

Hazelton, Laura

Subject: FW: 1 Guilford Street

From: Joel Slater [REDACTED]

Sent: 30 January 2017 16:24

To: Stanley Haines [REDACTED]; Matthew Proctor [REDACTED]

Cc: Piers Carlisle | Haines Phillips Architects [REDACTED]; Philip Hudson [REDACTED]

Subject: RE: 1 Guilford Street

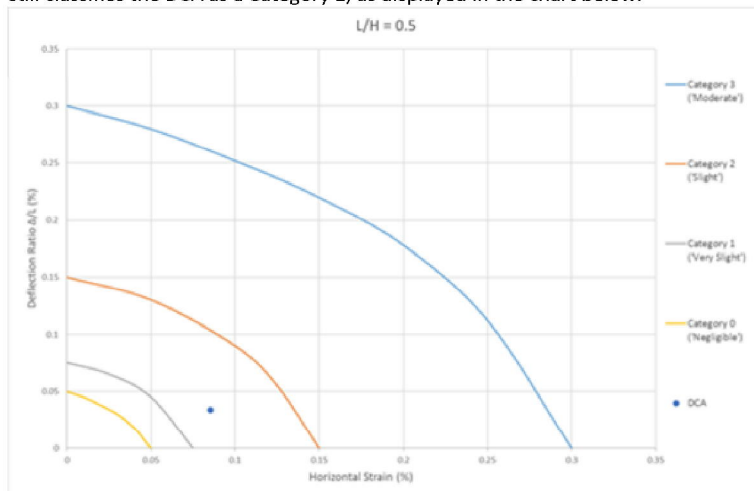
Dear Stanley,

I believe Campbell Reiths concern is with the removal of the Ball et al correction from the Damage Category Assessment (DCA). Removing this will base the DCA on CIRIA C580 guidance only as no settlement is predicted near this location.

This will update Table 5 in the report to the following:

Table 5: Potential approximate movements of ground immediately alongside the bored pile wall, below rear projection to No.137		
High support stiffness – 11.0 m deep wall / 2.8 m depth of excavation		
Ground surface movements due to:	Horizontal movement	Vertical movement
Bored pile wall installation:	0.04% of wall depth = 4.4 mm	0.04% of wall depth = 4.4 mm
Excavation in front of wall:	0.15% of excavation depth = 3.5 mm	0.10% of excavation depth = 2.3 mm
Totals:	7.9 mm	6.7 mm

This will only affect the horizontal strain in the assessment, increasing it to $\epsilon_h = 8.53 \times 10^{-4}$ (0.085%). This increase still classifies the DCA as a Category 2, as displayed in the chart below.



We can therefore confirm that the ground movements cause a *maximum* of Damage Category 2 in adjacent structures.

Kind regards,
Joel

Stanley Haines
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