

KEY

- ① 8H12 longitudinal bars (4T, 4B)
- ② 8H12 dowel bars bent straight on site



- ③ H10 overlapping 'U' bars
- ④ Underside of existing foundation to be thoroughly cleaned and scrabbled and any loose material removed prior to casting concrete
- ⑤ Joint between bays consist of expamet hyrib permanent shuttering. Place 1200g hyrib and dowels. Remove polythene on excavation of adjacent bay.
- © 75mm (1:3 cement/sharp sand) dry pack well rammed in
- ② Surface to be reinstated as existing
- Backfill to working space to be 300mm concrete plug or as detail with dot type 2 or as raised inert selected granular material compacted in 150mm maximum layers over
- 1200 Indicated nominal minimum depth of underpinning based on trial hole information and investigation
- * Engineer to inspect and determine extent and depth of underpinning

NOTES

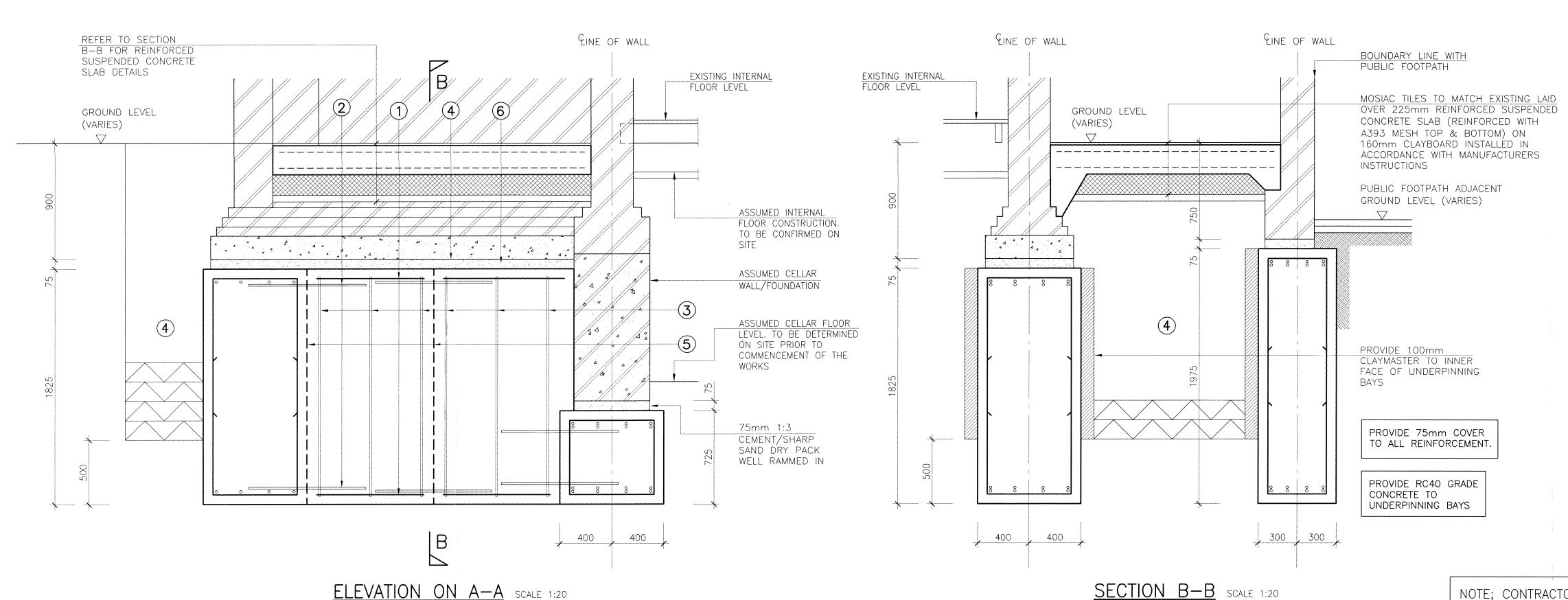
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE STARTING WORK.
- 2. IT IS ESSENTIAL TO READ THIS DRAWING IN CONJUNCTION WITH THE SPECIFICATION.
- . THE DESIGN ASSUMES NATURAL CLAY WITH ALLOWABLE BEARING PRESSURE OF 100KN/SQ.M AT THE UNDERPINNING FORMATION.
- . UNEXPECTED CONDITIONS MUST BE REPORTED TO THE ENGINEER IMMEDIATELY SO THAT THE DESIGN CAN BE REVIEWED AND ALTERED IF NECESSARY.

HEALTH AND SAFETY

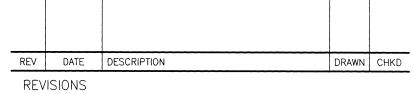
- The contractor is responsible for identifying hazards and for carrying out risk assessments and for taking all necessary precautions to eliminate or reducer risks so far as reasonably practicable. The Engineer can advise if required.
- . The following hazards are known:
- Collapse of excavations. All excavations to be shored.
- Instability of building being underpinned: Maximum single length of building to be left unsupported = 1200mm. No more than 4No. legs to be left unsupported. Maximum percentage of excavation on any elevation not to exceed 25%. Minimum distance between unsupported legs = 3600mm. Working space may not be excavated outside the unsupported legs. "Unsupported" applies to the period between start of excavation for working space and 12 hours after hard packing. Provide sacrificial props/stools if necessary at centers to suit the site conditions to archive stability of wall over.
-) Underground services. Services may be present. Contractor to check and locate.
-) Building to remain occupied: Contractor to agree with residents areas of control and access.
- Silica dust from breaking out: dampen down to avoid dusting. PPE essential.
- i) Exposure to noise: ears defenders essential.
- ii) Expose to exhaust fumes: vent to external

HEALTH & SAFETY

THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE STABILITY OF THE WORKS AND SERVICES AT ALL STAGES OF CONSTRUCTION. ALL TEMPORARY WORKS DESIGN AND INSTALLATION ARE THE RESPONSIBILITY OF THE CONTRACTOR



NOTE; CONTRACTOR TO OBTAIN PLANNING CONSENT AND BUILDING REGULATIONS APPROVAL PRIOR TO COMMENCING WORK ON SITE



This drawing is to be read in conjunction with all other Engineer's drawings and all other project information. Any discrepancy between the Engineer's drawings and other project information is to be reported to the Engineer immediately.



111 WEST END LANE LONDON **ESSEX** NW6 4SY

UNDERPINNING AND BAY RECONSTRUCTION DETAILS

Client

GAB ROBINS

AS SHOWN @ A1 NOV 2012 Job Manager BTB

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Drawing No. 44434/S/01

Drawing Status ☐ INFORMATION APPROVAL ☐ COSTING ☐ CONSTRUCTION ☐ AS CONSTRUCTED