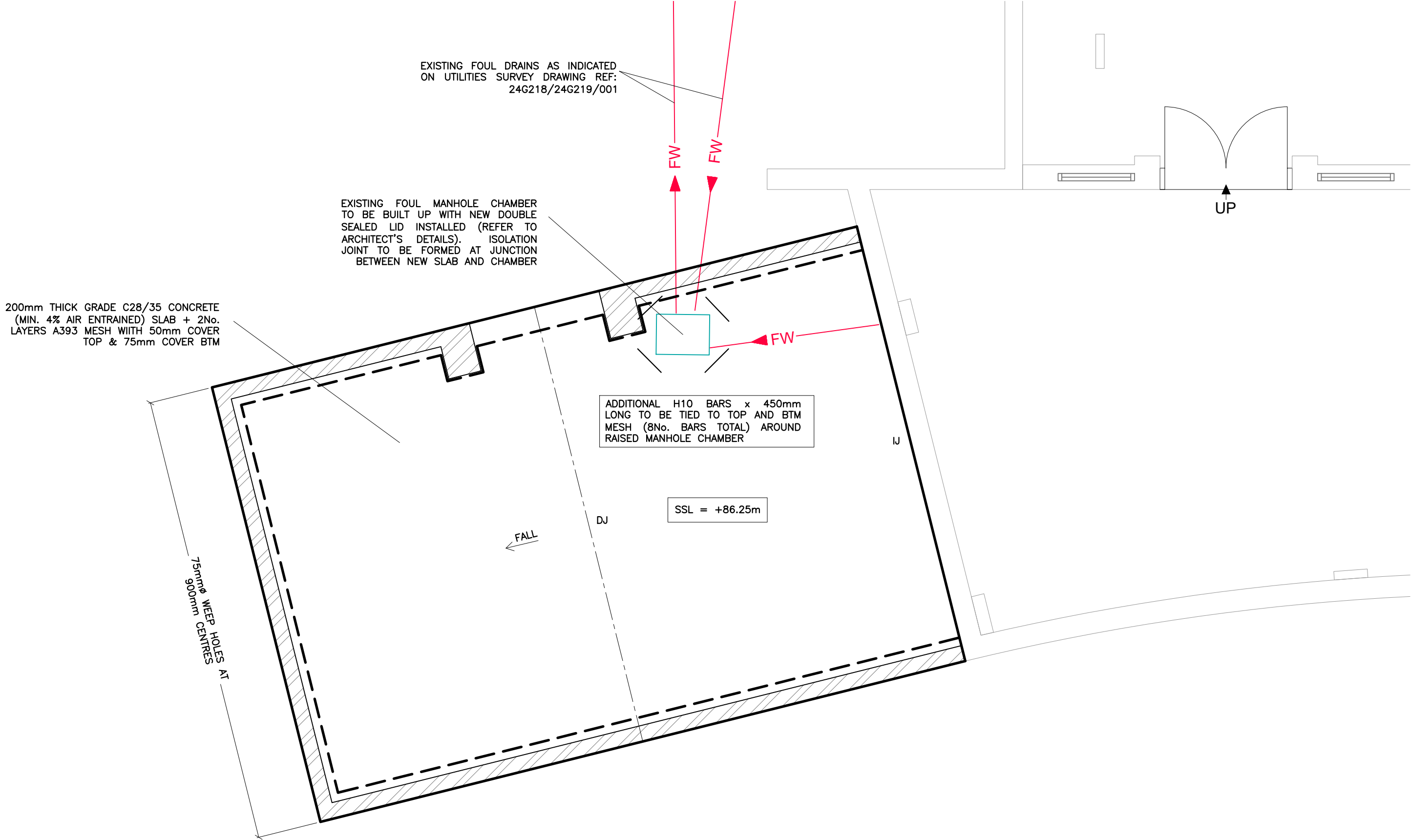


EXISTING DRAINAGE

CONTRACTOR TO CONFIRM DEPTH OF EXISTING FOUL DRAINAGE RUNS. WHERE THE CROWN OF ANY DRAINAGE PIPES ARE WITHIN 300mm OF THE UNDERSIDE OF THE PROPOSED SLAB, CONTRACTOR TO INSTALL GRANULAR OR OTHER FLEXIBLE SURROUND AROUND THE PIPE. WHERE THE CROWN OF ANY DRAINAGE PIPES ARE WITHIN 100mm OF THE UNDERSIDE OF THE PROPOSED SLAB, CONTRACTOR TO PROVIDE CONCRETE SURROUND TO DRAINAGE PIPE. CONTRACTOR TO INCLUDE FOR UNDERTAKING CCTV DRAINAGE SURVEY BEFORE AND AFTER THE WORKS.

PROPOSED SUBSTRUCTURE DESIGN IS INDICATIVE ONLY & SUBJECT TO AMENDMENT FOLLOWING COMPLETION OF GROUND INVESTIGATION WORKS.

SETTING OUT DIMENSIONS INDICATIVE ONLY. DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND MEP DRAWING PACKAGES.



PART-PLAN INDICATING SLAB TO PROPOSED ASHP COMPOUND (1:50)

GENERAL NOTES

SLAB

- All work is to be in accordance with the relevant BS Codes of Practice, the Specification and Concrete Association's publication 'Concrete Ground Floor Construction for the Man on the Site' Parts 1 & 2.
- All soft areas are to be removed as directed by the Engineer and replaced with hardcore fill to the Specification.
- Formation levels to be rolled before sub-base is placed.
- Sub-base to be min. 200mm deep hardcore, graded to the specification.
- The sub-base is to be rolled and compacted in accordance with the specification and all surface interstices to be blinded with rolled-in clean sand.
- Concrete slab is to be 200mm thick.
- Mesh type to be A393 with 350mm longitudinal laps.
- Cover to reinforcement to be minimum 50mm.
- Concrete is to be compacted and poker vibrator to be used at all joint positions.
- For joint details refer to sections.
- To allow different construction methods, alternative joint location proposals may be submitted by the General Contractor for approval.
- Slab to receive brushed finish.
- Abbreviations used:
 - IJ Isolation Joint
 - DJ Dowelled Joint

CONCRETE

- All work is to be in accordance with the relevant BS Codes of Practice and the Specification.
- Contractor to procure concrete mix design to satisfy following requirements:
 - 2.1. Min. strength class C28/35 having a minimum cube crushing strength of 35N/mm² at 28days.
 - 2.2. Exposure classes XC4, XF3.
 - 2.3. 20mm maximum nominal aggregate size
 - 2.4. Maximum chloride content 0.3%
 - 2.5. SCMs to be used to reduce Portland cement content
 - 2.6. Min. 4% air entrained
- Cover to reinforcement to be 50mm minimum.
- Consistence target to be S2 (70mm) to EN 206-1:2000 slump tests to be to BS EN 12350-2.
- Minimum lap lengths for mesh reinforcement to be 300mm.
- Test cubes to be taken as directed by the Engineer.
- All concrete to be compacted to the Specification or by means approved by the Engineer.

CDM NOTES



CONCRETE POUR

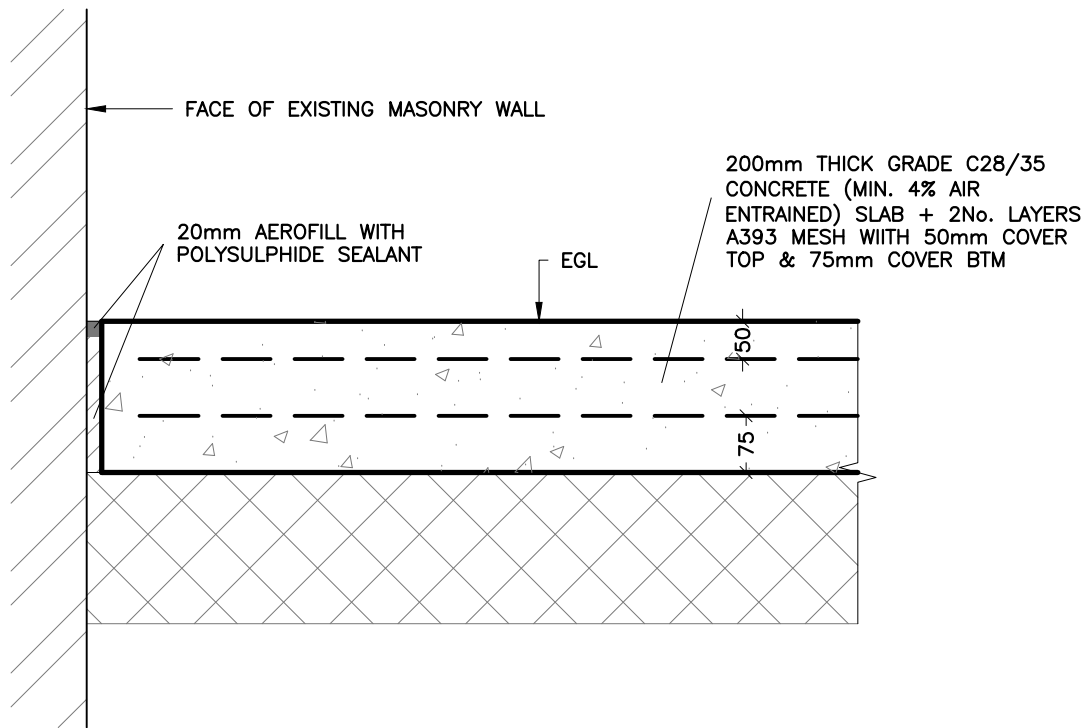
- Protective clothing to be used.
- Contractor to ensure formwork is designed for the appropriate structure and is suitably constructed.
- Contractor is to ensure excavation is suitably propped and supported.
- Excavation is to be suitably cordoned off.
- Contractor is to ensure no pooling of concrete occurs on metal composite decking sheets.

DEMOLITION WORKS

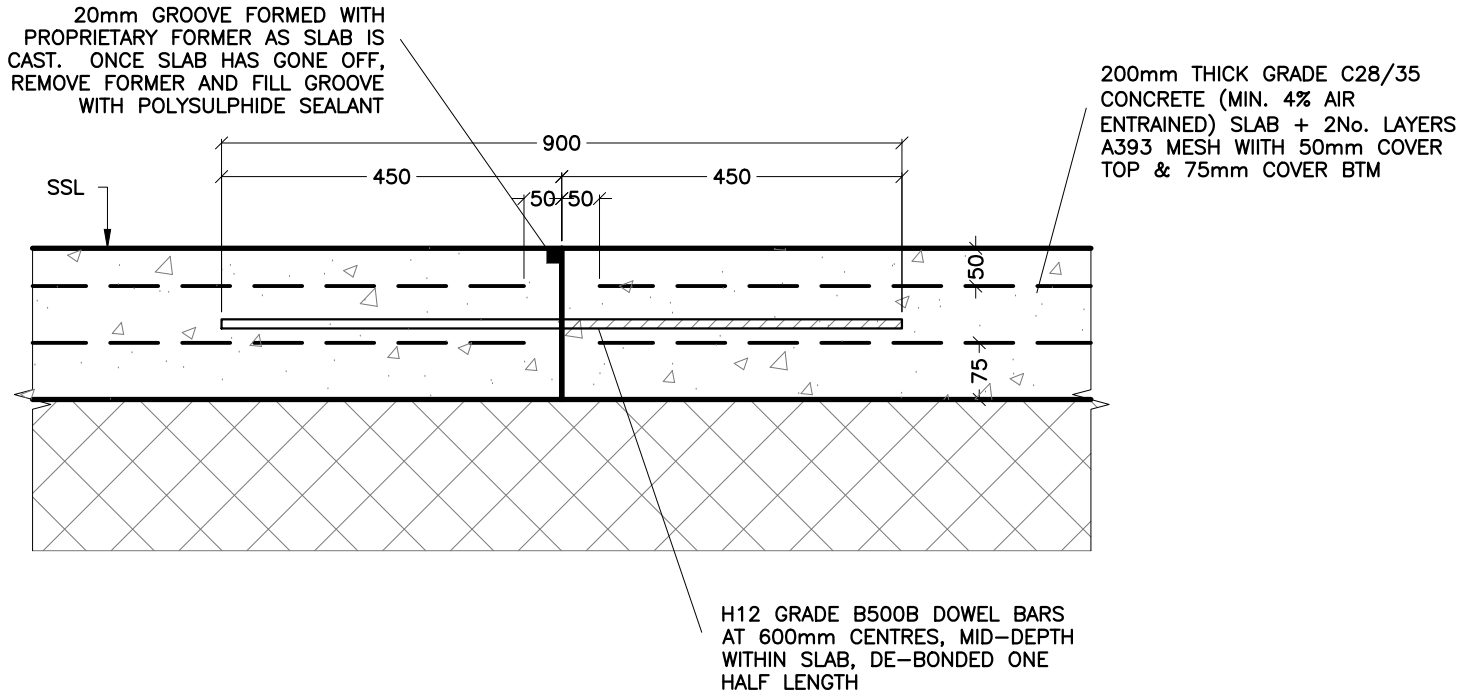
- Protective clothing to be used.
- Working area to be adequately cordoned off.
- Propping where necessary should be used and props installed to the manufactures specifications.
- All existing services to be identified and disconnected prior to demolition.

EXCAVATION WORKS

- Protective clothing to be used.
- Working area to be adequately cordoned off.
- Propping where necessary should be used and props installed to the manufactures specifications.
- All existing services to be identified, stopped up, prior to excavation works.
- Debris to be removed at regular intervals.
- Contractor to use suitable lifting and removal techniques.



TYPICAL ISOLATION JOINT (IJ) DETAIL (1:10)



TYPICAL DOWELLED JOINT (DJ) DETAIL (1:10)

P02	Slab level & fall direction included	20/12/24			
P01	Initial issue	20/11/24			
Revision	Description	Issue Date			
FREDERICK G. MARKLAND ASSOCIATES Consulting Structural Engineers o Corby House 38A Chorley New Road Bolton BL1 4AP t 01204 531 208 f 01204 380 474 e info@fgmarkland.co.uk w www.fgmarkland.co.uk		Client EQUANS Project Title Manchester City Council Decarbonisation PSDS Drawing Title Blackley Crematorium Chapels Proposed Slab to ASHP Compound			
Project Originator Volume Level Type Role Number					
24127 - FMA - B1 - EX - DR - S - 0002					
Status S4	Sheet size A1	Main scale 1:50	Secondary scale 1:10	Drawn by BG	Checked by NPC
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