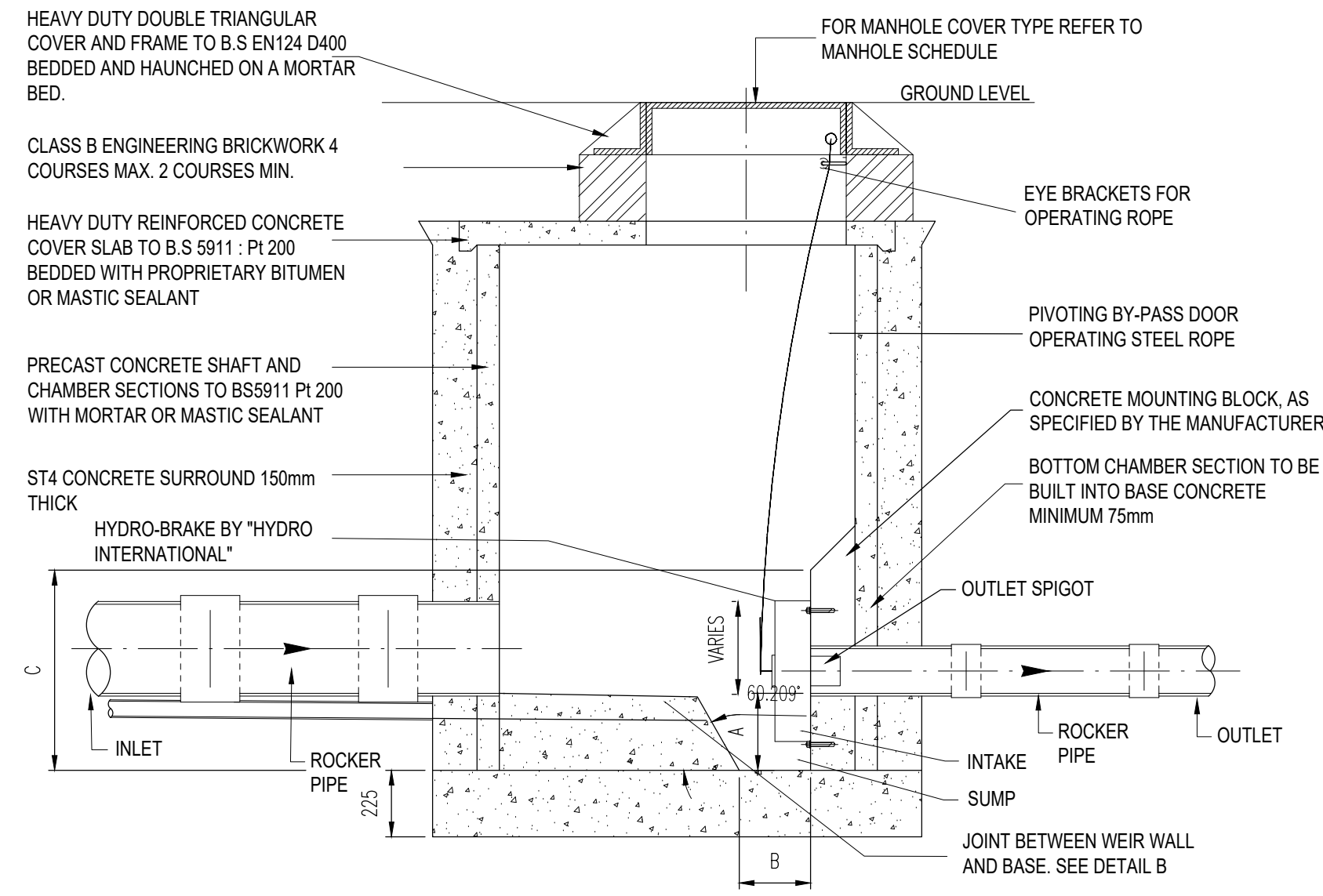


FLOW CONTROL DETAILS												
MH NO.	INVERT LEVEL (m A.O.D.)	DESIGN HEAD (m)	DESIGN FLOW (l/s)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	MANHOLE DIAMETER (mm)	OUTLET DIA. (mm)	HYDROBRAKE REF.
SW15	118.839	1.7	5	370	210	925	105	580	785	1200	300	SHE-0095-5000-1700-5000

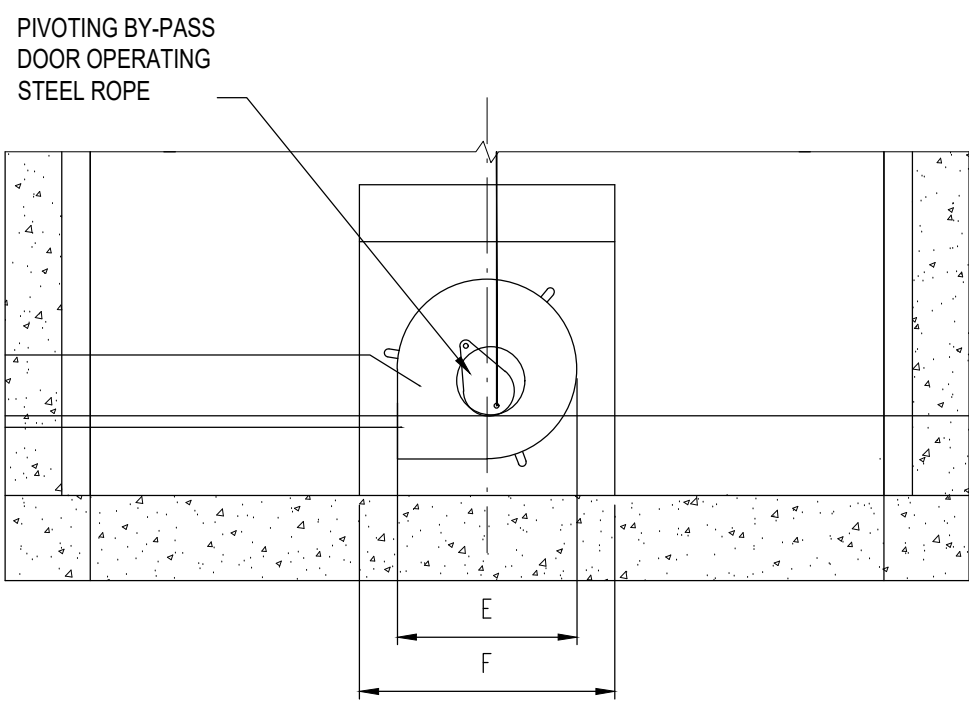
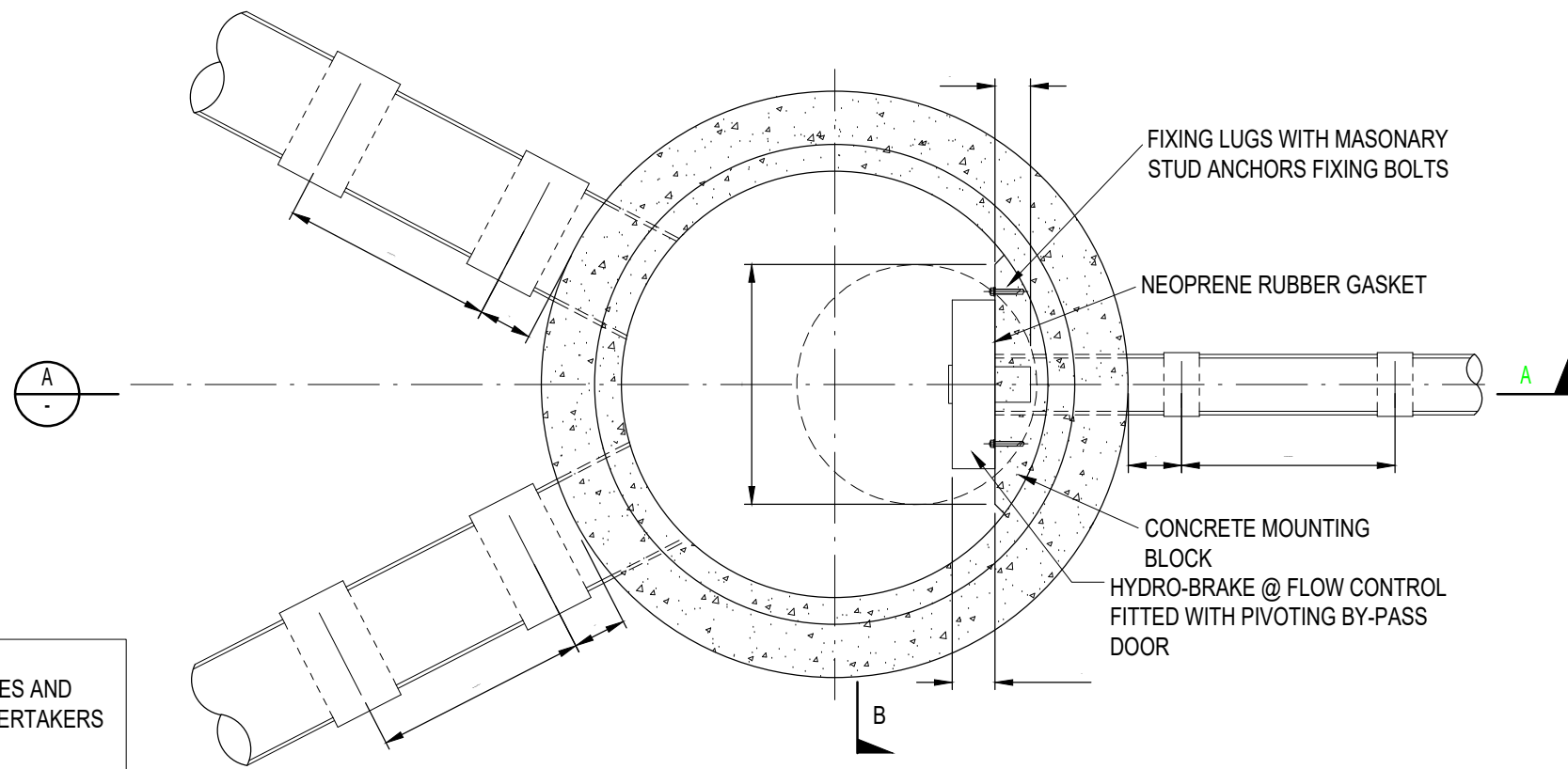


SECTION A-A
SCALE 1:20

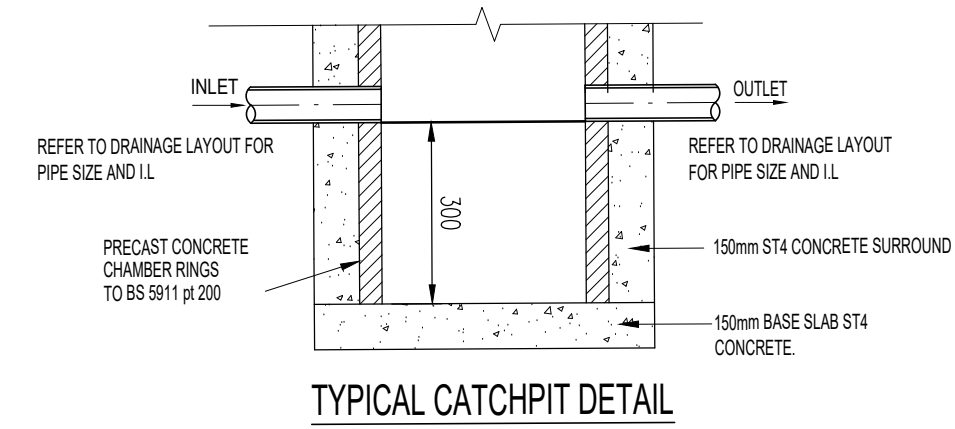
NOTE:
FOR ADOPTED SEWERS THE DESIGN OF MANHOLES AND ACCESS ARRANGEMENTS TO COMPLY WITH UNDERTAKERS REQUIREMENTS AND SAFETY POLICY.

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

FLOW CONTROL PLAN

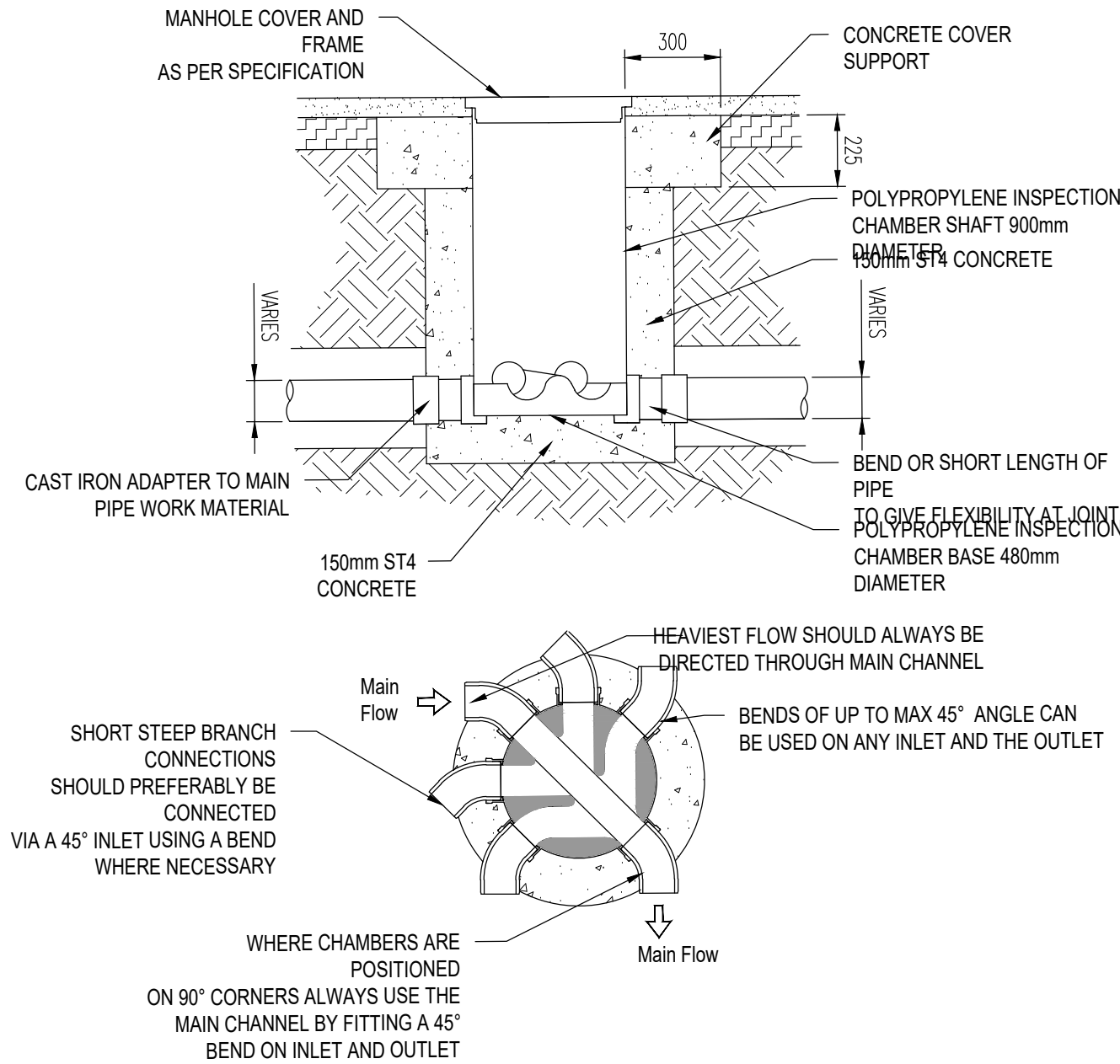


SECTION B-B



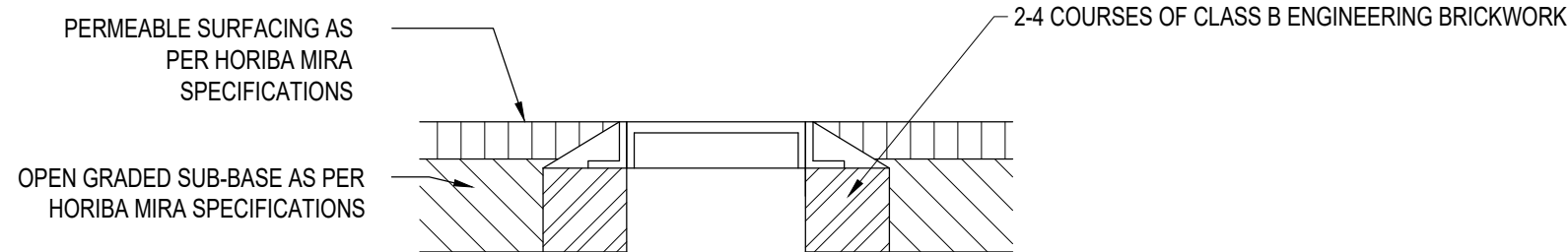
TYPICAL CATCHPIT DETAIL

SCALE 1:20

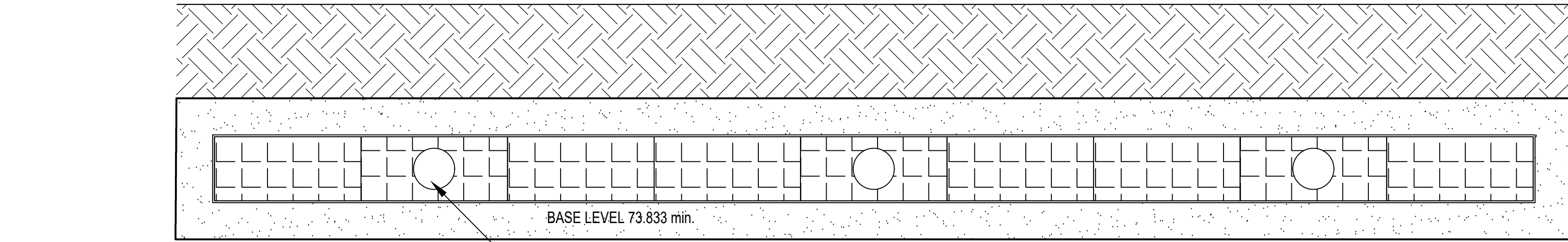


TYPICAL POLYPROPYLENE INSPECTION CHAMBER DETAIL PPIC

SCALE 1:20

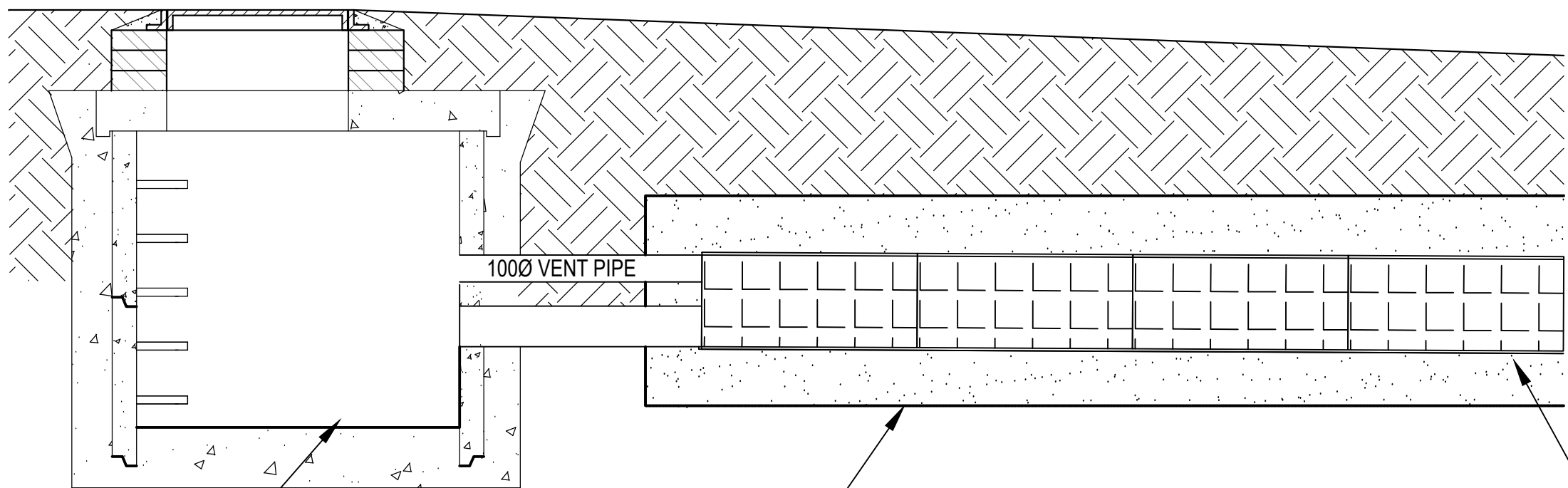


TYPICAL MANHOLE DETAIL WITHIN STANDARD VERGE



JETTING ACCESS

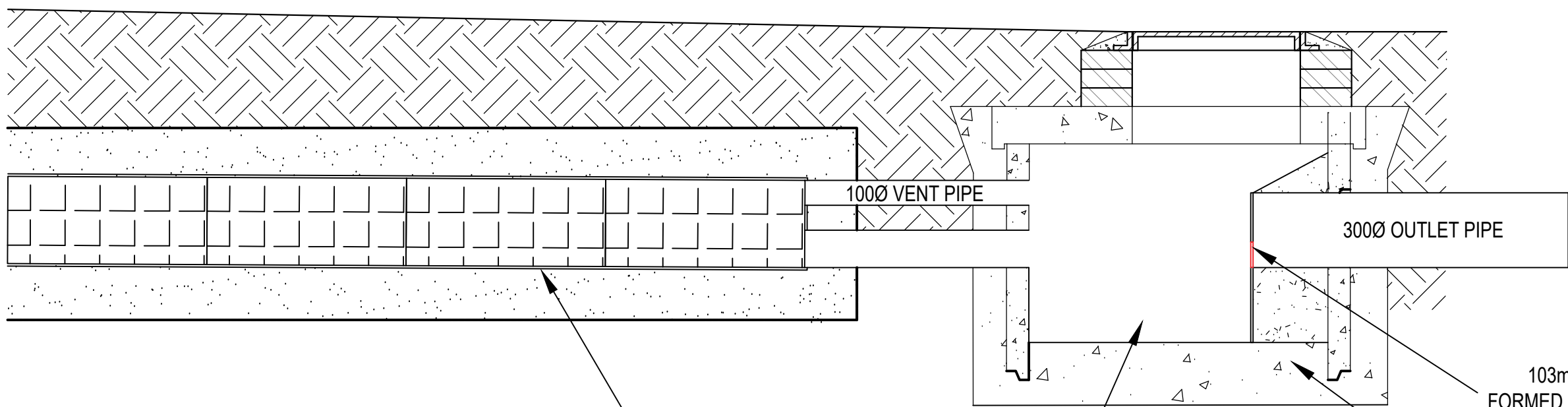
SECTION B-B THROUGH ATTENUATION TANK



300mm SUMP

GEOTEXTILE WRAPPED AROUND SHINGLE SURROUND (TERRAM OSA)

HYDRO STORMBLOC OR SIMILAR APPROVED SHALLOW CRATES LAID AT 1:200 GRADIENT TOWARDS FLOW CONTROL

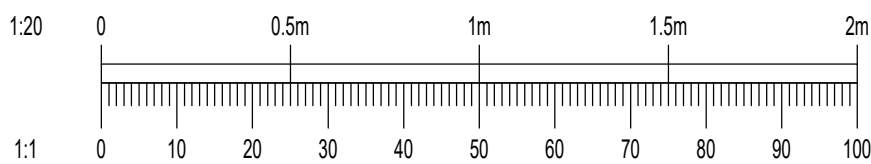


GEOMEMBRANE IMPERMEABLE LINER AROUND GEOCELLULAR CRATES TO MANUFACTURERS SPECIFICATION

300mm SUMP

103mmØ ORIFICE FORMED ONTO STEEL PLATE ON CONCRETE BENCHING

CONCRETE BACKFILL



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.
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Pickfords Wharf, Clink Street, London SE1 1UG 1 020 7928 7888 f 03333 444 501

GENERAL NOTES

- DO NOT SCALE THIS DRAWING.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, ENGINEER'S, SERVICES AND SPECIALIST DRAWINGS AND SPECIFICATIONS.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ANY DISCREPANCIES IN DIMENSIONS OR DETAILS ON OR BETWEEN THESE DRAWINGS SHOULD BE DRAWN TO THE ATTENTION OF THE ARCHITECT AND/OR THE ENGINEER.
- ALL COVER AND INVERT LEVELS ARE SHOWN IN METRES AND PIPE DIAMETERS ARE IN MILLIMETRES.
- ALL BUILDING DRAINAGE TO BE INSTALLED AND TESTED IN COMPLIANCE WITH THE BUILDING REGULATIONS 2000 DRAINAGE AND WASTE DISPOSAL APPROVED DOCUMENT H 2002 EDITION
- 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.
- 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.
- ALL ABOVE GROUND DRAINAGE TO INCORPORATE RODDING ACCESS FACILITIES.
- INSITU CONCRETE FOR USE IN GENERAL DRAINAGE WORKS, GRADE TO BS 5328.
- 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.
- MINIMUM GRADIENT FOR ALL EXTERNAL 100mm DIAMETER PIPEWORK TO BE 1:80 AND 150mm DIAMETER PIPEWORK TO BE 1:150.
- 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 RADIUSK POSSIBLE AND AT LEAST 200mm AT THE CENTRE LINE.
- ALL DRAINAGE GULLIES TO BE TRAPPED AND TO BE 150mmØ.
- FOR INTERNAL DRAINAGE POSITIONS REFER TO ARCHITECTS CURRENT WORKING DRAWINGS.
- 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.
- 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.
- 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.
- INSTALLATION OF ALL PROPRIETARY PRODUCTS TO BE IN ACCORDANCE WITH MANUFACTURER'S DETAILS.

Rev	Date	Description	By	Chk
C03	16.12.24	DETAILS UPDATED	SM	RP
C02	23.08.24	LLFA COMMENTS ADDRESSED	RL	RP
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 1 0121 212 7700 mail@watermangroup.com www.watermangroup.com			
Work Stage			
STAGE 4 Technical Design			
Subsidiary			
STAGE COMPLETE			
Designed By			
RL PE WIE19849			
Drawn By			
RL Date MAY 2024 Scales @ A1 1:20			
Project Originator Functional Spatial Form Discipline Number Revision			
19849-WIE-ZZ-XX-DR-D-92-008 C03			