

HEALTH & SAFETY
(CDM REGULATIONS 2015)
RESIDUAL RISK ITEMS

FOLLOWING COMPLETION OF OUR RISK ASSESSMENT (SEE SEPARATE DOCUMENT) WE LIST BELOW THE PRINCIPLE RESIDUAL RISK ITEMS WHICH WE BELIEVE TO BE ASSOCIATED WITH THIS PROJECT REGARDING THE STRUCTURAL ENGINEERING DESIGN WORK

1. EXISTING BURIED SERVICES - ESTABLISH LOCATIONS PRIOR TO COMMENCEMENT OF EXCAVATIONS
2. DEEP EXCAVATIONS - NO ACCESS WITHOUT ADEQUATE PROPPING.
3. CONTRACTOR TO ENSURE TEMPORARY SUPPORT TO NEIGHBORING PROPERTIES.

NOTES

1. DO NOT SCALE THIS DRAWING. IF IN DOUBT ASK.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT'S & ENGINEERS DETAILS & SPECIFICATIONS.
3. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE. ALL LEVELS IN METRES UNLESS NOTED OTHERWISE.
4. ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
5. ALL WORKS TO COMPLY WITH THE RELEVANT STANDARDS, CODES OF PRACTICE AND THE BUILDING REGULATIONS.
6. DPM, DPC AND VOID VENTILATION ALL TO ARCHITECTS SPECIFICATION.
7. FOUNDATIONS TO ALL WALLS TO BE SET OUT CENTRALLY TO WALL ABOVE GROUND FLOOR WIDTHS AS NOTED ON PLAN.
8. CONCRETE GRADE FOR MASS CONCRETE FOUNDATIONS TO BE GEN 3, IN ACCORDANCE WITH BS-8500.
9. IN ACCORDANCE WITH BRE SPECIAL DIGEST 1 (SD1:2005) ENTITLED 'CONCRETE IN AGGRESSIVE GROUND' A DESIGN SULPHATE CLASS FOR THE SITE OF DS-15 IS RECOMMENDED. USING SD1 AN ACEC (AGGRESSIVE CHEMICAL ENVIRONMENT FOR CONCRETE) CLASS OF AC-1 IS RECOMMENDED.
10. FOUNDATION EXCAVATIONS ARE TO BE INSPECTED FOR ANY ORGANIC, SOFT, LOOSE OR OTHERWISE UNSUITABLE MATERIALS. DEPTH OF FOUNDATION TO BE INCREASED TO FOUND IN UNDISTURBED SOILS MINIMUM OF 300 mm BELOW SUCH MATERIALS.
11. ANY EXISTING FOUNDATIONS & SLABS WITHIN THE FOOTPRINT OF NEW FOUNDATIONS TO BE BROKEN OUT & NEW FOUNDATIONS TO BE TAKEN MIN. 300 mm BELOW ANY DISTURBED GROUND.
12. WHERE FOUNDATIONS ARE CONSTRUCTED ON DIFFERING BEARING STRATA, B785 MESH REINFORCEMENT IS TO BE PLACED TOP AND BOTTOM IN THE FOUNDATION (75 mm COVER). THE MESH IS TO EXTEND 2.0m ON EACH SIDE OF THE SOIL TRANSITION ZONE.
13. FOUNDATIONS TO BEAR INTO VIRGIN SAND/SANDSTONE WITH A MINIMUM SAFE BEARING PRESSURE OF 100 kN/m². FOUNDATION DEPTHS INCREASED AS REQUIRED TO BEAR MIN. 300mm BELOW ANY ACTIVE ROOT GROWTH, ANY EXISTING DRAINAGE OR ANY OTHER UNDERGROUND OBSTRUCTIONS.
14. ALL FOUNDATION DEPTHS ARE TO BE A MINIMUM OF 1.2m BELOW LOWER OF EXISTING OR PROPOSED GROUND LEVELS OR AS SHOWN ON PLAN BUT ARE SUBJECT TO FINAL INSPECTION ON SITE BY BUILDING CONTROL. IF ACTIVE ROOT GROWTH IS APPARENT AT FOUNDING LEVEL THEN THE FOUNDATION MUST BE DEEPEMED TO EXTEND 300mm BELOW ANY ACTIVE ROOTS. FOUNDATIONS MUST ALSO BE TAKEN A MINIMUM OF 300mm BELOW ANY FILL MATERIAL.
15. WHERE A FOUNDATION PASSES CLOSE TO A SEWER, DRAIN TRENCH OR TRIAL PIT THE FOUNDATION IS TO BE SUCH THAT IT'S UNDERSIDE IS BELOW A LINE PROJECTED UP AT 45° FROM THE NEAREST BOTTOM CORNER OF THE DRAIN TRENCH, SEWER OR TRIAL PIT.
16. MASONRY BELOW GROUND TO BE MINIMUM CLASS 3 (FL) QUALITY BRICKWORK OR APPROVED BLOCKWORK (7N MIN.) SET IN CLASS 2 MORTAR, (1 IN 3).
17. FOR LOCATION OF SERVICES THROUGH FLOOR/WALLS REFER TO ARCHITECT'S/SERVICE ENGINEER'S DETAILS.
18. FOR SETTING OUT OF WALLS REFER TO ARCHITECTS DRAWINGS.
19. INTERNAL WALL LININGS, CONDENSATION CONTROL, INSULATION, VENTILATION AND DPC'S BY OTHERS.
20. PROVIDE PERISCOPE VENTS TO ALL EXTERNAL WALLS & PROVIDE AIR BRICKS IN INTERNAL CROSS WALLS. (REFER TO ARCHITECT'S DRAWINGS FOR FULL DETAILS).

PRELIMINARY ISSUE
FOR PRICING PURPOSES ONLY

THIS DRAWING INDICATES DESIGN INTENT ONLY AND IS SUBJECT TO AMENDMENT DURING FINAL DESIGN DEVELOPMENT.

Rev	Date	Description
-	22/05/26	FIRST ISSUE



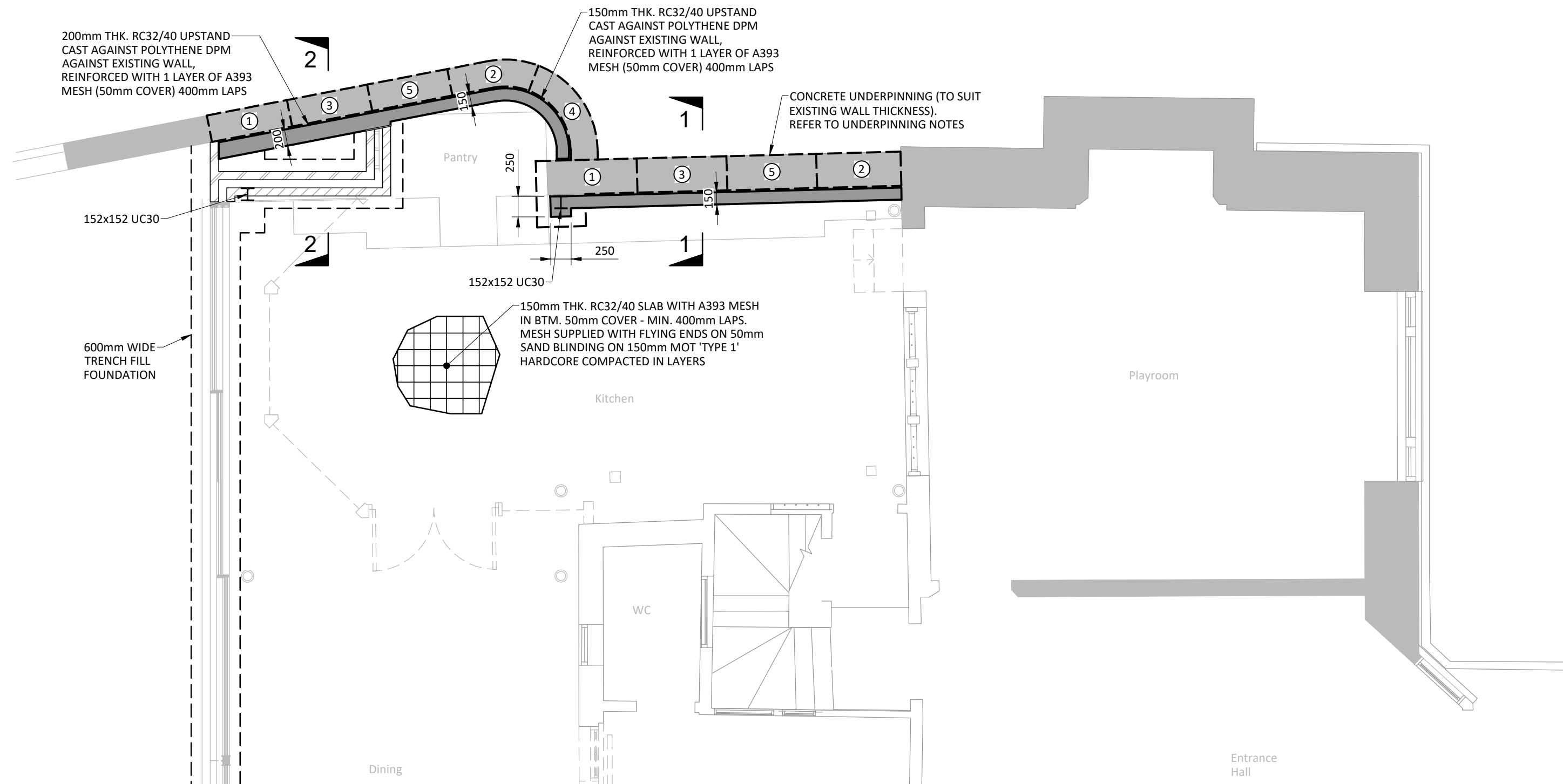
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Project **Marshalls Manor,
High Street,
Cuckfield,
RH17 5EL**

Title **Foundation Details Local
to Boundary Wall**

Date May 2026 Scales 1:50, 1:20 At A1

Job No.	Drawing No.	Rev.
6923	S.01	-



FOUNDATION LAYOUT
1:50

LEGEND

- DENOTES EXISTING STRUCTURE.
- - - - DENOTES STRUCTURE TO BE DEMOLISHED.

BLOCKWORK

- /// DENOTES LOAD BEARING BLOCKWORK IN 1:3 MORTAR UNLESS NOTED OTHERWISE.
- DENOTES NON LOADBEARING PARTITION WALL FULLY TIED INTO ADJACENT WALLS.

ALL SUBSTRUCTURE BLOCKWORK TO BE 7.3N/mm² UNLESS NOTED OTHERWISE

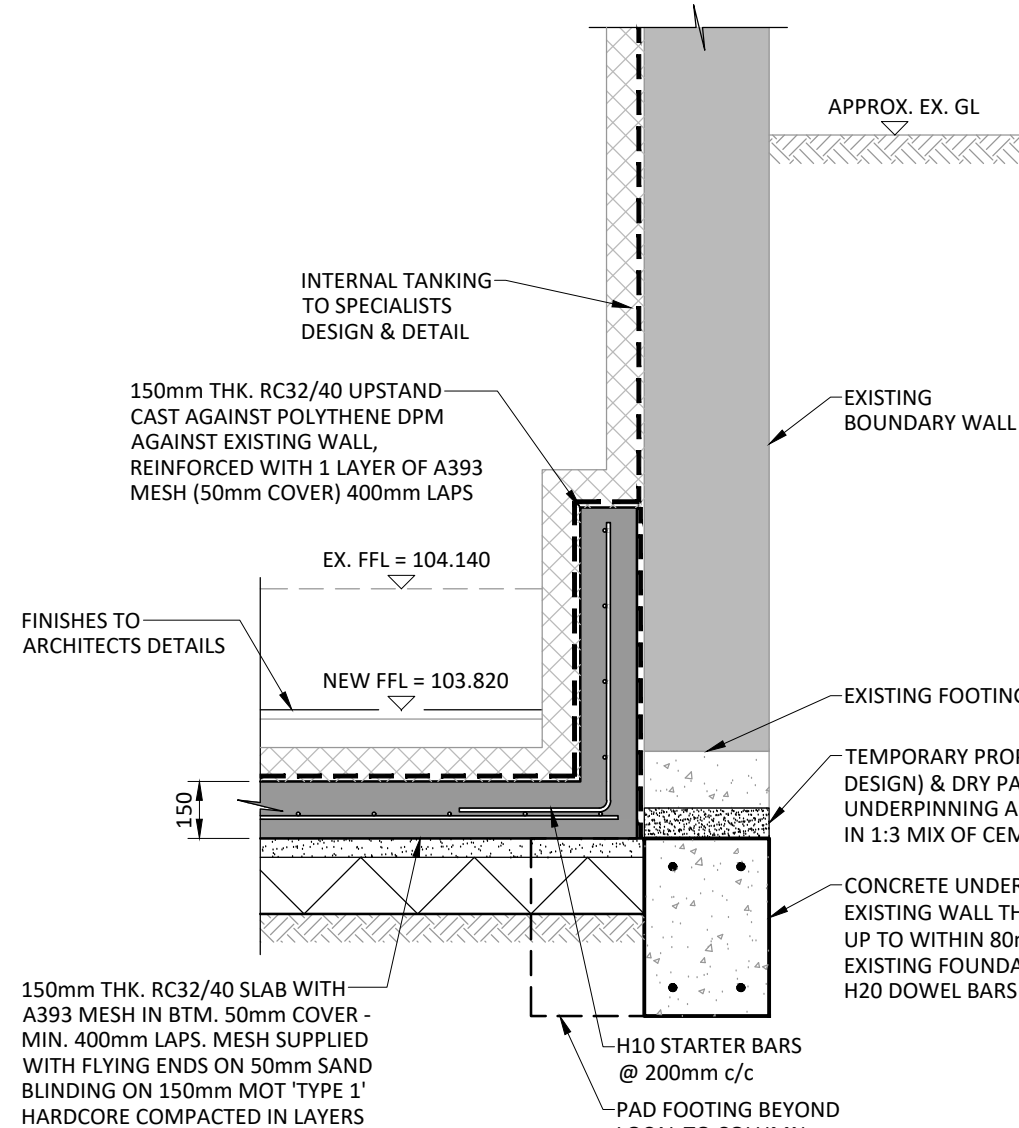
FOUNDATION DEPTHS

FOUNDATION DEPTHS ARE TO BE A MINIMUM OF 1.0m DEEP OR AS SHOWN ON PLAN, FROM GEOLOGICAL MAPS OF THE AREA, THE GROUND IS ANTICIPATED TO BE WADHURST CLAY FORMATION. DEPTHS ON PLAN BASED ON MEDIUM VOLUME CHANGE POTENTIAL AND SOIL TESTING UNDERTAKEN BY PMA. PMA ARE TO BE CONTACTED IMMEDIATELY IF ANY OTHER SOIL CONDITIONS ARE ENCOUNTERED OR IF ANY DRAINAGE, WELLS, SOAKAWAYS OR UNDERGROUND STRUCTURES ARE ENCOUNTERED, THAT ARE NOT NOTED ON OUR DRAWINGS. IF ACTIVE ROOT GROWTH IS APPARENT AT FOUNDING LEVEL THEN THE FOUNDATION MUST BE DEEPEMED TO EXTEND 300mm BELOW ANY ACTIVE ROOTS. FOUNDATIONS MUST ALSO BE TAKEN A MINIMUM OF 200mm BELOW ANY FILL MATERIAL AND ADJACENT DRAINAGE.

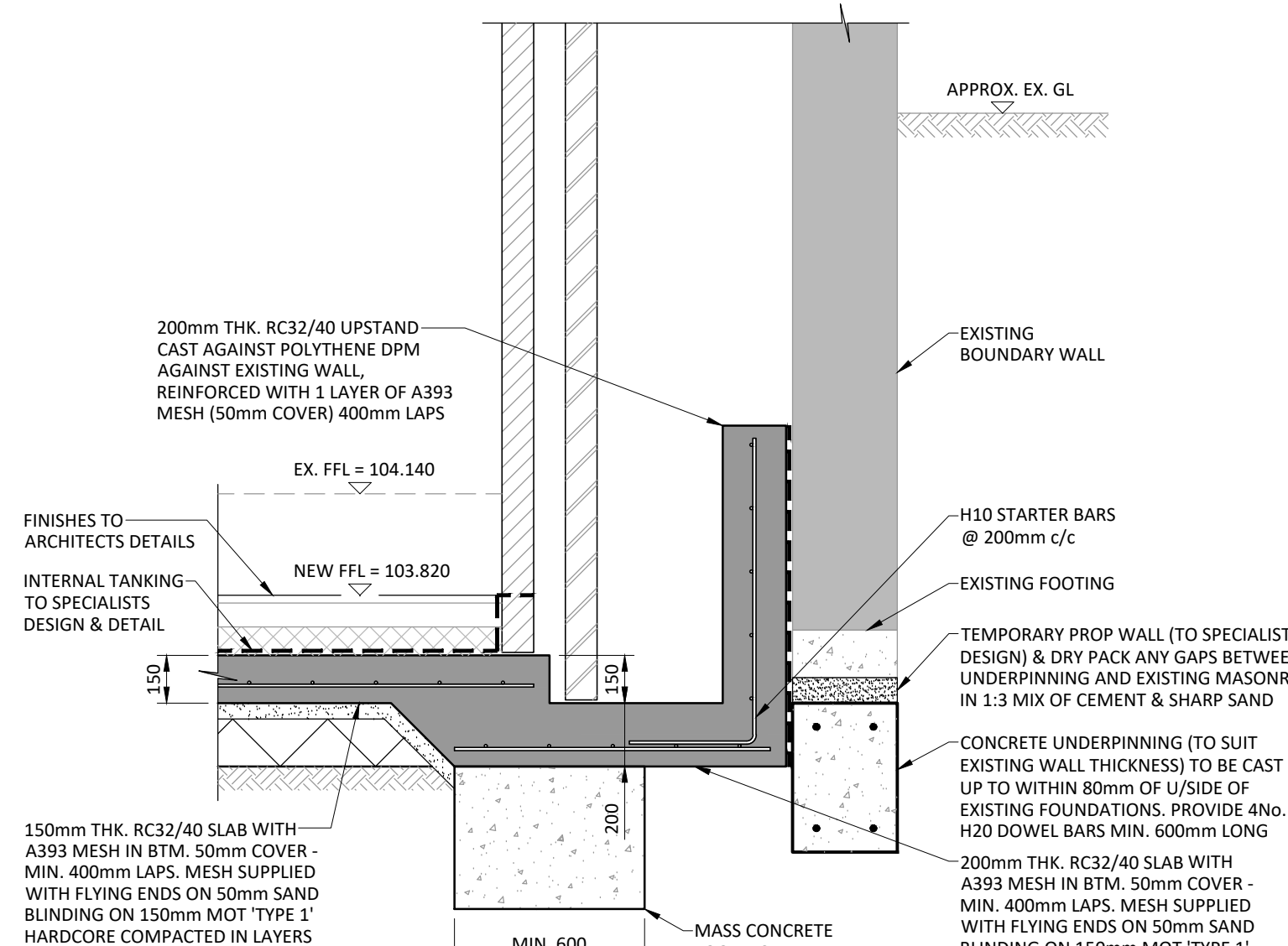
ALL FOUNDATIONS TO BE 600mm WIDE
UNLESS NOTED OTHERWISE

UNDERPINNING NOTES

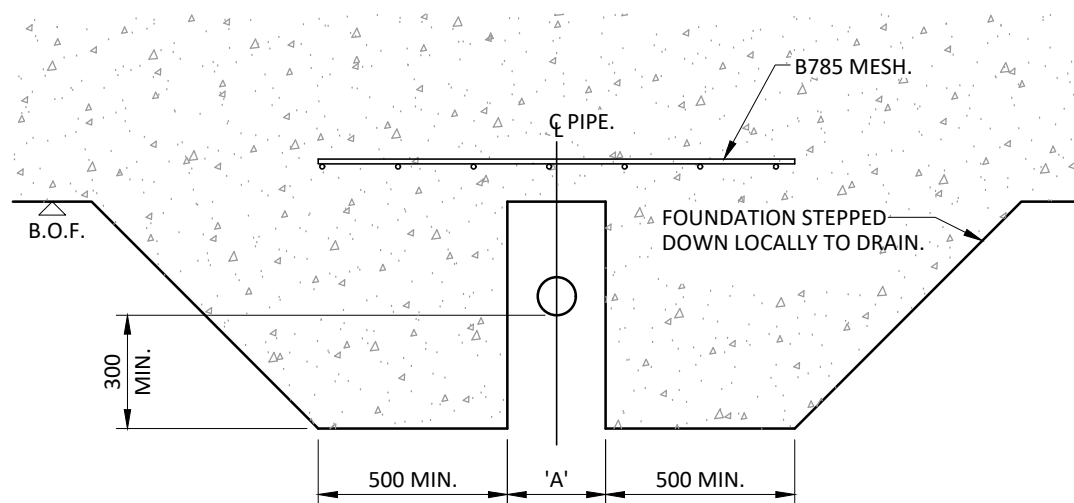
1. UNDERPINNING IS TO BE CARRIED OUT IN THE SEQUENCE SHOWN (MAX. BAY WIDTH TO BE 1.0m). ANY CHANGE IN SEQUENCE IS TO BE AGREED WITH THE CONTRACT ADMINISTRATOR PRIOR TO COMMENCEMENT OF THE WORKS.
2. NO SECTION SHALL BE COMMENCED UNTIL THE PREVIOUSLY NUMBERED SECTION HAS BEEN TOTALLY COMPLETED.
3. 24 HRS. MUST ELAPSE BETWEEN CONCRETING OF UNDERPINNING SECTION & DRY PACKING BETWEEN UNDERPINNING & EXISTING FOUNDATIONS.
4. A PERIOD OF 12 HRS MUST ELAPSE FROM COMPLETION OF DRY PACKING ONE SECTION TO COMMENCEMENT OF EXCAVATION OF NEXT NUMBERED SECTION.
5. THE UNDERSIDE OF THE EXISTING FOUNDATIONS IS TO BE THOROUGHLY CLEANED BEFORE CONCRETING OR DRY PACKING.
6. EACH SECTION IS TO BE LINKED WITH 20mm DOWEL BARS 600mm LONG (100mm MIN. COVER TO ALL FACES)
7. ALL WORK TO BE CARRIED OUT TO THE SATISFACTION OF THE LOCAL AUTHORITY & PMA.
8. CONCRETE FOR UNDERPINNING SECTIONS TO HAVE A 28 DAY CUBE STRENGTH OF 25 N/mm² FOR ALL MIXES.
9. DRY PACKING IS TO COMPRISE A 1:3 MIX OF CEMENT/SHARP SAND WITH A MOISTURE CONTENT SUFFICIENT ONLY TO BIND THE MATERIAL UNDER HAND PRESSURE (THE DRY PACK SHOULD BE WELL RAMMED INTO PLACE & SHOULD FULLY FILL THE GAP BETWEEN THE EXISTING FOUNDATIONS & THE NEW UNDERPINNING SECTIONS).
10. THE CONTRACTOR MUST PROTECT ALL UNDERGROUND SERVICES WITHIN THE AREA OF WORKING & WILL BE FULLY RESPONSIBLE FOR THE REPAIR OF ANY DAMAGED SERVICES & FOR MAKING GOOD ANY AFFECTED AREAS AS A RESULT OF THE DAMAGE.



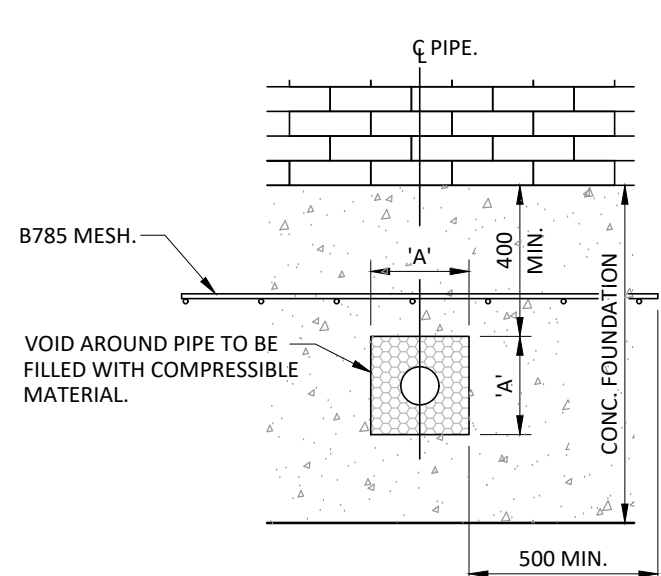
SECTION 1 - 1
1:20



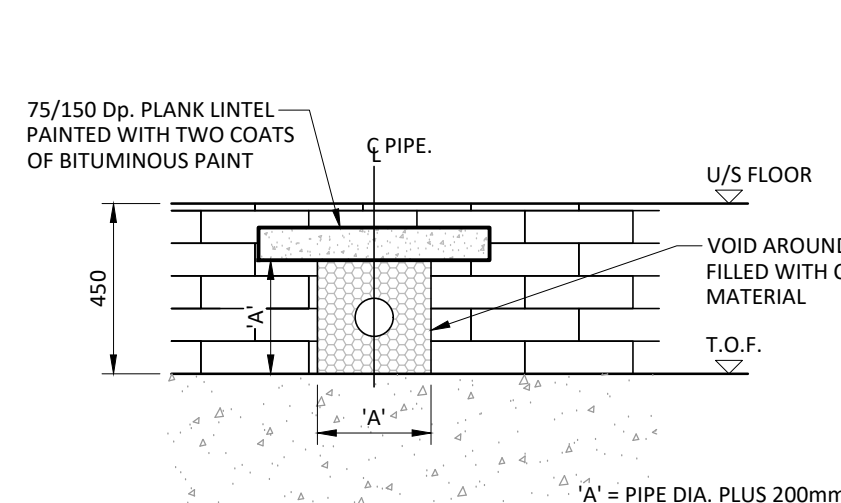
SECTION 2 - 2
1:20



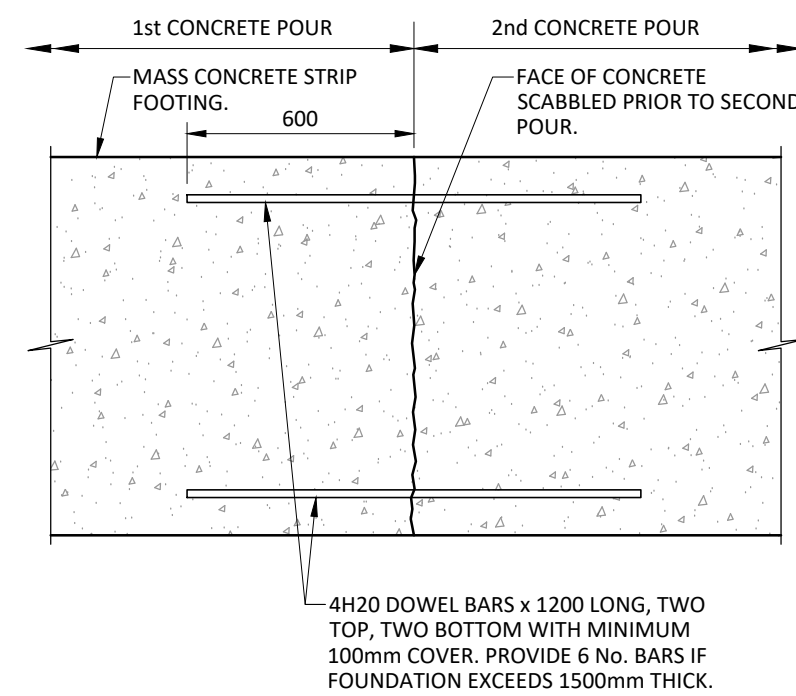
DETAIL OF PIPE PASSING UNDER CONCRETE FOUNDATION



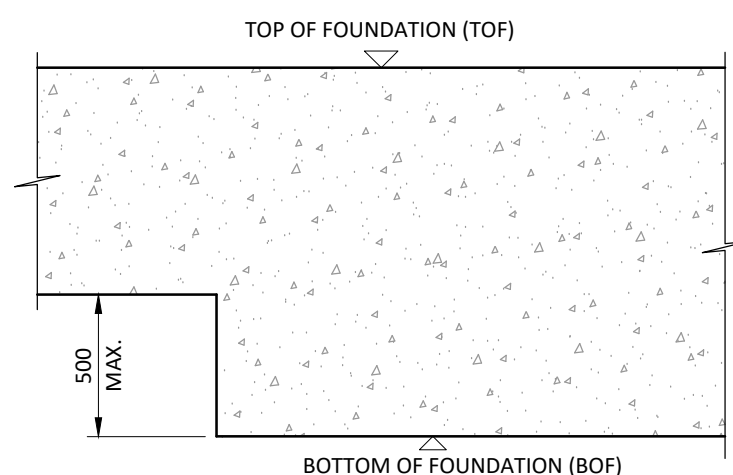
DETAIL OF PIPE PASSING THROUGH CONCRETE FOUNDATION



DETAIL OF PIPE PASSING THROUGH BRICKWORK



TYPICAL DAYWORK JOINT FOR ALL FOOTINGS



FOUNDATION STEP DETAIL