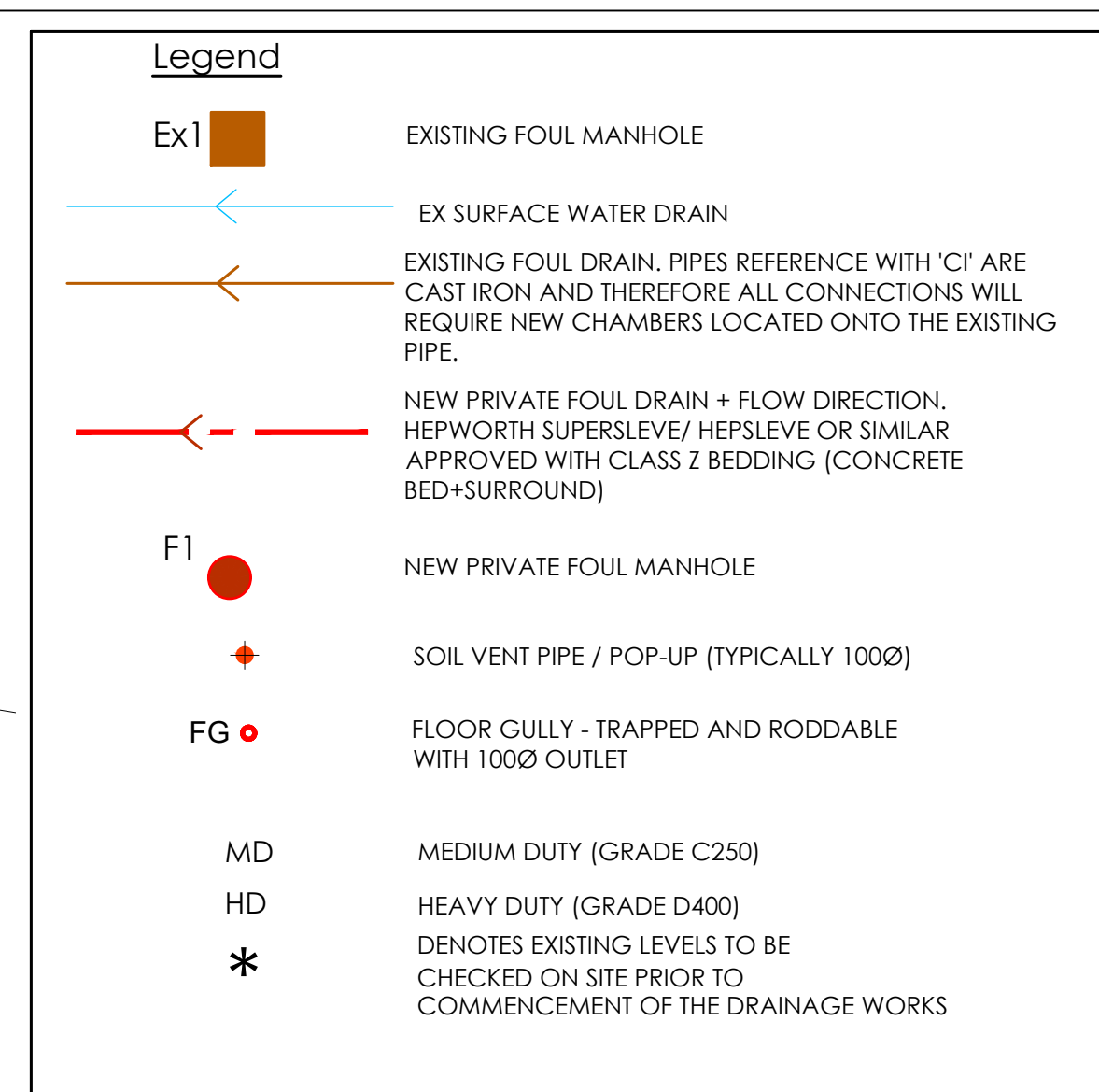
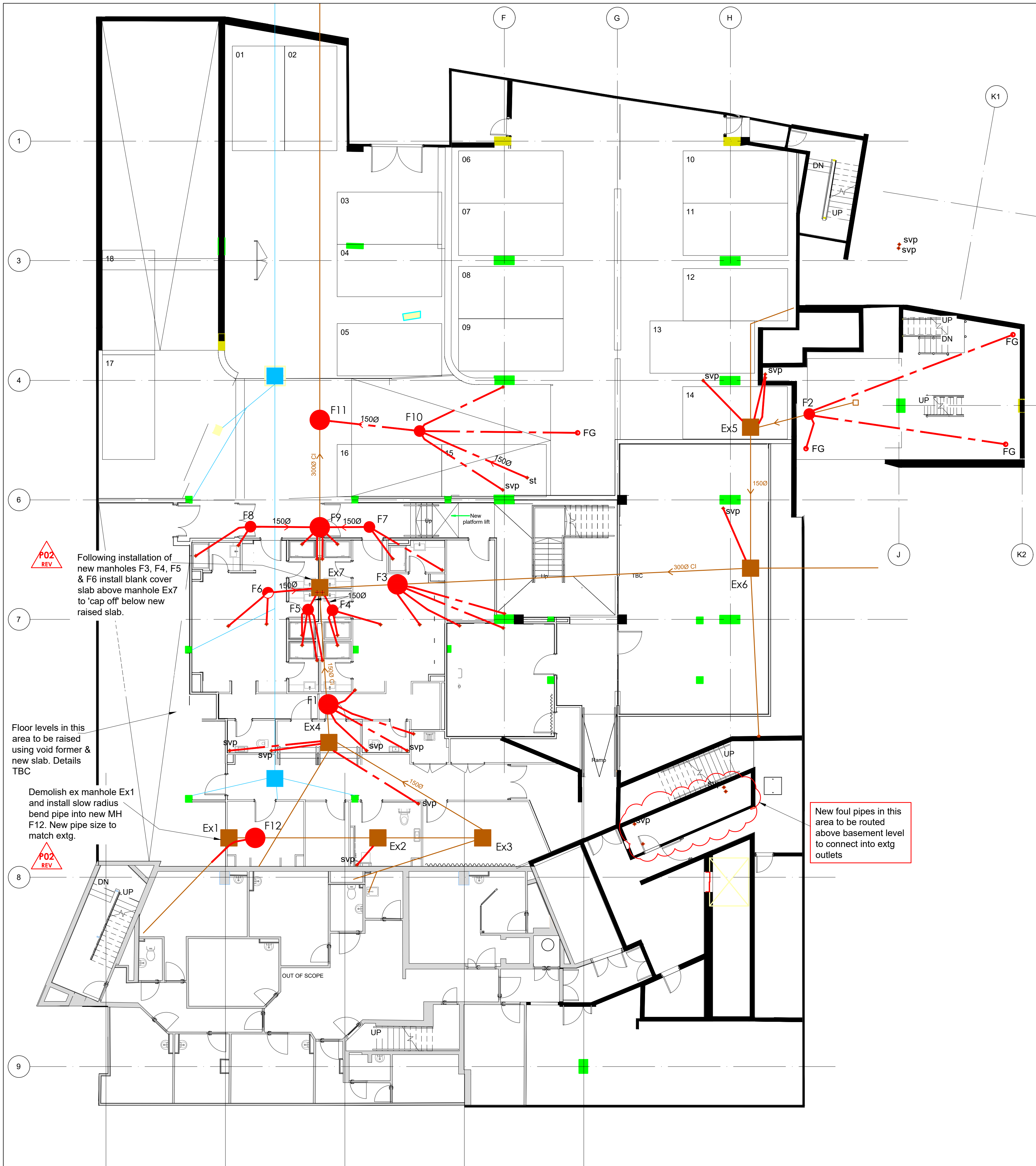




- ## GENERAL NOTES
- Do not scale this drawing.
- Contractor to check all dimensions and report all errors and omissions to the Engineer.
1. All external setting out to be confirmed on Architects drawings.
 2. Existing drainage layout is as shown on darcy drainage survey ref LM227790 Flow Protect LTD
 3. Manhole IL's relate to outgoing main pipe. Where incoming pipes are of a smaller diameter to the outgoing pipes they are to be positioned with pipe soffits level UNO.
 4. Drainage designed to allow ALL svp's, pop-ups and gullies to be roddable from a chamber.
 5. All pipes under the building to be given Class Z conc bc + surround. In addition all pipes in vehicle paved areas where the cover is less than 750mm are to be given a Class Z concrete bc + surround.
 6. Typically external pipes to have Class S bedding UNO.
 7. For exact location of all SVP's and RWP's refer to architects drawings.
 8. All foul pipes to be 100Ø at min 1:60 fall unless noted otherwise.
 9. All surface water pipes to be 100Ø at min 1:80 fall unless noted otherwise.
 10. For details of drainage refer to drawing PM-DWC-B1-DR-S-DR02

P02	Works added to remove ex manholes Ex1 & Ex7			14.9.22
P01	Fully updated to show proposed svp's, pop-ups, gully's & manholes			20.6.22
Rev	Detail	By	Auth	Date
Revisions				



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Client **bruntwood works**

Project

Pall Mall
Manchester
Refurbishment Works

Drawing Title

Structural Works
Basement Drainage
Layout & Details

Drawing Status		preliminary			
Project No.		Discipline		Drawing No.	
PM-DWC-B1-		DR-S-		DR01	
Scale		Sheet Size		Revision	
1:100		A1		P02	
Date	Drawn	Checked	Auth		
Apr'22	RM	CJC			

NEW MANHOLE SCHEDULE						
MH REF.	C.I. (m) TBC	Approx Depth Below Extg Slab (m)	Manhole Type	Manhole Size	Cover & Frame Type & Size	REMARKS
F1	TBC*	1.20	PPIC	475 DIA.	450 x 450 MD	Double sealed & lockable cover
F2	TBC*	1.00	PPIC	475 DIA.	450 x 450 MD	Double sealed & lockable cover
F3	TBC*	1.80	CONC	1050 DIA.	600 x 600 MD	Double sealed & lockable cover
F4	TBC*	1.00	PPIC	475 DIA.	450 x 450 MD	Double sealed & lockable cover
F5	TBC*	1.00	PPIC	475 DIA.	450 x 450 MD	Double sealed & lockable cover
F6	TBC*	1.00	PPIC	475 DIA.	450 x 450 MD	Double sealed & lockable cover
F7	TBC*	1.00	PPIC	475 DIA.	450 x 450 MD	Double sealed & lockable cover
F8	TBC*	1.00	PPIC	475 DIA.	450 x 450 MD	Double sealed & lockable cover
F9	TBC*	2.40	CONC	1200 DIA.	600 x 600 MD	Double sealed & lockable cover
F10	TBC*	1.40	CONC	1050 DIA.	600 x 600 MD	
F11	TBC*	2.60	CONC	1200 DIA.	600 x 600 MD	
F12	TBC*	1.00	PPIC	475 DIA.	450 x 450 MD	Double sealed & lockable cover

Actual cover and invert levels to be confirmed *.

Existing manholes EF1, EF2, EF3, EF4 & EF6 are to have new 600x600 MD double sealed covers installed.

Existing manhole EF7 is to have a solid cover slab installed to seal following installation of new incoming pipes.