



NOTE:
FOUL GULLIES PROVIDED FOR BIN STORE WASH DOWN - GULLY TO BE KESSEL ODOUR STOP TYPE.

FOUL GULLIES TO BE PROVIDED IN BASE OF EACH WEIGHBRIDGE AND CONNECT INTO FUEL/OIL INTERCEPTOR - DETAILS TBC UPON RECEIPT OF WEIGHBRIDGE DETAIL DRAWINGS.

FOUL DRAINAGE ADJACENT TO VEHICLE MAINTENANCE UNIT FOR CONNECTION TO VEHICLE PITS - ALL DETAILS TBC.

FOUL DRAINAGE MAY BE REQUIRED TO BE DEEPER TO ACCEPT DRAINAGE FROM THE WEIGHBRIDGES AND VEHICLE PITS - THIS CAN ONLY BE CONFIRMED UPON RECEIPT OF DETAILED INFORMATION CONFIRMING DEPTHS AND LOCATIONS.

DIT TYPE 3 SUB-BASE TO CENTRAL BAYS OF CARPARK BAYS TO CONTINUE UNDER CENTRAL FOOTWAY.

PROPOSED SPEL VEHICLE WASH CLASS 2 FULL RETENTION PETROL/OIL SEPARATOR MODEL WDS200/2000. ALLOW FOR A 250mm THK GRADE C28/35 CONCRETE BED AND SURROUND ON 450mm THK DIT TYPE 1 SUB-BASE TOGETHER WITH A SOLAR POWERED AUDIBLE AND VISUAL SEPARATOR ALARM MOUNTED WITHIN THE MAINTENANCE BUILDING OR FIXED TO THE YARD SLAB. EXACT LOCATION OF SEPARATOR ALARM AND SEPARATOR VENT PIPE TO BE AGREED. INSTALLATION TO BE IN ACCORDANCE WITH THE MANUFACTURES REQUIREMENTS. CL 157.823 INLET IL OUTLET IL

PROPOSED SPEL VEHICLE WASH SILT SEPARATOR MODEL S7800/12. ALLOW FOR A 250mm THK GRADE C28/35 CONCRETE BED AND SURROUND ON 450mm THK DIT TYPE 1 SUB-BASE. INSTALLATION TO BE IN ACCORDANCE WITH THE MANUFACTURES REQUIREMENTS. CL 157.800

PROPOSED 2.00m DEEP ATTENUATION BASIN TO ACHIEVE A VOLUME OF 157.0m³ REQUIRED TO CATER FOR THE 1 IN 100 YEAR EVENT +40% FOR CLIMATIC CHANGE. SLOPE SIDES TO BE AT A GRADIENT OF 1 IN 3. ATTENUATION BASIN FINISH/VEGETATION TO BE ADVISED BY LANDSCAPER. Top of Basin = 158.00m Base of Basin = 156.00m Water Level (1 IN 100YR + 40%CC) = Water Level (1 IN 2YR) =

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 ARCHITECTS', 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 DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER IN WRITING.
- ALL LEVELS ARE IN METRES UNO TO 05 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.
- 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 TRAFFICED 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 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 CIBIA REPORT 148. THE HYDRAULIC DESIGN OF PIPELINES AND OTHER CONDUITS HAS BEEN CARRIED OUT IN ACCORDANCE WITH BS EN 16933-7.

Legend:

- RED LINE 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. (TYPICALLY 1000 FROM RWP AND 1500 FROM RG/SU UNO).
- PROPOSED SURFACE WATER INSPECTION CHAMBER / MANHOLE.
- PROPOSED LINEAR DRAINAGE CHANNEL.
- PROPOSED TRAPPED ROAD GULLY.
- PROPOSED SIPHONIC RAINWATER PIPE.
- PROPOSED RAINWATER DOWN PIPE.
- 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.
- PROPOSED FOUL OUTLET.

NOTE:

- ALL EXISTING DRAINAGE TBC.
- 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.

Rev	Date	By	Description	Chk	App
P4	13.05.2025	CCF	Client name updated	CCF	PJB
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

PRELIMINARY



Client:

Barberry Bardon Ltd

Project: PROJECT EXCELLENCE.

Drawing Title: PROPOSED DRAINAGE LAYOUT.

SHEET 1.

Drawing Scale: 1:500 @ A0

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