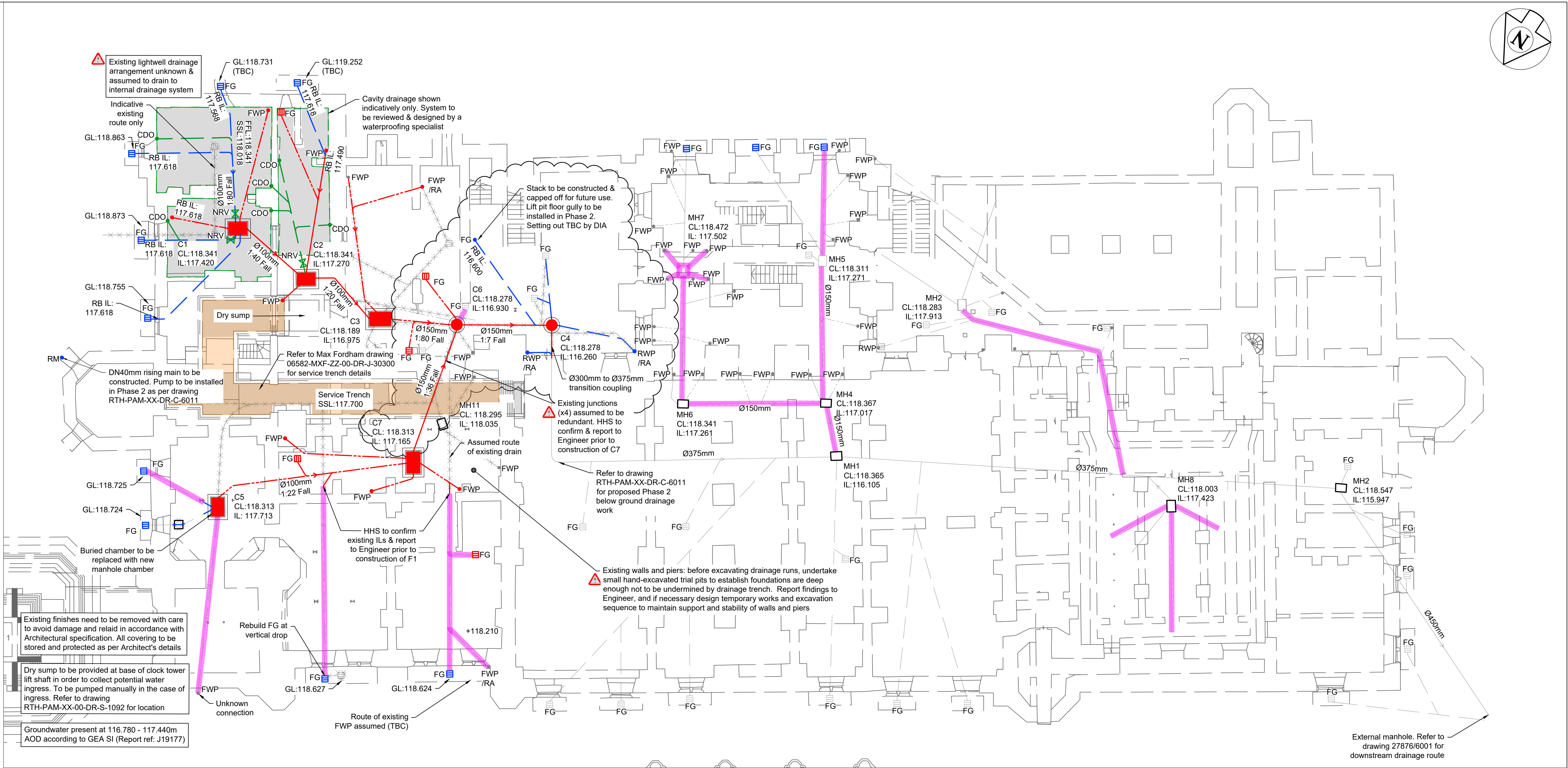


DRAINAGE KEY	
	Existing Rainwater Down Pipe
	Existing Foul Waste Pipe
	Foul Waste Pipe
	Rain Water Pipe / Rising Main
	Cavity Drain Outlet (by others)
	Non-Return Valve (by others)
	Backdrop inlet to manhole with invert level of rodding access
	Existing Floor Gully
	Floor Gully
	Combined Water Manhole Chamber
	Existing Manhole Chamber
	Surface Water Pumping Station Manhole Chamber

DRAINAGE LEGEND	
Existing SW Drain	
Existing FW Drain	
Existing Combined Drain	
Demolished/Abandoned	
New FW Drain	
New SW Drain	
New SW Rising Main	
New Combined Drain	
Cavity Drainage (by others)	
Remedial Works as per DynoRod Inspection Report (ref. DY205953)	
Service Trench (400mm Internal Trench Depth)	

ABBREVIATIONS	
IL	- Invert Level
CL	- Cover Level
GL	- Gully Level
RA	- Above Ground Rodding Access
RB IL	- Rest Bend Invert Level
RE IL	- Rodding Eye Invert Level
BD IL	- Backdrop Invert Level

HEALTH & SAFETY	
List of site specific or unusual hazards relevant to the drawing: (Must be read in conjunction with the CDM risk register.)	
Excavations	Excavation for manholes Contractor to ensure adequate edge protection to excavations for workers and plant and to ensure sides of excavations are sufficiently stable or shored up. Contractor to restrict access into areas where excavations are being carried out.
Sewer Connections	Working with live sewers Extra care must be taken when dealing with live sewers to ensure there is no adverse effect to the existing drainage.
Existing Services	Working alongside/near existing services. Extra care must be taken when working/digging near existing services. A survey should be carried out prior to works commencing to determine the exact location of existing services.



MANHOLE SETTING OUT		
POINT NUMBER	EASTING	NORTHING
C1	389611799.122	413261766.816
C2	389606984.164	413261500.049
C3	389602325.631	413260555.234
C4	389594670.394	413245355.171
C5	389602598.647	413274561.893
C6	389598811.527	413258045.034
C7	389595722.638	413265582.155

INTERNAL MANHOLE SETTING OUT

Manhole / IC	Cover Level m	Invert Level m	Chamber Type	Chamber depth (m)	Internal Chamber Size	Cover Clear Opening and Cover Grade	Notes To Building Regulations Part H unless noted
C1	118.341	117.420	PC IC	0.921	1000x675 Rectangular Precast Concrete Blocks	600x800 eccentric BS EN 124 CLASS B125	Internal sealed access fitting Recessed cover finish to match adjacent
C2	118.341	117.270	PC IC	1.071	1000x675 Rectangular Precast Concrete Blocks	600x600 eccentric BS EN 124 CLASS B125	Internal sealed access fitting Recessed cover finish to match adjacent
C3	118.189	116.975	PC IC	1.214	1000x675 Rectangular Precast Concrete Blocks	600x600 eccentric BS EN 124 CLASS B125	Internal sealed access fitting Recessed cover finish to match adjacent Steps Required
C4	118.278	116.260	Plastic RAIC	2.018	600mm Polypropylene Ring	600x600 eccentric BS EN 124 CLASS B125	Reduced access inspection chamber 150mm concrete plinth under cover Double sealed and bolted cover Recessed cover finish to match adjacent
C5	118.313	117.713	PC IC	0.606	1000x675 Rectangular Precast Concrete Blocks	600x600 eccentric BS EN 124 CLASS B125	Internal sealed access fitting Recessed cover finish to match adjacent Steps Required
C6	118.278	116.930	Plastic RAIC	1.348	600mm Polypropylene Ring	600x600 eccentric BS EN 124 CLASS B125	Reduced access inspection chamber 150mm concrete plinth under cover Double sealed and bolted cover Recessed cover finish to match adjacent
C7	118.343	117.485	PC IC	1.148	1000x675 Rectangular Precast Concrete Blocks	600x600 eccentric BS EN 124 CLASS B125	Internal sealed access fitting Recessed cover finish to match adjacent

COMBINED WATER MANHOLE SCHEDULE

Notes :

- This drawing is to be read in conjunction with all relevant Architect's Engineer's and specialists' drawings and specifications.
- Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check that this drawing has been printed to the intended scale this bar should be 50mm long @ A1 or 25mm long @ A3.
- Health & Safety : All specific drawing notes are to be read in conjunction with the project "Information Pack" and "Site Rules".
- Existing drainage information has been taken from Asset Records from United Utilities, Utility Survey information: Geotechnical Engineering Ltd (19.09.2019) and CCTV
- Survey information: Rota-Rod Ltd (15.01.2019), & SPA Cleaning Services Ltd (24.07.19) & Octane Construction Ltd (04.02.2020) & DynoRod (02.12.2020) .
- Route of existing drains, positions of manholes and branch/saddle connections are indicative only. Below ground drainage plotted according to CCTV survey information.
- FWP, RWP and gully positions are plotted indicatively only.
- All RWPs to be trapped & roddable.
- Cavity drainage sump pump locations & discharge route TBC
- For general notes refer to Drawing No. 27876 / 0001.

15	28.09.21	AC	SRe	Courtyard drainage updated & platform lift gully added
14	28.08.21	PJ	SRe	B5 pump layout updated. B7a & B7b floor gully drainage routes updated
13	21.05.21	PJ	SRe	Basement drainage updated
12	10.05.21	PJ	SRe	Basement drainage updated
11	17.03.21	AC	SRe	Cavity Drainage Layout Updated. Remedial works updated. General notes re-added to drawing.
10	01.03.21	PJ	SRe	Cavity Drainage Layout Updated
9	21.01.21	PJ	SRe	Issued for Construction
Ver	Date	Drawn	Eng	Amendment

ROCHDALE TOWN HALL

PROPOSED BASEMENT DRAINAGE LAYOUT PHASE 1

FOR CONSTRUCTION

Drawn	AF	Eng	KB
Scales	1:125 at A1	1:250 at A3	
Drawing No	Ver		
27876 / 6010	15		
Doc Ref.	RTH-PAM-XX-00-DR-C-6010		
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