

Notes

- THIS DRAWING IS THE COPYRIGHT OF TIER CONSULT GROUP AND CANNOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN CONSENT FROM THE COMPANY.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT'S, ENGINEERS' AND SPECIALIST'S DRAWINGS TOGETHER WITH THE APPROPRIATE SPECIFICATION.
- ALL DIMENSIONS ARE IN MILLIMETRES UNO, FOR THE PURPOSES OF CONSTRUCTION THIS DRAWING MUST NOT BE SCALED AND ONLY WRITTEN DIMENSIONS USED. IT IS THE CONTRACTORS RESPONSIBILITY TO CHECK ALL DIMENSIONS ON SITE PRIOR TO CONSTRUCTION AND ANY DISCREPANCY TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER IN WRITING.
- ALL LEVELS ARE IN METRES UNO TO OS DATUM.
- THE WORKS SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING SPECIFICATION.
- THE LOCATION LINE & LEVEL OF ALL KNOWN EXISTING DRAINAGE PIPEWORK INDICATED ON THE DRAWINGS ARE APPROXIMATE AND FOR GUIDANCE PURPOSES ONLY.
- CONNECTION TO THE EXISTING PUBLIC SEWERS WILL BE SUBJECT TO THE RELEVANT APPROVALS FROM THE STATUTORY UNDERTAKER.
- IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THEIR EXACT LINE AND LEVEL, BY WAY OF HAND EXCAVATED TRIAL PITS, PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION WORKS ON SITE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS AND MAINTAIN THE STRUCTURAL INTEGRITY OF ALL ABOVE AND BELOW GROUND SERVICE INSTALLATIONS.
- THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THROUGHOUT THE DURATION OF THE CONTRACT A FULL TRAFFIC MANAGEMENT SYSTEM TO ENSURE SAFE PASSAGE OF VEHICLES/PEDESTRIANS IN THE VICINITY OF THE WORKS. ALL TRAFFIC SIGNS, SIGNALS, BARRIERS ETC. SHALL BE IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.
- THE CONTRACTOR SHALL MAKE ADEQUATE PROVISION FOR DEALING WITH AND DISPOSING OF GROUND/SURFACE WATER ENCOUNTERED DURING EXCAVATIONS.
- ALL SOFT / HARD PAVED AREAS AFFECTED BY THE WORKS SHALL BE FULLY REINSTATED FOLLOWING THE INSTALLATION OF ALL DRAINAGE WORKS. ALL SURFACE MARKINGS AFFECTED BY THE WORKS SHALL BE FULLY REINSTATED.
- ALL SURPLUS EXCAVATED MATERIAL SHALL BE DISPOSED IN A DESIGNATED AREA ON SITE.
- UPON COMPLETION OF THE WORKS THE CONTRACTOR SHALL PROVIDE AS BUILT SETTING OUT CO-ORDINATE AND LEVEL INFORMATION ALONG WITH A FULL CCTV REPORT AND LAYOUT.
- PIPEWORK WITH LESS THAN 750mm OF COVER IN TRAFFICKED AREAS TO BE CONCRETE ENCASED. (BEDDING CLASS 2)
- PIPEWORK WITH MORE THAN 750mm OF COVER TO HAVE CLASS 5 GRANULAR BED AND SURROUND.
- POLYPROPYLENE INSPECTION CHAMBERS OF 4500 x 1.2m DEEP TO BE FITTED WITH A REDUCED ACCESS FITTING.
- SOIL STACKS - WHERE SOIL STACKS SERVE MULTIPLE STOREYS THE STACK REST BEND IS TO BE MINIMUM 750mm BELOW THE LOWEST BRANCH CONNECTION. WHERE SEPARATE STACKS ARE PROVIDED FOR GROUND FLOOR, REST BENDS MAY BE 450mm MINIMUM BELOW THE LOWEST CONNECTION.
- SVP CONNECTIONS TO BE 100mm DIA UNO.
- ALL FO AND RWP LOCATIONS TO BE TO BE COMPLETE WITH A LOW LEVEL ACCESS PLATE FOR ROODING.
- WHERE PROPOSED DRAINAGE PIPEWORK RUNS ARE IN CLOSE PROXIMITY TO THE NEW FOUNDATIONS, THE CONTRACTOR SHALL ALLOW FOR EXTENDING THE DEPTH OF NEW FOUNDATIONS IN LEAN MIX CONCRETE DOWN TO THE PROPOSED PIPE BEDDING LEVEL.
- THE HYDRAULIC DESIGN HAS BEEN CARRIED OUT IN ACCORDANCE WITH CIRIA REPORT C753 THE SUDS MANUAL AND THE HYDRAULIC DESIGN OF PIPELINES AND OTHER CONDUITS HAS BEEN CARRIED OUT IN ACCORDANCE WITH BS EN 16933-7.

Legend:

- REDLINE BOUNDARY.
- Ex. FOUL PUBLIC SEWER.
- Ex. SURFACE WATER HIGHWAY SEWER.
- Ex. SURFACE WATER HIGHWAY SEWER TO BE DIVERTED AND GRUBBED UP.
- DIVERTED ROUTE OF Ex. SURFACE WATER HIGHWAY SEWER & ASSOCIATED MANHOLES.
- PROPOSED SURFACE WATER DRAIN.
- PROPOSED SURFACE WATER DRAIN (TYPICALLY 1000 FROM RWP AND 1500 FROM RG/SU UNO).
- PROPOSED SURFACE WATER INSPECTION CHAMBER / MANHOLE.
- PROPOSED LINEAR DRAINAGE CHANNEL.
- RG
- RWP
- RWP
- PROPOSED PERMEABLE SURFACING TO PARKING BAYS - DIT TYPE 3 OR TYPE 1x TANKED WITH AN IMPERMEABLE MEMBRANE WITH UNDER FILTER DRAIN.
- PROPOSED SURFACE WATER CELLULAR ATTENUATION SYSTEM.
- PROPOSED Foul DRAIN (1000 UNO).
- PROPOSED Foul Rising Main.
- PROPOSED Foul Inspection Chamber / Manhole.
- FO
- PROPOSED Foul OUTLET.

NOTE:

- ALL EXISTING DRAINAGE TRC.
- ALL SURFACE WATER CHAMBERS ARE TO BE PCC WITH D400 COVERS UNO.
- ALL FOUL CHAMBERS ARE TO BE MIN 4500 HD PPIC WITH D400 COVERS (C250 IN SOFT LANDSCAPED AREAS) UNO.
- ALL DRAINAGE WITH LESS THAN 750 COVER IS TO BE ENCASED IN MIN 150THK C32/40 CONCRETE.
- ALL GATIC UNITS TO HAVE ACCESS BOX AT HEAD OF RUNS AND SILT BOX AT OUTLET LOCATIONS SUBJECT TO DESIGN BY ALUMASC WMS.
- VENT PIPES FROM INTERCEPTORS TO BE SITED IN SOFT LANDSCAPED AREAS.



TYPICAL D400 (min 600 x 600) SIPHONIC BREAK CHAMBER MANHOLE COVER.

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P3	08.05.2025	CCF	Updated to suit latest site plan	CCF	PJB
P2	08.04.2025	CCF	Updated to suit latest site plan	CCF	PJB
P1	02.05.2024	CCF	Preliminary Issue	JH	PJB
Rev	Date	By	Description	Chk	App

PRELIMINARY



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Client:

Barberry Bardon Ltd

Project Title:

PROJECT EXCELLENCE.

Drawing Title:
PROPOSED DRAINAGE LAYOUT.
SHEET 2.

Drawing Scale:	Drawn By:	Drawing Start Date:
1:500 @ A0	C.C. FITTON	25.01.2024

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