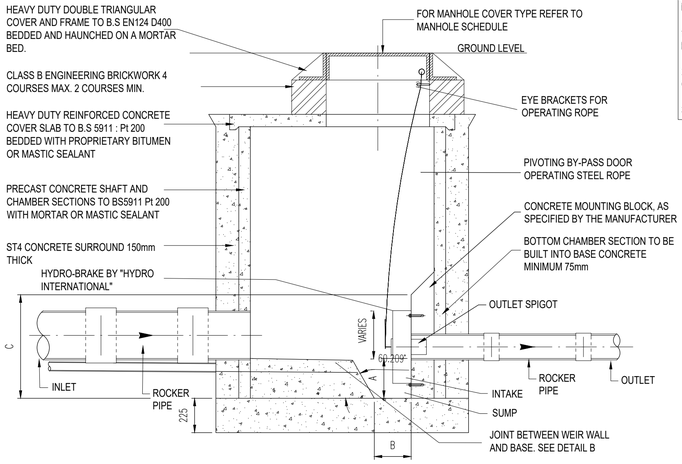
FLOW CONTROL DETAILS												
MH NO.	INVERT LEVEL (m A.O.D.)	DESIGN HEAD (m)	DESIGN FLOW (l/s)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	MANHOLE DIAMETER (mm)	OUTLET DIA. (mm)	HYDROBRAKE REF.
SW15	118.839	1.7	5	370	210	925	105	580	785	1350	450	SHE-0095-5000-1700-5000



SECTION A-A

SCALE 1:20

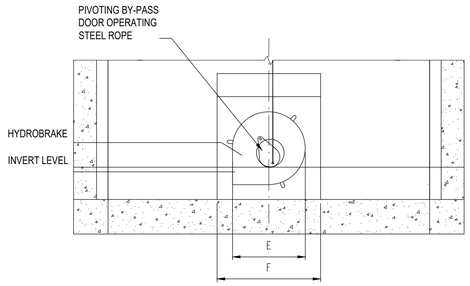
NOTE:

1) FLOW CONTROL CHAMBER SHALL BE CONSTRUCTED USING PROPRIETARY PREFORMED ELEMENTS.

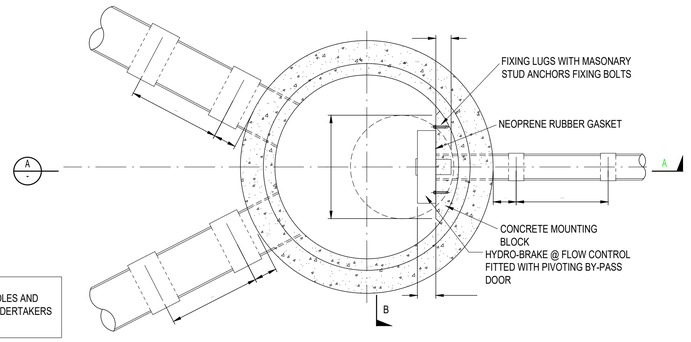
2) INSTALLATION DETAIL OF ANY PROPRIETARY ELEMENT TO BE CONFIRMED BY MANUFACTURER.

3) HYDROBRAKE AS PER CONTRACTOR'S PROPOSAL

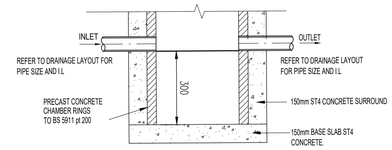
NOTE:
FOR ADOPTED SEWERS THE DESIGN OF MANHOLES AND ACCESS ARRANGEMENTS TO COMPLY WITH UNDERTAKERS REQUIREMENTS AND SAFETY POLICY.



SECTION B-B

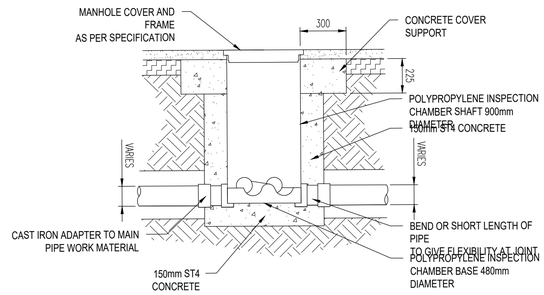


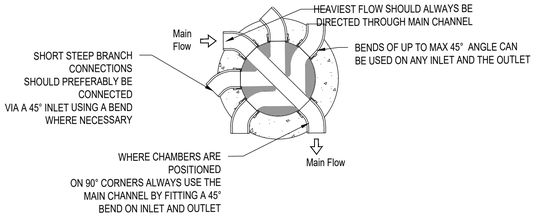
FLOW CONTROL PLAN



TYPICAL CATCHPIT DETAIL

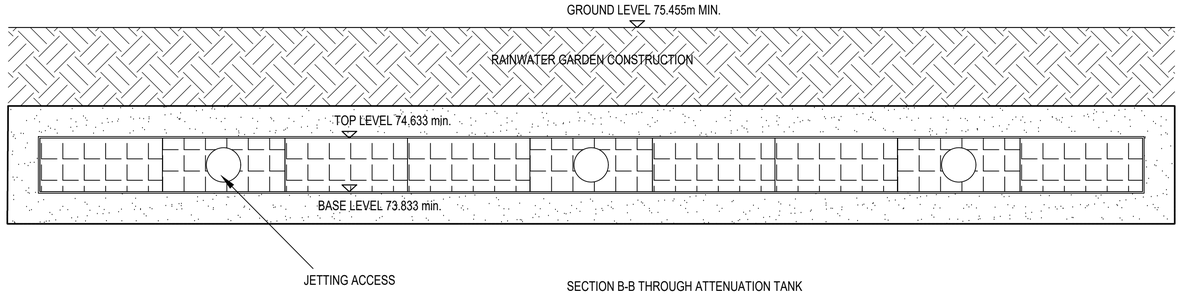
SCALE 1:20



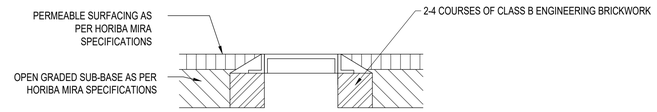


TYPICAL POLYPROPYLENE INSPECTION CHAMBER DETAIL PPIC

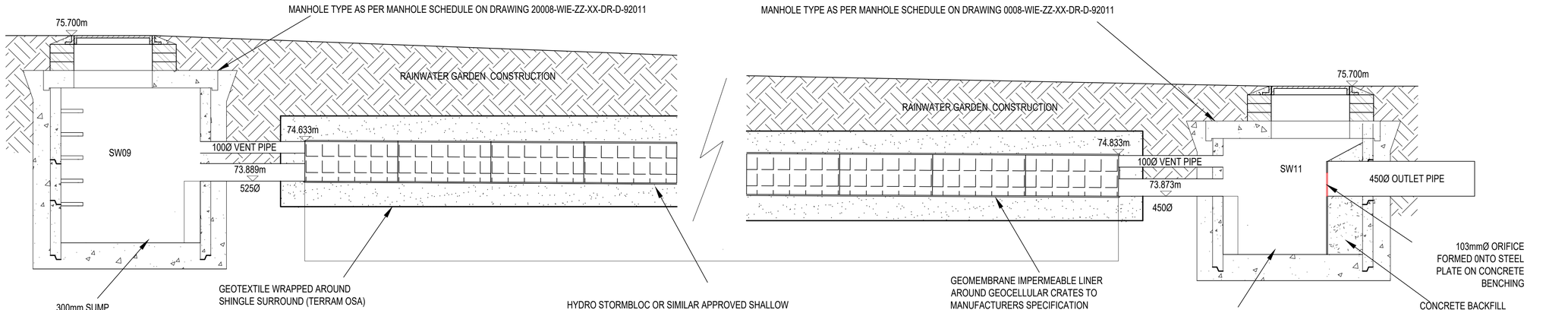
SCALE 1:20



SECTION B-B THROUGH ATTENUATION TANK



TYPICAL MANHOLE DETAIL WITHIN STANDARD VERGE



SECTION A-A THROUGH ATTENUATION TANK

1:20 0 0.5m 1m 1.5m 2m

1:1 0 10 20 30 40 50 60 70 80 90 100

This drawing should not be scaled. Dimensions to be verified on site.
Any discrepancies should be referred to the Engineer prior to work being put in hand.

This drawing is the property of Waterman Infrastructure & Environment Limited, and the drawing is issued on the condition that it is not copied reproduced, retained or disclosed to any unauthorised person, either wholly or in part without the consent in writing of Waterman Infrastructure & Environment Limited
Pickfords Wharf, Clink Street, London SE1 9DG t 020 7928 7888 f 03333 444 501

GENERAL NOTES

1. DO NOT SCALE THIS DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, ENGINEER'S, SERVICES AND SPECIALIST DRAWINGS AND SPECIFICATIONS.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. ANY DISCREPANCIES IN DIMENSIONS OR DETAILS ON OR BETWEEN THESE DRAWINGS SHOULD BE DRAWN TO THE ATTENTION OF THE ARCHITECT AND/OR THE ENGINEER.
5. ALL COVER AND INVERT LEVELS ARE SHOWN IN METRES AND PIPE DIAMETERS ARE IN MILLIMETRES.
6. ALL BUILDING DRAINAGE TO BE INSTALLED AND TESTED IN COMPLIANCE WITH THE BUILDING REGULATIONS 2000 DRAINAGE AND WASTE DISPOSAL APPROVED DOCUMENT H 2002 EDITION
7. ALL COMPONENTS AND MATERIALS ARE TO BE MANUFACTURED AND SUPPLIED IN ACCORDANCE WITH THE RELEVANT BRITISH STANDARDS, AND LAID AND BACKFILLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND THE RELEVANT BRITISH STANDARDS.
8. THE CONTRACTOR SHALL, BEFORE COMMENCING THE WORKS, VERIFY ALL SITE AND SETTING OUT DIMENSIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUE AND PROPER SETTING OUT OF THE WORKS AND FOR THE CORRECTNESS OF THE POSITION, LEVELS, DIMENSIONS AND ALIGNMENT OF ALL PARTS OF THE WORKS.
9. ALL ABOVE GROUND DRAINAGE TO INCORPORATE RODDING ACCESS FACILITIES.
10. INSITU CONCRETE FOR USE IN GENERAL DRAINAGE WORKS, GRADE TO BS 5328.
11. ALL DRAINAGE PIPEWORK UNDER THE BUILDING FLOOR SLAB TO HAVE A MINIMUM GRADIENT OF 1:40 AND TO BE A MINIMUM 100mm DIAMETER PIPEWORK. UNLESS OTHERWISE SHOWN.
12. MINIMUM GRADIENT FOR ALL EXTERNAL 100mm DIAMETER PIPEWORK TO BE 1:80 AND 150mm DIAMETER PIPEWORK TO BE 1:150.
13. ALL BRANCH DISCHARGE PIPES SHOULD NOT DISCHARGE INTO STACK LOWER THAN 450mm ABOVE THE THE INVERT OF THE TAIL OF THE BEND AT THE FOOT OF THE STACK. THE BEND AT THE FOOT OF THE STACK SHOULD HAVE A LARGE A RADIUSKS POSSIBLE AND AT LEAST 200mm AT THE CENTRE LINE.
14. ALL DRAINAGE GULLIES TO BE TRAPPED AND TO BE 150mmØ.
15. FOR INTERNAL DRAINAGE POSITIONS REFER TO ARCHITECTS CURRENT WORKING DRAWINGS.
16. ALL BELOW SLAB DRAINAGE TO BE CAST IRON TO BS EN 877. CONTRACTOR'S PREFERENCE OF USING CLAYWARE PIPE IS ACCEPTABLE AND INSTALLATION TO BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
17. ALL EXTERNAL DRAINAGE TO BE CONCRETE TO BS 5911 OR CLAYWARE TO BS EN 295. PIPES WITHIN PERMEABLE PAVING AND RAINGARDEN TO BE POLYETHYLENE PIPES.
18. ROOT BARRIER, TERRAM ROOT GUARD OR SIMILAR APPROVED, TO BE INSTALLED AROUND MANHOLES AND DRAINAGE PIPES WHERE THEY REMAIN IN CLOSE PROXIMITY TO PROPOSED TREES.
19. INSTALLATION OF ALL PROPRIETARY PRODUCTS TO BE IN ACCORDANCE WITH MANUFACTURER'S DETAILS.

Rev	Date	Description	By	Chk
C01	30.05.24	FIRST ISSUE	AS	SS

Amendments

Project
HINCKLEY CDC AND ENDOSCOPY

Title
PROPOSED DRAINAGE DETAILS SHEET 3 OF 4

Client
DARWIN GROUP

5th Floor One Cornwall Street Birmingham B3 2DX
t 0121 212 7700
mail@watermangroup.com www.watermangroup.com

Work Stage	STAGE 4 Technical Design	RIBA	
Suitability	STAGE COMPLETE	A1	
Designed By	AS	Director SS	Waterman Ref WIE19849
Drawn By	AS	Date MAY 2024	Scales @ A1 1:20

Project | Originator | Functional | Spatial | Form | Discipline | Number: 19849-WIE-ZZ-XX-DR-D-92-008

Revision: C01

File Path: \\waterman-consulting.com\legacy\files\BM_WIE\Projects\WIE19849 Hinckley Daycare\1007_CAD\92_Drainage\

A1-Wat-ISO-S-2023, X-Standard_drainage_details - Stage 4