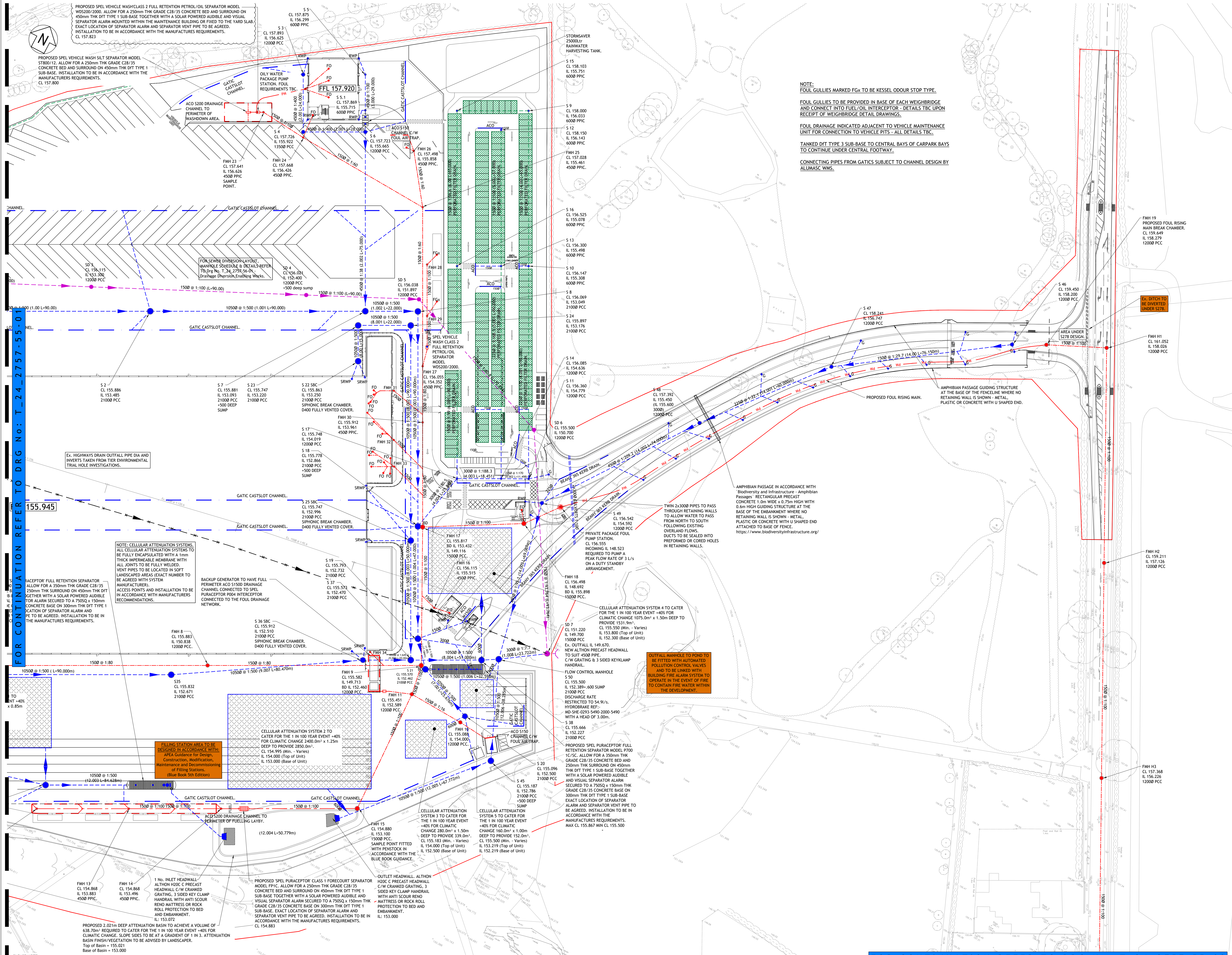




Notes

1. THIS DRAWING IS THE COPYRIGHT OF TIER CONSULT GROUP AND CANNOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN CONSENT FROM THE COMPANY.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTS, ENGINEERS AND SPECIALIST'S DRAWINGS TOGETHER WITH THE APPROPRIATE SPECIFICATION.
3. 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.
4. ALL LEVELS ARE IN METRES UNO & TO OS DATUM.
5. THE WORKS SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING SPECIFICATION.
6. THE LOCATION LINE & LEVEL OF ALL KNOWN EXISTING DRAINAGE PIPEWORK INDICATED ON THE DRAWINGS ARE APPROXIMATE AND FOR GUIDANCE PURPOSES ONLY.
7. CONNECTION TO THE EXISTING PUBLIC SEWERS WILL BE SUBJECT TO THE RELEVANT APPROVALS FROM THE STATUTORY UNDERTAKER.
8. 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.
9. 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.
10. THE CONTRACTOR SHALL MAKE ADEQUATE PROVISION FOR DEALING WITH AND DISPOSING OF GROUND/SURFACE WATER ENCOUNTERED DURING EXCAVATIONS.
11. 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.
12. ALL SURPLUS EXCAVATED MATERIAL SHALL BE DISPOSED IN A DESIGNATED AREA ON SITE.
13. 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.
14. PIPEWORK WITH LESS THAN 1200mm OF COVER IN TRAFFICED AREAS TO BE CONCRETE ENCASED, (BEDDING CLASS 2).
15. PIPEWORK WITH MORE THAN 1200mm OF COVER TO HAVE CLASS 5 GRANULAR BED AND SURROUND.
16. POLYPROPYLENE INSPECTION CHAMBERS OF 4500 x 1.2m DEEP TO BE FITTED WITH A REDUCED ACCESS FITTING.
17. SOIL STACKS - WHERE SOIL STACKS SERVE MULTIPLE STOREYS THE STACK REST BEND IS TO BE MINIMUM 750mm BELOW THE LOWEST BRANCH CONNECTION.
18. WHERE SEPARATE STACKS ARE PROVIDED FOR GROUND FLOOR, REST BENDS MAY BE 450mm MINIMUM BELOW THE LOWEST CONNECTION.
19. SVP CONNECTIONS TO BE 100mm DIA UNO.
20. ALL FO AND RWP LOCATIONS TO BE TO BE COMPLETE WITH A LOW LEVEL ACCESS PLATE FOR ROODING.
21. 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.
22. THE HYDRAULIC DESIGN HAS BEEN CARRIED OUT IN ACCORDANCE WITH BS EN 15389:2003 AND BS EN 15389:2003 PART 2:2003.

- 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 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 GATC 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.
 - MANHOLE COVERS IN PAVED AREAS ARE TO BE RECESSED.
 - ACO CHANNELS WITHIN CARPARK ARE TO BE M1500 WITH HELL GRUARD GRATINGS AND SUMP AT OUTFALL LOCATIONS.



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

Rev	Date	By	Description	Chk	App
P5	31.07.2025	CCF	Updated to suit LFA comments	CCF	PJB
P4	13.05.2025	CCF	Client name updated	CCF	PJB
P3	08.05.2025	CCF	Updated to suit latest site plan	CCF	PJB
P2	05.04.2025	CCF	Updated to suit latest site plan	CCF	PJB
P1	02.05.2024	CCF	Preliminary Issue	JH	PJB

PRELIMINARY

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Client: **Barberry Barton 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

TIER Project Number	Revision
T_24_2757	P5

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FOR CONTINUATION REFER TO DRG No: T_24_2757-55-03