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client details:

PRO-CONSTRUCTION LIMITED  
4 MOUNTBATTEN PLACE  
ROSYTH, KY11 2HL

project title: GREYRIGGS CALIFORNIA, FALKIRK		drawing title: SITE LOCATION PLAN	
project no: G2012/355	drawing no: G2012/355/01/R/F/01	revision:	date: 09.05.13
		drawn by: PM	approved by:
			scale: 1:50,000

geotechnical • mining • environmental

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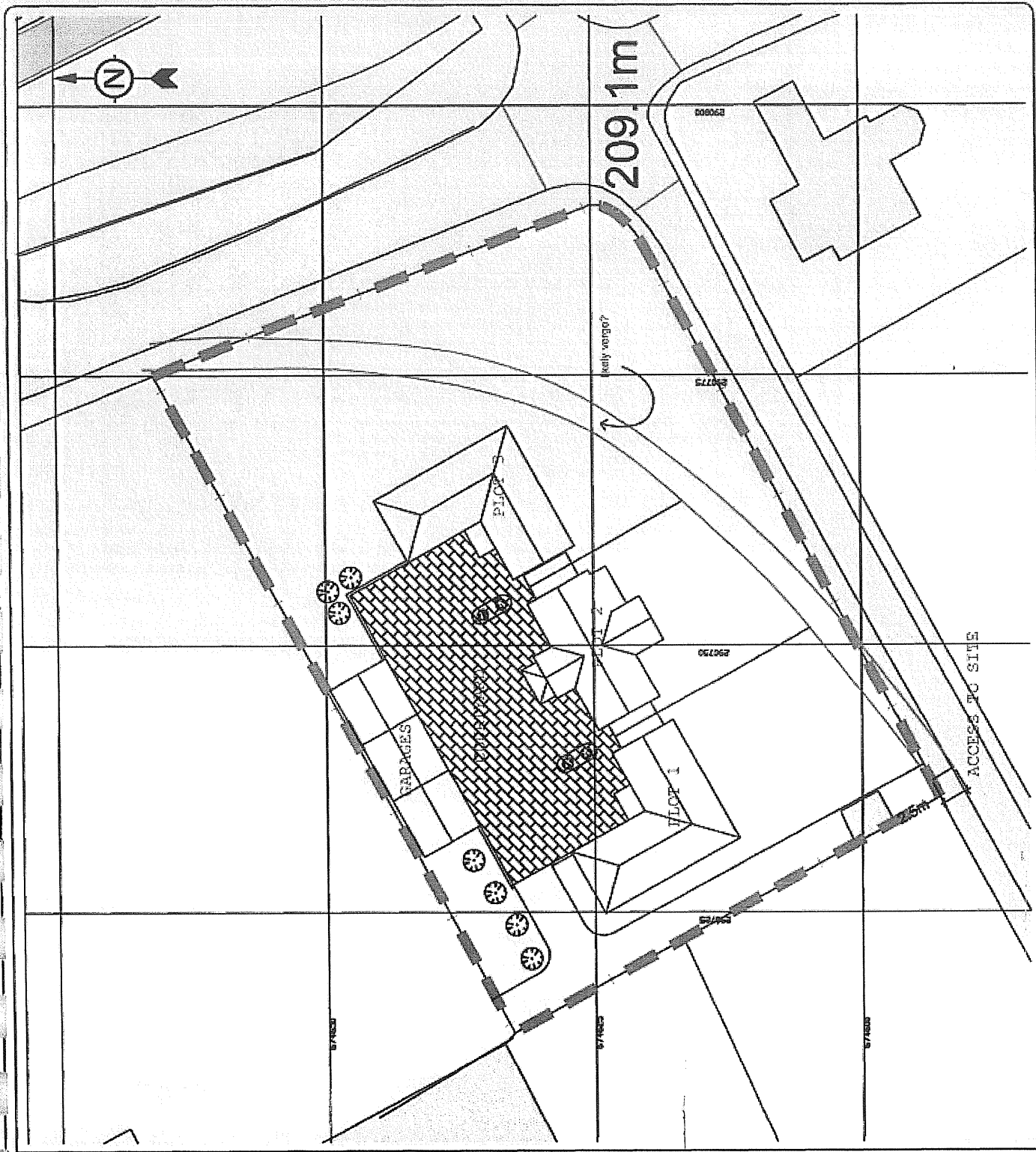


<b>NOTES</b> 1000 000 / 000 000 Site boundary		<b>DETAILS</b> DATE REV.		<b>PROJECT TITLE</b> PRO-CONSTRUCTION LIMITED 4 MOUNTBLATTEN PLACE ROSYTH KY11 2HL		<b>PROJECT TITLE</b> GREYRIGGS CALIFORNIA, FALKIRK		<b>DRAWING TITLE</b> PROPOSED DEVELOPMENT LAYOUT		<b>STATUS</b> PREP BY CHECKED BY PROJECT No.		<b>DATE</b> 09.05.13 09.05.13 G3012/355		<b>SCALES</b> 1:500 @ A3		<b>REVISION</b> G3012/355/01/03	
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## 2.0 SUMMARY OF DESK STUDY INFORMATION

### 2.1 THE SITE

- 2.1.1 A summary of the current site conditions as understood from the supplied survey information and site reconnaissance is included in Table 1. A site walk-over is presented in Appendix 1. Selected publicly available databases were undertaken (included in Appendix 2). An Envirocheck Report is presented in Appendix 3). A summary of the findings of these researches are also included in the table below:

TABLE 1 -Site Details and Review of Public Records

Address	Greyriggs Reservoir, Boxton Road California, Falkirk
National Grid Ref	290750,674630
Site Area	0.31
Topography	Essentially flat lying approximately 204mAOD.
Current Usage	Disused land
Proposed Use	Residential properties
Surface Water Bodies	None.
Groundwater	SEPA's RBMP datasheet indicated the groundwater beneath the site to be named 'Stirling and Falkirk bedrock and local sand and gravel aquifers'. In 2008, the water body was indicated to have an overall status of 'Poor with High confidence' and 'Poor' status in relation to chemistry and "Good" in relation to quantitative status.
Fresh Water Supplies	No private water sources were indicated to be located in the area.
Public Register Information	No registered landfills or waste transfer licenses are held for premises in the vicinity of the site. There were no recorded discharge consents exist within 500m of the site.
Radon	The site was not located in a Radon Affected Area therefore no radon protective measures are necessary.

### 2.2 SITE HISTORY

- 2.2.1 Information on the site's history of use was obtained through an inspection of available Ordnance Surveys maps. Historical maps dating from 1864 to the present day were reviewed. A summary of this information is presented below.

SITE HISTORY

OS Map	Description
1864 1:10,560	The site was indicated to be undeveloped land. The cross road junction currently present was indicated to be present to the south-east. Greyrigg Farm was indicated to be present approximately 100m to the east. A coal pit was indicated approximately 600m to the north-east.
1899 1:10,560	No changes to the site were indicated. Collieries were indicated approximately 500m to the north and north-east of the site.

1922 1:10,560	The site was indicated to be occupied by a bunded water reservoir, known as Greyrigg Water Reservoir. Collieries were present approximately 400m to the south-west and south-east.
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1957 1:10,560	No changes to the site were indicated. A further reservoir was shown to the east of the site. Greyrigg Cottage was indicated to the immediate south of the site. An old mine was present approximately 200m to the south-east of the site. The collieries previously indicated in the surrounding area were no longer shown.
1980 1:10,000	This survey did not show any significant change to the site from the previous edition. The mines previously indicated in the area were indicated to be occupied by spoil heaps.
2006 1:10,000	No significant changes were indicated within the site. A building was constructed to the immediate west of the site, which is understood to be Balnacree Farm.
2012 1:10,000	The reservoir appeared to be disused. Balnacree Farm was indicated to have been expanded to the immediate west of the site.

### 2.3 PUBLISHED GEOLOGY AND HYDROGEOLOGY

- 2.3.1 The British Geological Survey indicated the superficial deposits to comprise of glacial till approximately 20 m in thickness (Drawing Nos G2012/356/SI/R/F/04 and 5). Made ground may also be present given the previous site use. The underlying solid strata are indicated to comprise of sedimentary strata belonging to the Carboniferous Lower Coal Measures dipping to the north at approximately 6°. The Lower Drumgray Coal is indicated to be present at rockhead directly to the south of the site (Drawing No G2012/356/SI/R/F/06). There is recorded mining below the site.
- 2.3.2 The underlying drift deposits are recorded to be of low permeability. The underlying aquifer is indicated to be minor or moderately permeable aquifer.

### 2.4 PRELIMINARY CONCEPTUAL SITE MODEL

- 2.4.1 In order to fully evaluate the potential presence and impact of contamination at the site, the area must be considered in an environmental context taking account of its geology, topography and past and present land-use. Science Report SC050021/SR3, published by the Environment Agency in January 2009, supersedes the previous Contaminated Land Reports (CLR7 to CLR10 and briefing notes) series and provides standard guidance for the assessment of sites that may be contaminated. This essentially highlights the importance of developing a robust *Conceptual Site Model*. The model then forms an integral part of the contamination assessment for the proposed development site, looking at conventional source-pathway-receptor linkages.