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Project No.	Project Title
16/017 - Rev. A	Ugly Brown Building, Plot A.

Sheet Ref.	Prepared By	Date
01	R. Djajasaputra	30/06/20

Plot A, Canal steel sheet pile retaining wall stability method statement.

Please refer to RSK Report dated the 19th. May 2020 ref. 371654-L01 (00), Appendix C – Design Case 4 pages 271 to 340 for the temporary stability checks on the Canal steel sheet pile retaining wall for the plot A.

The above report on the stability checks have been based on temporary conditions with maximum excavation depth of 4m deep with temporary props along the top of the existing steel sheet pile RC capping beam at 5m centres.

We are proposing to construct a new basement at levels of 18.000 over the existing Thames Water sewer and 17.200 for the rest of the basement area which will provide excavation depth of approximately 5.7m and 6.5m below the top of the existing steel sheet pile RC capping beam. However, we will be installing new 900mm diameter contiguous piled wall approximately 3.6m behind the existing canal steel sheet piled wall and the historic brick retaining wall.

Method Statement for the Proposed Basement Construction.

1. Propose piling formation level adjacent to the canal will be at level of 23.000 AOD.
2. Install new 600mm diameter isolated piles 1.8m away from the existing steel sheet pile RC capping beam. Please refer to our drawings nos. S 1600, 1990, 2000, 2402 and 2406.
3. Install new 900mm diameter contiguous piled wall 3.60m away from the existing steel sheet pile RC capping beam which will be form part of the permanent basement wall. Please refer the drawings above.
4. The existing historic brick retaining wall and the canal steel sheet pile wall will be left in-situ.
5. The new 900mm diameter contiguous piled wall will be designed by the specialist piling contractor to support the new proposed basement during the construction and permanent stages. Temporary props may be provided where is required. However, the contiguous piled wall be will restraint both at ground floor and basement levels at the final stage.