

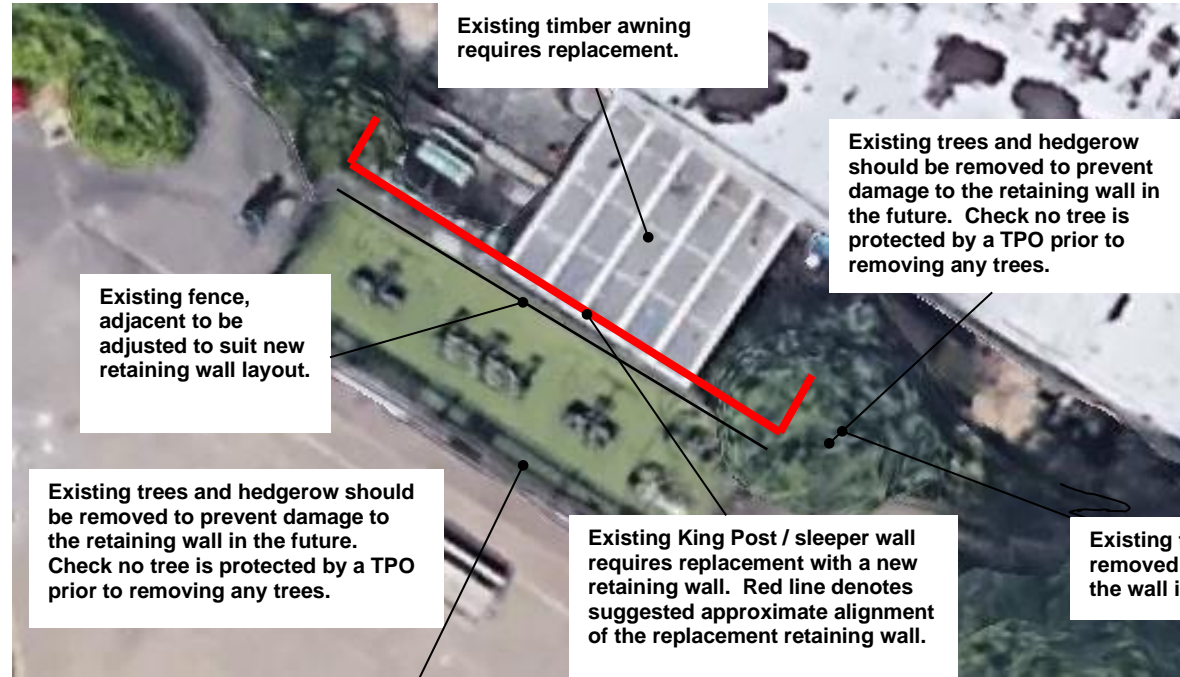
General Notes

CONCRETE DURABILITY: All concrete in the lias clay to Design Sulfate Class (DS) DS-2 and Aggressive Chemical Environment for Concrete Class (ACEC) AC-2. Aggregate to concrete to be a maximum 20m to BS 8500-1:2006.

All concrete to the foundations is to be designated mass concrete to be FND2 to BS 8500-1:2006, consistence class S3. Use only the permitted cement combinations from Table A.6 BS 8500-1.

All workmanship, materials and loadings must be in strict accordance with the latest editions of the British Standards Codes of Practice, Building regulations and manufacturers' specifications and recommendations.

DO NOT SCALE FROM THIS SKETCH. IF IN DOUBT ASK



INDICATIVE KEY PLAN OF EXTERNAL RETAINING WALL

Standard Notes

Discrepancies shall be reported to the Engineer. Read this in conjunction with all relevant drawings and calculations. All workmanship, materials and loadings must be in strict accordance with the latest editions of the British Standards Codes of Practice, Building regulations and manufacturers' specifications and recommendations.

The design sketch is based on a limited inspection and measure by MBE for the purposes of preparing these designs.

The existing bank is assumed to be constructed with sound materials and is assumed to be stable. Care should be taken when excavating the slope and the bank should be graded to a shallow batter in the temporary case to enable the wall to be built. The existing services (electricity, etc..) should be made safe and diverted as necessary. No accurate utilities records have been made available so it is important the services are mapped prior to the works commencing.

Any discrepancies shall be reported to the Engineer prior to installation.

Checks carried out on permanent stability of the retaining wall only.

It is assumed that the contractor shall implement all necessary works (temporary support) to ensure temporary stability is maintained at all times. The contractor is responsible for site setting out and should check all dimensions to ensure the design fits.

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Brickwork to be FL or FN clay bricks, minimum density 2000kg/m³. Mortar designation to be 1:1/4:3 [mortar grade class (i)].

Use min 10.4 N/mm² dense concrete, minimum density 2000kg/m³ masonry retaining wall stem, stepped as dimensioned.

Movement joints (MJ) to be vertical, extending through brickwork / blockwork and coping (refer to Architect), width 15mm, filled with polyethylene foam strip and sealed in accordance with Architect's requirements. Typically MJs at max 6m c/c.

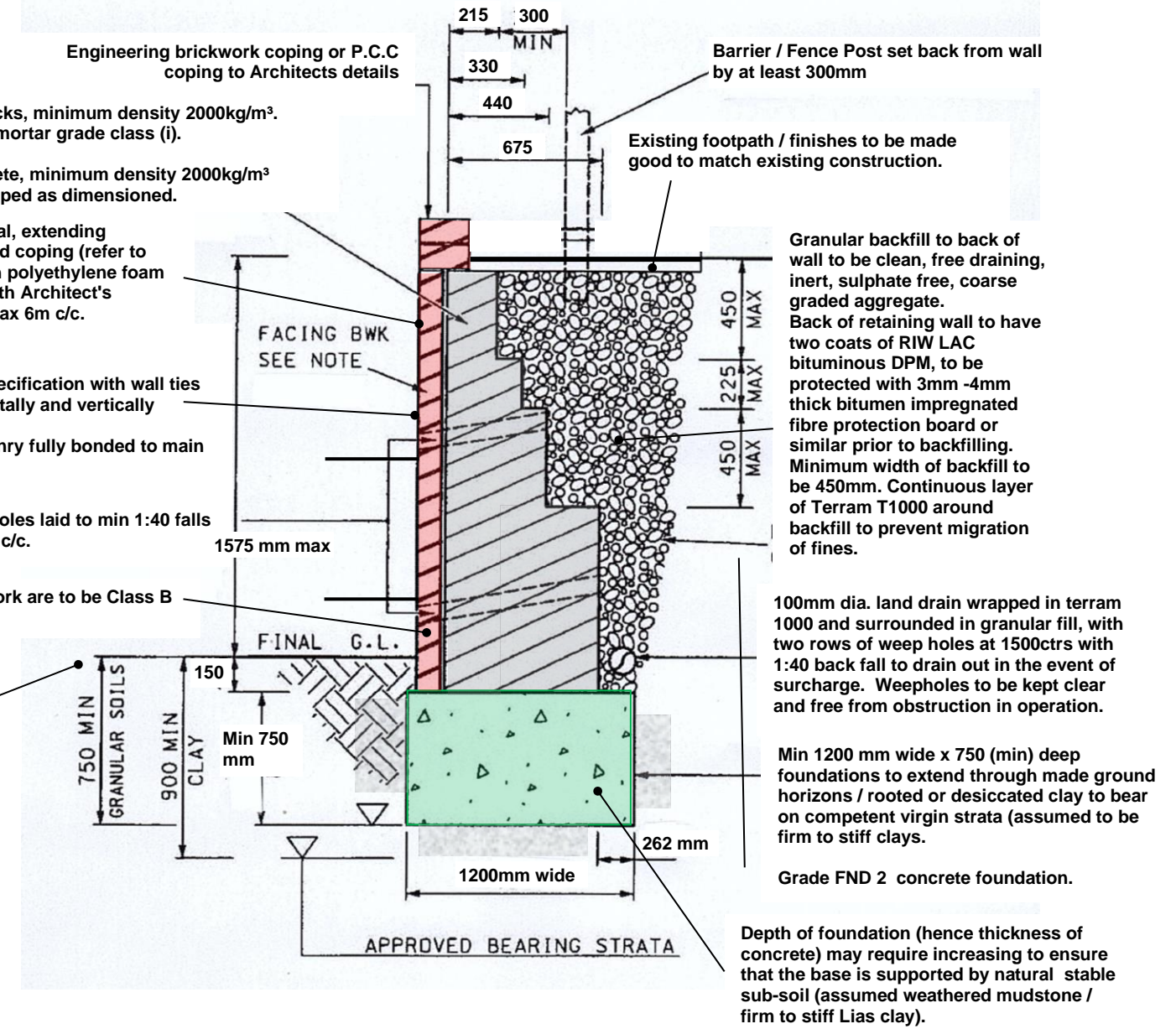
Either:

Brick facing skin to Architects specification with wall ties to DD140 max. at 450ctrs horizontally and vertically or 10.4 N/mm² dense concrete masonry fully bonded to main stem of wall.

Min 50mm dia weep holes laid to min 1:40 falls at maximum 1500mm c/c.

Lowest courses in facing brickwork are to be Class B Engineering brick.

Existing footpath / finishes to be made good to match existing construction.



REPLACEMENT EXTERNAL RETAINING WALL SECTION

Maximum retained height from TFL to ground at back of wall 1725mm

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Project	Project no	SKETCH SHEET	
Harewood Infants School – Replacement External Retaining Wall	MBE-2023-066		
Description	By	Date	
Replacement External Retaining Wall Typical Details and Notes	MAB	April 2024	
		Sketch Number	Revision no
		SK RW01	v1