



WORK IN PROGRESS

ALL DRAINAGE INFORMATION ON THIS DRAWING IS SUBJECT TO CHANGE AS THE FOLLOWING INFORMATION IS EITHER YET TO BE FINALISED OR AGREED.

- CONDITION DISCHARGE
- EXTERNAL FINISHED LEVELS
- COVER LEVELS
- DRAINAGE CHANNEL/ GULLY POSITIONS
- FOUL WATER FLOW RATES
- SURFACE WATER FLOW RATES
- S106 APPLICATION
- EXTERNAL BELOW GROUND UTILITIES

LEGEND

- SITE BOUNDARY
- EXISTING DRAINAGE
- COMBINED SEWER
- SURFACE WATER SEWER
- FOUL WATER DRAIN
- SURFACE WATER DRAIN
- SURFACE WATER GULLY
- PROPOSED DRAINAGE
- INDICATIVE SURFACE FALL
- SURFACE WATER DRAIN
- ACO ROADRAIN & SUMP UNIT
- ROAD GULLY
- RAINWATER DOWNPIPE
- FOUL WATER DRAIN
- FOULWATER POP-UP

INDICATIVE SURFACE WATER CONNECTION TO EXISTING PRIVATE DRAIN. SUBJECT TO AGREEMENT WITH THE LLFA & UU

EXISTING SITE DISCHARGE
Q1: 43.8 l/s, Q30: 116.3 l/s, Q100: 149.4 l/s
PROPOSED SITE DISCHARGE
Q1: 42.1 l/s, Q30: 106.1 l/s, Q100: 133.2 l/s

PROPOSED FOUL WATER BACKDROP CONNECTION TO EXISTING PRIVATE MANHOLE
PEAK FLOW: 3.5 l/s

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NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS, ENGINEERS AND SPECIALIST DRAWINGS AND SPECIFICATIONS.
3. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ENGINEER IMMEDIATELY SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
4. BEFORE STARTING ANY WORKS, CONTRACTOR TO CHECK INVERT LEVELS AND POSITIONS OF EXISTING DRAINS, SEWERS, INSPECTION CHAMBERS AND MANHOLES AGAINST INFORMATION SHOWN ON THIS DRAWING.
5. ROCKER PIPES ARE TO BE PROVIDED AT ALL CONCRETE CASED INTERFACES.
6. CLASS 2 CONCRETE SURROUND TO BE PROVIDED FOR PIPES WITH COVER LESS THAN 0.9m ABOVE THE CROWN OF THE PIPE FOR ROADS AND 0.6m FOR SOFT AND PEDESTRIAN AREAS ONLY AND UNDER ALL FOUNDATIONS AND WHERE PIPES LAID WITHIN 1m OF FOUNDATIONS.
7. CONNECTIONS TO EXISTING PUBLIC SEWERS IN ACCORDANCE WITH UNITED UTILITIES REQUIREMENTS, TO BE APPROVED / AGREED WITH THE WATER AUTHORITY.
8. PROPOSED COVER LEVELS ARE INDICATIVE ONLY AND SHALL BE CHECKED BY THE CONTRACTOR ON SITE TO SUIT THE EXACT FINISHED LEVEL AND GRADIENT.
9. ALL DRAINAGE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY BUILDING CONTROL AND IN CONJUNCTION WITH ALL RELEVANT BRITISH STANDARDS, CODES OF PRACTICE AND WATER UK DOCUMENT DESIGN AND CONSTRUCTION GUIDANCE FOR FOUL AND SURFACE WATER SEWERS.
10. ACCESS COVERS AND FRAMES SHALL COMPLY WITH THE LOADINGS SPECIFIED AND TO BS EN 124 AND KITEMARKED OR IF RECESSED COVERS ARE SPECIFIED THEN IN ACCORDANCE WITH FACTA ASSOCIATION EQUIVALENT. ALLOW FOR RECESSED MANHOLE COVERS TO ACCEPT LANDSCAPE ARCHITECT FINISHES TO ALL NON-ASPHALT EXTERNAL AREAS.
11. THE PROPOSED BUILDING LAYOUTS SHOWN ON THIS DRAWING ARE FOR INFORMATION ONLY. REFER TO ARCHITECTS PLANS FOR PRECISE LOCATION SETTING OUT INFORMATION AND DETAILS.
12. FOR SETTING OUT DIMENSIONS OF SSS, SVPS, RWPS, FLOOR GULLIES & OTHER DRAINAGE POP-UP LOCATIONS, REFER TO ARCHITECTS OR MECHANICAL & ELECTRICAL ENGINEERS DRAWINGS.
13. ALL DRAINAGE PIPEWORK SHOWN SHALL BE 100mm DIAMETER FOR FOUL AND 150mm FOR SURFACE WATER UNLESS NOTED OTHERWISE. ALL DRAINAGE PIPEWORK SHALL BE LAID SLOTTED TO SLOTTED UNLESS OTHERWISE STATED.
14. ALL UNDERSLAB DRAINAGE SHALL BE LAID AT GRADIENTS OF 1:80 MIN. FOR FOUL PIPEWORK AND 1:100 MIN. FOR SURFACE WATER UNLESS NOTED OTHERWISE. ALL UNDERSLAB DRAINAGE SHALL BE CLEAR OF FOUNDATIONS UNLESS SHOWN OTHERWISE. USE OF SHORT/LONG RADIUS BENDS IS ACCEPTABLE PROVIDED THEY ARE KEPT TO A MINIMUM AND USED WHERE UNAVOIDABLE.
15. AT LEAST ONE SOIL PIPE AT THE HEAD OF EACH FOUL RUN SHALL BE VENTED TO THE ATMOSPHERE. ALL RAINWATER PIPES SHALL HAVE ABOVE GROUND RIDDING ACCESS.
16. ALL PRIVATE DRAINAGE PIPEWORK FOR FOUL AND SURFACE WATER SYSTEMS HAVE BEEN DESIGNED ON THE BASIS OF UPVC TO BS EN 1401-1, UNLESS NOTED OTHERWISE.
17. CONCRETE ENCASUREMENT OF THE PIPEWORK SHALL BE REQUIRED WHERE THE VERTICAL CLEARANCE BETWEEN TWO PIPES CROSSING IS LESS THAN 300MM.
18. WHERE NEW DRAINAGE IS SITUATED WITHIN 3 METRES OF NEW OR EXISTING TREES THE PIPEWORK SHALL BE ENCASED IN CONCRETE TO REDUCE THE RISK OF ROOT INGRESS.
19. ALL NEW DRAINAGE INSTALLATIONS TOGETHER WITH ANY EXISTING DRAINAGE RETAINED SHALL BE JETTED AND CCTV SURVEYED UPON COMPLETION. CONTRACTOR TO ENSURE THAT THE DRAINAGE SYSTEM IS FULLY OPERATIONAL, FREE OF EXCESS DEBRIS/SILT AND ALL IDENTIFIED FAULTS RECTIFIED.

P01	17.03.25	PRELIMINARY ISSUE	ARJ	MN
REV	DATE	DETAILS	DRN	CHK

DRAWING STATUS
PLANNING

RIBA STAGE
STAGE 4

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DRAWN ARJ	DATE MAR 25	SCALES 1:150
CHECKED PAW	DATE MAR 25	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE --DO NOT SCALE--
APPRVD. MN	DATE MAR 25	EMAIL FOR DRAWINGS info@rocconsulting.com

CLIENT

PROJECT TITLE
**WHITEFIELD CENTRE
TEMPORARY MODULAR SCHOOL**

DRAWING TITLE
**FOUL & SURFACE DRAINAGE
GENERAL ARRANGEMENT**

DRAWING No. 4872/ROC/ZZ/XX/DR/C/0501	REV. P01
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