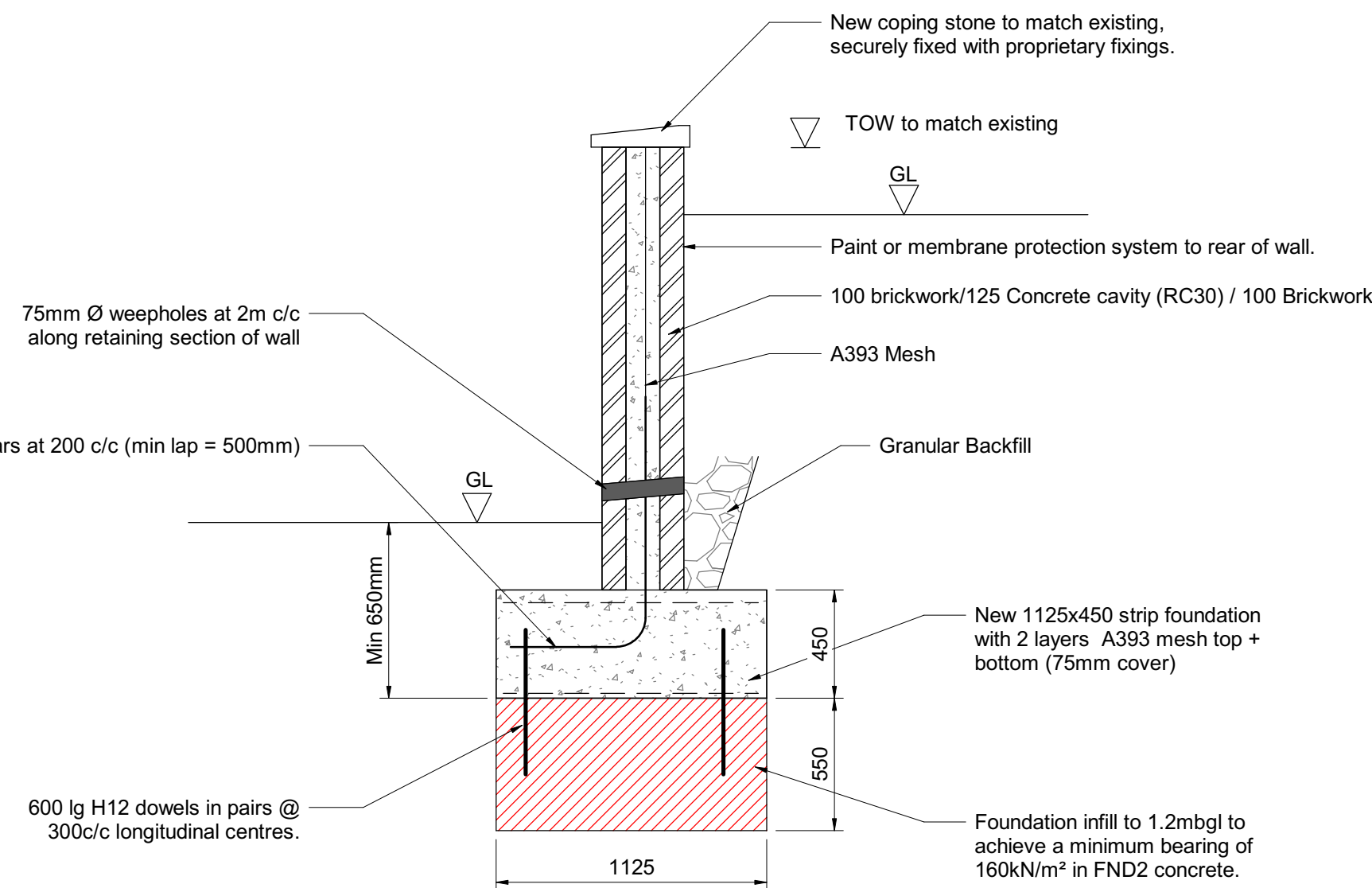
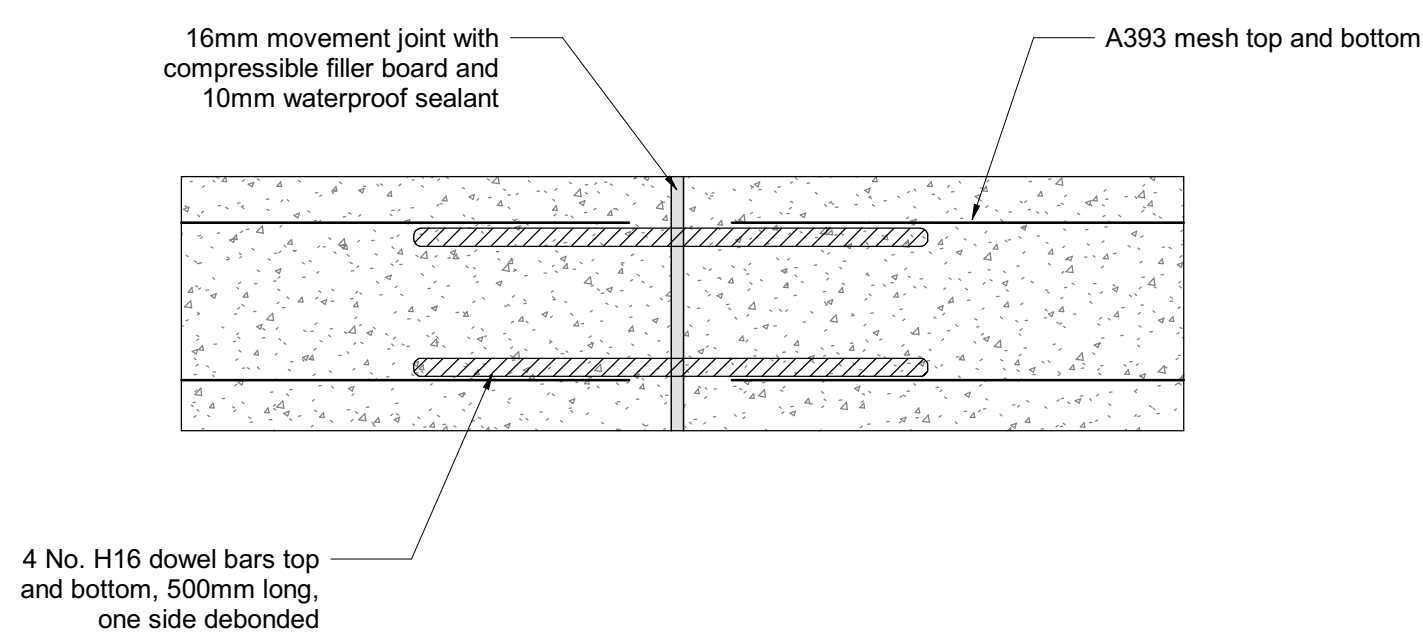




FOUNDATION FORMATION LEVEL TO BE GRAVEL SAND WITH A MINIMUM BEARING OF 160 kn/m^2 . TO BE CHECKED ON SITE DURING WORKS, ENGINEER TO BE INFORMED OF ANY UNEXPECTED GROUND CONDITIONS. ANY SOFT SPOTS ARE TO BE REMOVED AND BACKFILLED WITH SUITABLE GRANULAR MATERIAL. FOUNDATIONS TO BE PROOF ROLLED AND INSPECTED.

NOTE: EXTENT OF TREE PRESERVATION ORDERS TO BE
 CONFIRMED WITH MANCHESTER CITY COUNCIL PRIOR
 TO STARTING WORKS. CONTRACTOR TO PROVIDE
 METHOD STATEMENT FOR RETAINING EXISTING
 GROUND IN TEMPORARY CASE DURING CONSTRUCTION
 OF NEW WALL. EXTENT OF EXISTING TREES TO BE
 RETAINED TO BE CONFIRMED BY MANCHESTER CITY
 COUNCIL.



5 wall

16mm movement joint with compressible filler board and 10mm sealant

36/8 wall starter system with Ancon PP36 ties complete with debonding sleeves or similar approved

325 wall

16mm movement joint with compressible filler board and 10mm sealant

PPS ties OEA at 300mm vertical c/c with debonding sleeve. Min 100mm embedment

Diagram illustrating the application of the PP36 profile as a vertical support for a horizontal beam.

1. All down-takings/demolition works to be carried out in accordance with BS 6187 and current HAVS regulations
2. Extreme care is to be taken when undertaking all down-takings to ensure, that the stability and integrity of the existing structure is not compromised.
3. The contractor shall be responsible for maintaining the stability and integrity of the existing and new structure for the duration of the works.
4. All debris arising from down-takings shall be removed from site.
5. Prior to carrying out the works, the contractor shall provide method statements detailing his proposals for protecting the existing structure and installing the new supports.
6. Temporary works are the sole responsibility of the contractor. The contractor must design, supply and install all necessary temporary works required.

1. Carefully remove areas of masonry shown for down taking to foundation level.
2. Areas of loose or defective brick to remaining surface of wall should be removed and made good. Defective mortar joints should be raked out, cleaned, and repointed in mortar to match existing. Header course capping to be frost resistant.
3. Vegetation should be removed, and open joints raked out and repointed. All loose masonry to be removed and made good.
4. Brickwork to be rebuilt in engineering brick to match existing. Brickwork to have minimum strength 70N/mm² and water absorption <7%. Durability designation FLA. Contractor to submit details of proposed brickwork to match existing prior to construction. Retained coping stones and bricks should be reused to rebuild the new wall (if practicable).
5. Any new coping to match existing. Coping stones fixed to wall using Ancor stone coping restraints OEA.
6. Mortar to be in 1:1/4:3 cement:lime:mortar and to match existing in visual performance. Contractor to submit proposals.
7. 125mm thick RC 30 concrete filled cavity wall to be filled in max 675mm deep pours as construction proceeds. 10mm aggregate to be used in concrete mix.
8. No layer of Mesh BS ref A393. Min laps to be 600mm.
9. Face of wall to be protected with bituminous paint or membrane protected by fibreboard or similar before back filling.
10. 75mm Square weep holes at 2000mm c/c with a 25mm fall to the front.
11. 250 long vertical twist fishtail stainless steel wall ties @ 450mm c/c vertically and horizontally.
12. Mesh reinforcement BS Ref A393 for top and bottom courses with min. 50mm cover.
13. H10 starter bars @ 200mm c/c lapped with wall mesh.
14. Mass infill under base of main retaining wall structure to be done in FN2 concrete and keyed into retaining wall structure with pairs of H12 dowels @ 300c/c + 600lg with 300mm penetration into each section. Infill taken down to min. 1.2m below EQL in accordance with site investigation.
15. Slope face to rear of retaining wall.
16. Movement joints in the masonry are to be provided @ 10.0m max. The first joint should be positioned @ 6.0m max from the end of the wall or 3 times the height of the wall, whichever is the lesser.

CDM - RESIDUAL HAZARDS The following are considered to be significant risks relevant to this drawing, which could not be fully mitigated or removed through design:

01		TEMPORARY STABILITY - CONTRACTOR TO MAINTAIN STABILITY OF THE WALL IN THE TEMPORARY PHASE DURING DOWNTAKINGS AND REBUILDING WORK. CONTRACTOR TO SUBMIT METHOD STATEMENT PRIOR TO WORKS.
02		CONTRACTOR TO PROVIDE METHOD STATEMENT FOR RETAINING GROUND IN TEMPORARY CONDITION.
03		CONTRACTOR TO MONITOR EXCAVATION AND ALLOW FOR DE-WATERING DURING CONSTRUCTION PHASE.
		Further possible control measures have been identified within the Design Risk Assessments which may help to mitigate these and other identified risks further during the construction / maintenance process.

1. All works to be carried out by a contractor experienced
- in this type of work.
2. All levels are in metres, unless noted otherwise.
3. All main heights to be confirmed by the contractor.
- Levels are led into Ordnance Datum - Newlyn, unless noted
otherwise. The contractor shall be responsible for
establishing and checking the setting-out of gridlines,
and datums.
- levels All dimensional information contained on Pick Eversard
drawings to be checked against the current architects
drawings by the contractor prior to construction.
6. All details which relate to existing features or
boundaries are to be confirmed on site by the contractor.
7. Any discrepancies between drawings and/or site
conditions to design team to be informed immediately.
The structure has been designed and detailed for the
permanent condition only. All temporary works to be
designed by the contractor. Temporary works must
ensure the stability of the existing structure. In all cases the
materials are required to be supplied and used in
accordance with the appropriate codes of practice, a
green certificate, local building by-laws and in
accordance with good building practice.
- Contractor to check all sizes prior to construction.
10. Prior to any design change implemented by the
contractor or client, the design team must be advised so
that the change can be assessed and certified.

1. All construction operations shall be carried out in accordance with the requirements of the current CDM regulations, Health and Safety at Work Act, COSHH regulations and all other pertinent health and safety and welfare legislation.

Due to the 'commercial' nature of this project the Client has a duty under the Regulations to make suitable arrangements for managing a project and maintaining and reviewing these arrangements throughout, so the project is carried out in a way that manages Health and Safety risks. The Regulations also require the Client to make suitable arrangements for the construction projects. For projects involving more than one contractor, the Regulations require the Client to appoint a Principal Designer and a Principal Contractor, and make sure that they carry out their duties. Client duties are described in Part 2 of CDM 2015 and comprise:

- Regulation 4 Client duties in relation to managing projects.
- Regulation 5 Appointment of the Principal Designer and the Principal Contractor.
- Regulation 6 Notification.
- Health and Safety duties and roles are described in Part 3 of CDM 2015.

Existing dimensions are indicative and provided for information only. All existing dimensions to be confirmed on site by the contractor prior to work starting.

Note: Contractor to carry out local trial pitting to allow inspection of existing foundation by engineer prior to construction.

P01	First Issue	22.06.22	EJF	HGB
Revision		Date	Drn	Chk
This document references the following files:-				
Reference Name		Status	Revision	
MAN024-PEV-XX-ZZ-M3-S-0001		S0	P01.01	

Client
Manchester City Council

Project

Stenner Lane Retaining Wall

Drawing Title
General Arrangement
Structural Details

S2 - Suitable for Information

Job NO.	Scale	Size	Rev
210844	As indicated	@ A1	P01

MAN024 - PEV - XX - ZZ - DR - S - 5001

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