



KEY PLAN

CORE B CORE A

NB: WHERE POSSIBLE, ALL NEW WATER SERVICES TO USE EXISTING WALL PENETRATIONS.

NB: SOIL VENT PIPES & WATER SERVICES DROPPERS LOCATIONS SUBJECT TO FINAL ARCHITECTURAL TOILETS DETAILS

NB: ALL HATCHED AREAS ARE NOT PART OF PHASE 2 WORKS. EXISTING CEILINGS TO BE REMOVED LOCALLY TO PERMIT INSTALLATION OF NEW SERVICES. CEILINGS TO BE REINSTATE TO THE SAME STANDARD PRE-WORKS. ANY DAMAGE INCURRED TO BE AT THE SUBCONTRACTORS EXPENSE.

- LEGEND**
- WBH WASH HAND BASIN
 - WC WATER CLOSET (EUROPEAN)
 - MCWS MAINS COLD WATER SERVICE
 - BHWSF DOMESTIC BOOSTED HOT WATER SERVICE FLOW
 - BHWSR DOMESTIC BOOSTED HOT WATER SERVICE RETURN
 - HMT HOT WATER MAINTENANCE TAPE
 - BCWS DOMESTIC BOOSTED COLD WATER SERVICE
 - BCWSR DOMESTIC BOOSTED GREY WATER SERVICE
 - BCWSR DOMESTIC BOOSTED RAINWATER SERVICE
 - CATSWS FLUID CATEGORY 5 WATER SUPPLY
 - MDPE MEDIUM DENSITY POLYETHYLENE
 - PIR PRESENT DETECTOR
 - MIXING TAP
 - TH THERMOSTATIC SHOWER MIXING VALVE
 - DCV DOUBLE CHECK VALVE
 - PRV PRESSURE REDUCING VALVE
 - IV ISOLATING VALVE
 - WM WATER METER WITH SUB-PULSE OUTPUT LINKED TO BMS
 - DOC DRAIN OFF COCKS
 - DRV DOUBLE REGULATING VALVE
 - SV SOLENOID VALVE
 - TMV THERMOSTATIC MIXING VALVE
 - TBV THERMOSTATIC BLENDING VALVE
 - NRV NON-RETURN VALVE
 - PTRV PRESSURE AND TEMPERATURE RELIEF VALVE
 - ERV EXPANSION RELIEF VALVE
 - VALVE WITH HOSE UNION
 - SERVICES RUN WITHIN FLOOR VOID/BELOW SLAB
 - SERVICES RUN AT HL
 - SERVICES RUN AT LL

DOMESTIC WATER SERVICES NOTES.

- THIS DRAWING IS ISSUED FOR DESIGN INTENT ONLY AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETAIL THE SETTING OUT AND CO-ORDINATION OF THE SERVICES WITH THE BUILDING FABRIC DETAILS.
- THE WHOLE OF THE DOMESTIC WATER SERVICES INSTALLATION SHALL COMPLY WITH BS.6700, THE WATER REGULATIONS 2000, HSG 70, ACP 18, HTM 64 AND REQUIREMENTS OF THE LOCAL WATER AUTHORITY.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE MECHANICAL, ELECTRICAL, STRUCTURAL, ARCHITECTURAL AND ALL OTHER PUBLIC HEALTH DRAWINGS.
- DO NOT SCALE FROM THIS DRAWING.
- THE PIPEWORK IS TO BE FIRE STOPPED WHEN PENETRATING COMPARTMENT WALLS AND FLOORS CORNER - FIBRE GLASS PACK WITH CONCRETE BACKFILL.
- THE INDIVIDUAL SUPPLIES TO EQUIPMENT ARE TO BE FITTED WITH BALL PATTERN ISOLATING VALVES INCORPORATING A PROPRIETARY FLOW CONTROL DEVICE, DESIGN FLOW RATES ARE TO BE AS FOLLOWS:
WASH HAND BASIN 0.15l/s
SINKS 0.2l/s
WC'S 0.1l/s
SHOWERS 0.2 l/s
EACH WHB, SINK TAP AND SHOWER HEAD TO BE COMPLETE WITH INTERNAL FLOW LIMITER TO COMPLY WITH BREEM REQUIREMENTS.
- ALL PIPEWORK IS TO BE SUPPORTED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- ALL FINAL CONNECTIONS TO FITTINGS TO BE 15° UNLESS OTHERWISE NOTED.
- ALL LOW POINTS WITHIN THE SYSTEM ARE TO BE PROVIDED WITH DRAIN OFF COCKS.
- ALL HIGH POINTS WITHIN THE SYSTEM ARE TO PROVIDED WITH MANUAL AIR COCKS.
- ALL EXPOSED PIPEWORK TO BE CHROMIUM PLATED.
- FOR VALVING ARRANGEMENT REFER TO SCHEMATICS.
- REFER TO SCHEDULES FOR PIPEWORK MATERIALS.

7	10.07.20	FINAL STAGE 4 ISSUE	CAD
6	12.06.20	FINAL STAGE 4 ISSUE	
5	04.06.20	STAGE 4 ISSUE	
4	07.05.20	STAGE 4 ISSUE RECEPTION	CAD
3	27.04.20	STAGE 4 DRAFT ISSUE	CAD
		RECEPTION	
2	08.04.20	STAGE 4 ISSUE	CAD
1	03.04.20	STAGE 4 ISSUE	CAD
0	20.03.20	STAGE 4 DRAFT ISSUE	CAD
Rev	Date	Description	Drawn

Based on architects drawing

XR-04-DR-A-2405

STAGE 4

Project UCL IOE, 20 BEDFORD WAY PHASE 2

Title LEVEL 4 CORE A WATER SERVICES LAYOUT

Scale	Designed By	Checked by	Date
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