



Our Ref: 2714/MJ

Date: 16 Nov 2017

Method Statement: Rev A

High Holborn – New Basement Extension

- Footpath to be closed, hoarding to be erected around the area of works and site to be prepared ready for piling.
- 20.3m long contiguous piled wall, 450mm diameter, to be formed parallel to and, 2.93m away from the existing stone façade, to a depth of 10m.
- 15No. CFA piles, 450mm diameter, in groups of 3, to be installed to a depth of 25m within the boundary of new contiguous piled wall. Piles to be finished at existing street level.
- Existing ground, within the boundary of new contiguous piled wall, to be carefully excavated to a depth of approx. 3.61m. Excavation to be no lower than the existing concrete foundations.

Note: Any existing services buried in this zone to be repositioned, in conjunction with the Local Authority, in a newly formed trench outside of the working zone. All services are to be located prior to any piling works commencing.

- 5No. reinforced concrete pile caps to be installed over the new piles to the newly excavated basement level. Piles to be cut down to the basement level prior to installing the caps. The pile caps are to be installed as close to the existing building as possible without disturbing the existing concrete foundations
- New reinforced concrete slab to be constructed between the new pile caps. Exact levels to be determined to suit pavement level details.
- Contiguous piled wall to be rendered with Sika 1 structural waterproof render system (or similar approved).
- Walls to receive a Bituthene tanking membrane.
- New 200mm thick reinforced concrete wall to be constructed in front of the waterproofing to the perimeter of the newly formed basement room.
- New reinforced concrete columns to be constructed off the newly formed pile caps.
- New reinforced concrete roof installed from the newly formed columns to the top of the contiguous piles.
- Pavement level reinstated in conjunction with Local Authority specification.

Bloomsbury Street – New Basement Extension

- Process described above to be carried out along Bloomsbury Street creating a 32m x 6.9m basement area.

Internal Works – Remodelling Front of House Areas

- Existing toilet and bar facilities to be remodelled to increase the capacity to modern requirements. These works will require minor structural alterations.

- Stair 1 to be extensively remodelled to provide access to the new basement area. Existing concrete stairs and supporting masonry will be removed (following temporary propping) and replaced with new low-profile stairs that will visually link the ground and basement floors. Structural steel framing will be used to replace walls which are to be removed. Loads will be spread to foundation level using spreader beams on low level existing walls
- Stair 3 will be removed at first and second floor level and will be replaced with usable space for the theatre patrons. New floors will consist of steel beams built into existing masonry, supporting new composite floors such as Richard lees hollow rib.
- New structural opening formed through existing external walls into the new basement construction.