



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 REINSTATED TO THE SAME STANDARD PRE-WORKS. ANY DAMAGE INCURRED TO BE AT THE SUBCONTRACTORS EXPENSE.

NOTE THE CONTRACTOR IS TO ALLOW FOR ISOLATING / STRIPPING OUT / CAPPING ETC, THE EXISTING WATER SERVICES FEEDING THE EXISTING DISABLED TOILET

NOTE TOILET AREA AND CLEANERS STORE DOES NOT FORM PART OF THESE WORKS SERVICES PROVISION AND ROUTING TO BE CONFIRMED FOLLOWING VALIDATION

- 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, ACOP L8, 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 COPPER - 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 BE PROVIDED WITH MANUAL AIR COCKS.
  - ALL EXPOSED PIPEWORK TO BE CHROMIUM PLATED.
  - FOR VALVING ARRANGEMENT REFER TO SCHEMATICS.
  - REFER TO SCHEDULES FOR PIPEWORK MATERIALS.

**LEGEND**

- WHB 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
- BCWS 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
- 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
- TEV 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
- BCWS
- BHWS FLOW
- BHWS RETURN

Rev	Date	Description	Drawn
4	12.06.20	FINAL STAGE 4 ISSUE	CAD
3	04.06.20	STAGE 4 ISSUE	CAD
2	08.04.20	STAGE 4 ISSUE	CAD
1	03.04.20	STAGE 4 ISSUE	CAD
0	28.02.20	STAGE 4 DRAFT ISSUE	CAD

Based on architects drawing  
XR-04-DR-A-2405

**STAGE 4**

Project UCL IOE, 20 BEDFORD WAY PHASE 2

Title LEVEL 3 CORE B WATER SERVICES LAYOUT

Scale 1:50@AO  
Designed By TH  
Checked by AJ  
Date NOV'19



7110-20BW-  
LP-CB-03-DR-PH-2612 4

Copyright reserved. This drawing may not be used or reproduced without written consent. Dimensions should not be taken from this drawing.