



BREAKLINE - REFER TO DRAWING 031-00-0200-DR-D-DR003-00

NOTES:

- This drawing is to be read in conjunction with all relevant Architects and Engineers drawings and specifications.
- Do not scale from this drawing. All details and dimensions and levels are to be checked by the contractor prior to commencement of construction. Any discrepancies are to be reported to the Engineer.
- All levels are in meters & dimensions in millimeters unless noted otherwise.
- Design based on topographical survey and/or visual survey of existing drainage only. All existing sewers, connections, pipe sizes and invert levels to be confirmed.
- All sewer lengths shown are from centerline of sewer structure to centerline of sewer structure/sewer for design purposes. It shall be the contractor's responsibility to confirm all measurements.
- All pipework to be verified clay under the building.
- Where existing drainage is being used, cover should be made to accommodate this drainage. Where there is no requirement to keep existing drainage, allowances should be made to abandon this.
- Pipe diameters are indicative only. A capacity check shall be carried out at detailed design stage.
- A CCTV survey of the site is required to investigate all existing drainage and their connections/levels/routes. Any remediation works are to be undertaken as per the CCTV's recommendation prior to construction works. Proposed drainage design is subject to change following CCTV results.
- Any new gully positions and falls to them are indicative and to be designed by the Architect.
- All drainage points are indicative and TBC by M&E engineer.
- Any drainage runs and their connections damaged through construction should be replaced with appropriate to sufficient standards.
- Curfew against no responsibility for defects or inadequacies of existing drainage systems. Failure of site drainage due to an issue with these networks are outside of our remit unless specifically instructed otherwise.
- Falls to gullies by others, exact location TBC and coordinated with level design.
- Allow for smaller diameter branched runs, PPS chambers, gullies, RWP branches etc. These are to be designed at a later detailed design stage.
- Close coordination will be required to ensure drainage excavation does not damage HV cable due to the limited space available.
- All RWP 160mm dia.

KEY:

PRIVATE DRAINAGE

- 1500 - SURFACE WATER DRAIN.
- 1500 - SURFACE WATER CHAMBER.
- R - RAIN WATER DOWN PIPE.
- Y6 - YARD GULLY, 1000 OUTLET.
- SU - CHANNEL DRAIN AND GULLY OUTLET.
- 1500 - FOUL WATER DRAIN.
- SS - STUB STACK.
- SWP - SOIL AND VENT PIPE.
- FG - TRAPPED FOUL GULLY, 1000 OUTLET.
- 1500 - COMBINED CHAMBER.
- 1500 - ABOVE GROUND COMBINED DRAINAGE IN GROUND FLOOR SLAB TO BE COORDINATED WITH BDP.
- 1500 - ABOVE GROUND SURFACE WATER DRAINAGE IN FLOOR SLAB TO BE COORDINATED WITH BDP.
- 1500 - ABOVE GROUND DRAINAGE IN GROUND FLOOR SLAB TO BE COORDINATED WITH BDP.

EXISTING DRAINAGE

- 1500 - SURFACE WATER DRAIN TO REMAIN.
- 1500 - FOUL WATER DRAIN TO REMAIN.
- 1500 - COMBINED DRAIN TO REMAIN.
- 1500 - SURFACE WATER DRAIN TO BE ABANDONED AND FILLED WITH PFA CEMENT GROUT.
- 1500 - FOUL WATER DRAIN TO BE ABANDONED AND FILLED WITH PFA CEMENT GROUT.
- 1500 - COMBINED DRAIN TO BE ABANDONED AND FILLED WITH PFA CEMENT GROUT.
- 1500 - EXISTING CHANNEL DRAIN TO REMAIN.

GENERAL

- 1:50 - BASEMENT OUTLINE.
- 1:50 - PROPOSED FALL.

EXISTING SERVICES

- BT - TELECOMMUNICATION.
- WATER - WATER.
- GAS - GAS.
- CABLE - CABLE.
- ELEC - ELECTRICITY.

P05	CHANNEL SPECIFICATION NOTE ADDED. YARD GULLIES MOVED. MOVEMENT JOINT NOTE ADDED.	15.12.15	ABS	TL
P04	SW03 REMOVED. CW01 RELOCATED.	01.12.15	NH	TL
P03	REVISED FOLLOWING COORDINATION MEETING.	24.11.15	NH	TL
P02	NH: SW01, SW04, SW05, SW06 MODIFIED.	17.11.15	SC	TL
P01	TENDER	10.11.15	OM	TL
Rev:	Description:	Date:	By:	Chkd:

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Status: TENDER

Project: UCL
NEW STUDENT CENTRE

Drig Title: DRAINAGE LAYOUT
GROUND FLOOR

Scale: 1:100 Size: A1 First Issue: 17.04.15 Drawn: OM Checked: TL

Drig No: 031-00-0200-DR-D-DR001-00 Rev: P05

MANHOLE SCHEDULE									
Manhole No.	MH Size	Cover Duty	Cover Size	Cover Level	Invert Level	Existing(m)	North(m)		
SW01	1050ø	D400	400x400mm	CL25.00	IL21.00	529669.475	182295.327	HYDROBRAKE CHAMBER	
SW02	1050ø	D400	400x400mm	CL24.00	IL21.12	529653.202	182283.319	SIPHONIC BREAK	
SW02a	750x750mm	D400	750x750mm	CL28.50	IL27.80	529635.531	182291.963		
SW03	750x750mm	FACTA B DOUBLE SEALED AND RECESSED	750x750mm	CL23.90	IL22.32	-	-	INTERNAL (NO LONGER REQUIRED)	
SW03a	750x750mm	FACTA B DOUBLE SEALED AND RECESSED	750x750mm	CL23.90	IL22.32	-	-	SIPHONIC BREAK CHAMBER/INTERNAL	
SW03b	450ø	D400	450ø	CL23.64	IL22.85	529632.123	182307.361		
SW04	1050ø	D400	400x400mm	CL24.00	IL21.12	529656.090	182284.028		
SW05	1050ø	D400	400x400mm	CL24.00	IL21.12	529657.579	182285.150		
SW06	1050ø	D400	400x400mm	CL24.00	IL21.12	529658.947	182286.127		
CW01	750x750mm	FACTA B DOUBLE SEALED AND RECESSED	750x750mm	CL23.90	IL22.24	-	-	INTERNAL	
CW02	450ø	D400	450ø	CL23.80	IL22.72	529632.277	182306.513		

