

Ground Stability Declaration Form

Site Name	Site Address	Development Control Area
New Road, Sharow	HG4 5BS.	C
CATEGORY	QUESTION	YES/NO/?/N/A
A) Competent Person	(i) Has the report been prepared by a Geotechnical Specialist, as defined by the ICE Site Investigation Steering Group, (Anon, 1993) (see overleaf)	Yes
B) Site History	(i) Has the site been affected by known historical ground instability problems?	No
	(ii) Is the site located within or adjacent to, or does it contain any subsidence features as identified on the development Guidance Map, or on updated information held by Harrogate Borough Council?	Yes
C) Site Inspection	(i) Has a detailed site inspection been carried out?	Yes
	(ii) Does the land within or adjacent to the site bear any geomorphological evidence of former, on-going or incipient ground instability?	Yes
	(iii) Does the site or neighbouring property bear any evidence of structural damage or repairs which might be associated with ground instability?	No
D) Geotechnical Desk Study	(i) Have any previous ground investigation reports and/or borehole records from this site been consulted?	No
	(ii) If yes, is this information adequate, reasonably to confirm the presence or absence of gypsum* and the presence or absence of cavities or founded strata which could affect the stability of the site?	
	(iii) If yes, have any cavities or founded strata been identified beneath the site?	
	(iv) Have any massive gypsum beds (greater than 1m thick) been identified in contact with underlying limestone beneath the site?*	
E) Ground Investigation	(i) Has a ground investigation been carried out in support of this application?	No
	(ii) If yes, is the information obtained adequate, reasonably to confirm the presence or absence of gypsum* and of cavities or founded strata which could affect the stability of the site?	
	(iii) If yes, have any cavities or founded strata been identified beneath the site?	
	(iv) If yes, have their locations and dimensions been properly identified?	
	(v) Have any massive gypsum beds (greater than 1m thick) been identified in contact with underlying limestone beneath the site?*	
F) Evaluation of Stability	(i) Is the information, available under B, C, D and (where applicable) E above adequate, reasonably to assess the stability of the site?	No
	(ii) If yes, can ground instability reasonably be foreseen within or adjacent to the site within the design life of the proposed development, allowing for any deterioration of ground conditions caused by the development itself?	
	(iii) If yes, can such instability be reduced to a reasonable level by the use of appropriate and cost effective mitigation measures?	
G) Mitigation Measures	(i) Have mitigation measures been proposed with respect to ground instability issues?	No
	(ii) If yes, are these designed to reduce the effects of any actual or potential instability to a reasonable level?	
	(iii) If yes, are these likely to have any adverse effects on the stability of other, adjacent sites (for example by affecting the existing groundwater regime within the area)?	
H)	Name, qualifications and signature of person responsible for this report	
	Name	Mark Perrin
	Qualifications	BSc, MSc, CGeol
	Year of becoming a Geotechnical Specialist as defined by the ICE Site Investigation Steering Group (see overleaf)	1996
	Signature	
	Company represented	Lithos Consulting Ltd

* note: the presence or absence of gypsum needs to be confirmed only within Development Control Area C

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Competent Persons

The preparation of ground stability reports in accordance with the requirements outlined above is a technical task, demanding expertise and experience in engineering geology, geomorphology, hydrogeology, geotechnical engineering and foundation design. For this reason the Borough Council will require such Reports to be prepared by a 'competent person' (or persons) with proven expertise in all of the above fields. As a minimum requirement, the 'competent person' must qualify as a Geotechnical Specialist, as defined by the institution of Civil Engineers' Site Investigation Steering Group report: "Without Site Investigation, Ground is a Hazard" (Thomas Telford publications, London, 1993), and ideally, should have experience in the investigation and remediation of gypsum-related subsidence problems within the Ripon area.

More specifically, the person involved in logging any new boreholes must be capable of distinguishing the various forms of gypsum and anhydrite from limestone.

It is in your interest to ensure that the person or firm appointed carries professional indemnity insurance for the advice and opinions expressed in their reports.

Membership of the UK Register of Ground Engineering Professionals (UK RoGEP), or similar, would be accepted as confirmation that the relevant criteria have been met.