

LD14004

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STRUCTURAL IMPACT STATEMENT

Proposed reconstruction of low level Retaining Wall to rear left of Denyer House, London NW5 1BJ

Background.

A 15m length of low brick retaining wall flanking the paving to the rear left of Denyer House has failed. It is proposed to replace the affected section with a new reinforced masonry wall.

Scope of works.

The works are described on Whymark and Moulton drawing 13/172-05.

The 15m long affected section of wall extends forward from a pram store adjacent to the rear boundary. The forwardmost part of the pram store will be temporarily exposed in the narrow foundation excavation. Subject to what the excavation exposes, its structure will remain intact. The pram store and the rear boundary a metre or so beyond will remain unaffected by the work.

A narrow section of the embankment retained by the wall will be excavated to facilitate construction of the new wall. The excavation will be about one metre wide and remain some distance from the recently rebuilt section of boundary wall to the North.

Outline Method

- 1 Establish secure site hoarding to safely isolate the work area.
- 2 Take down the 15m section of retaining wall forward of the pram store, simultaneously excavation the retained embankment to form a safely battered working space behind the wall. The pram store to remain undisturbed through-out the works.

- 3 Break-out concrete paving between front of wall and line of surface water drain.
- 4 Excave for foundation and expose surface water drain in front of wall.
- 5 Blind foundation excavation.
- 6 Fix reinforcement.
- 7 Cast foundation and encase surface water drain in mass-concrete.
- 8 Erect cellular concrete block wall to levels indicated and to suit existing embankment profile including brick ties for brick facing.
- 9 Build brick facing and bullnose coping.
- 10 Apply rear face moisture barrier.
- 11 Back-fill behind wall.
- 12 Renew low side paving as specified.
- 13 Sow grass seed or re-turf as specified.

Designer's Risk Assessment

Hoard and securely isolate working area at all times to prevent accidental access by residents or public.

Wall demolition and excavations by mechanical means. No work operatives in unshored or exposed excavations until battered to a safe angle appropriate to soil type.

Wear PPE including dust protection.

This is a public area. Control dust by damping down. Clean-up frequently.

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