

Project Profile:

Lidl Store Refits- Desk Study, with Generic Risk Assessment & Foundation Design Recommendations

Remada

Former Site Use: Refit to existing Superstores

Value: £10,000

Due Diligence

Client: Lidl (UK) GmbH

Location: England - Various

Desk Study

Lidl (UK) GmbH commissioned Remada to investigate a series of existing store sites, prior to the construction of potential store refit.

Geoenvironmental investigations

Risk Assessment

Remediation Design

Abnormal Cost Assessment

MMPs & Declarations

Project Management

Decommissioning

Earthworks

Soil Remediation

Groundwater Remediation

Soil Stabilisation

EA Remediation Permit

Verification

Soil Treatment Facility

www.remada.co.uk

0845 505 5222

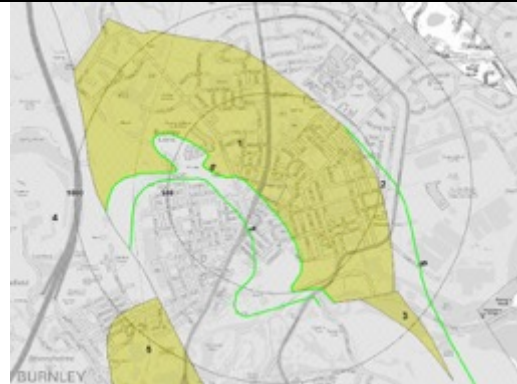







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	<p>The Phase 1 reviewed historical mapping, published geological, hydrogeological and environmental data in order to form a preliminary conceptual site model with possible pollutant linkages. Exploratory locations were then selected to:</p> <ul style="list-style-type: none"> enable investigation of soil and groundwater conditions environmental assessment; and geotechnical conditions relevant to the proposed retail development. 																																
<p>The ground investigation were planned to minimise disruption to customers and staff at the stores and enable continued trading.</p> <p>Works included window sample boreholes, standard penetration tests, hand shear vanes, standpipe installation, in-situ permeability and subsequent gas monitoring with a landfill gas analyser. Soils samples were tested at a UKAS accredited geotechnical laboratory for classification and strength tests, and at a MCERTS accredited laboratory for a suite of chemical analysis, and waste acceptance criteria.</p>	<table border="1"> <tr> <td>Core No:</td> <td>CS</td> <td>Date:</td> <td>11/09/2015</td> </tr> <tr> <td>Core Location:</td> <td>As shown on Figure 2</td> <td>Method of retrieval:</td> <td>HBI 00100 Diamond Drilling Rig 5/8in Core Diameter</td> </tr> <tr> <td>Core depth:</td> <td>~ 37m</td> <td colspan="2">  </td> </tr> <tr> <td>Ceramic tile:</td> <td>None</td> <td colspan="2">  </td> </tr> <tr> <td>Screen:</td> <td>17mm</td> <td colspan="2"></td> </tr> <tr> <td>Concrete:</td> <td>235mm</td> <td colspan="2"></td> </tr> <tr> <td>Weather / Conditions:</td> <td>Clear, Located indoors</td> <td colspan="2"></td> </tr> <tr> <td>Drawn by:</td> <td>Sebastian Mann</td> <td>Checked by:</td> <td>Greg Jones</td> </tr> </table>	Core No:	CS	Date:	11/09/2015	Core Location:	As shown on Figure 2	Method of retrieval:	HBI 00100 Diamond Drilling Rig 5/8in Core Diameter	Core depth:	~ 37m			Ceramic tile:	None			Screen:	17mm			Concrete:	235mm			Weather / Conditions:	Clear, Located indoors			Drawn by:	Sebastian Mann	Checked by:	Greg Jones
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	<p>Report were completed within four weeks of instruction and Preliminary design recommendations included:</p> <ul style="list-style-type: none"> shallow foundations – swelling /shrinkage resultant depth, bearing capacity or pile load capacity; assessment of ground sulphate class; and ground gas protection measures. <p>Contaminant concentrations were compared with generic assessment criteria for the protection of human health, and separately water resource quality standards.</p>																																