waste quantities and treatment/disposal routes, and on costs incurred?	<input type="checkbox"/>	
	32	During site operations, are barriers to good waste management practice considered and noted for incorporation into the post-completion review?	<input type="checkbox"/>	

Post completion	33	Has a final report of use of recycled and secondary materials, waste reduction, segregation, recovery and disposal, with costs and savings identified, been completed?	<input type="checkbox"/>	
	34	Has the final report been signed by the relevant sub-contractors and the client?	<input type="checkbox"/>	
	35	Have key waste management issues been considered for action at future projects?	<input type="checkbox"/>	