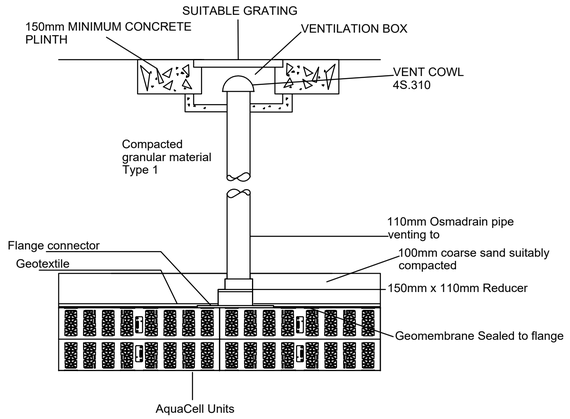
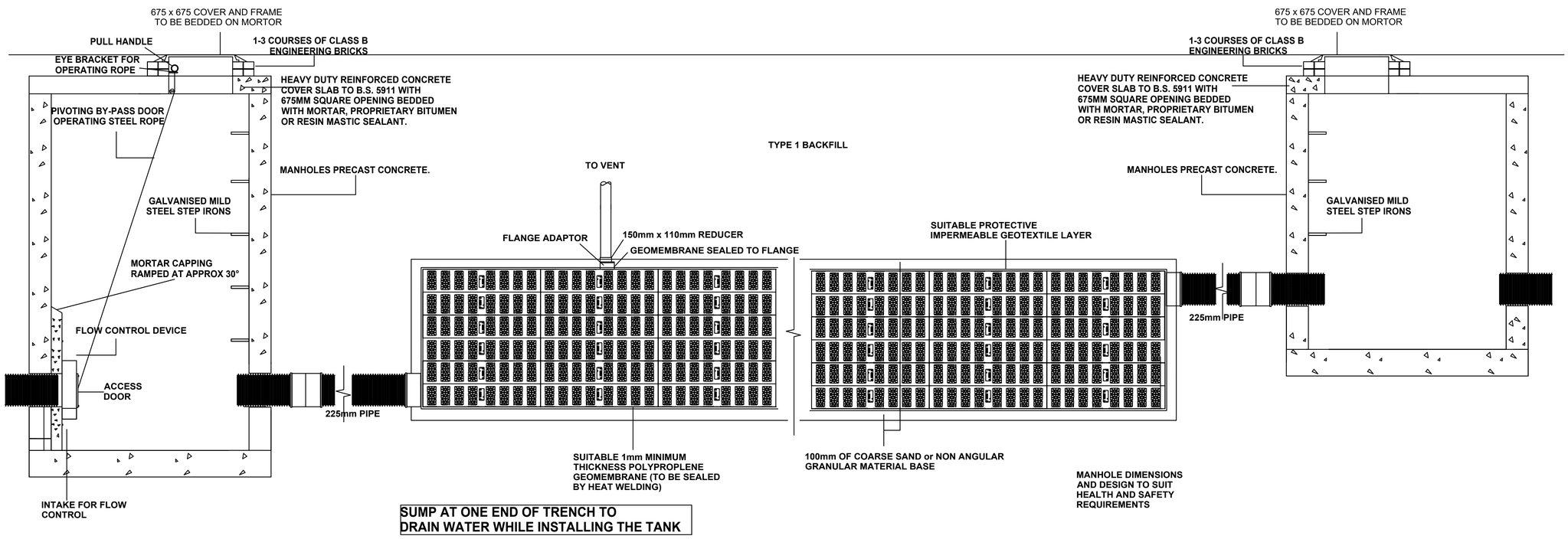


Note: It is recommended that one vent pipe, 110mm in diameter, is provided per 7,500 square meters of impermeable catchment area on a site.



SUMP AT ONE END OF TRENCH TO DRAIN WATER WHILE INSTALLING THE TANK

Scale 1:10 @ A1 - 1:20 @ A3

200mm 0 200mm 400mm 600mm 800mm 1000mm

NOTES

1) THE DEVELOPER SHOULD TAKE ALL NECESSARY PRECAUTIONS TO AVOID CAUSING ANY DAMAGE TO, OR INTERFERENCE WITH FLOW IN EXISTING SEWERS AND SHALL ENSURE THAT DEBRIS, SILT, MUD ETC. DO NOT ENTER WHERE WORKS ARE TO BE CARRIED OUT ON SEWERS.
2) THE CONTRACTOR MUST CARRY OUT THEIR WORKS IN ACCORDANCE WITH "THE CLASSIFICATION AND MANAGEMENT OF CONFINED SPACES" PUBLISHED BY WATER UK. THEY MUST ALSO COMPLY WITH ALL OTHER RELEVANT HEALTH AND SAFETY LEGISLATION/ DOCUMENTATION.
3) ALL MATERIALS ARE TO BE STORED IN SUCH A MANNER AS TO PRESERVE THEIR QUALITY AS TO THE STANDARD SPECIFIED IN THE SPECIFICATION.
4) ALL CONCRETE TO BE PRODUCED ON SITE MUST BE MIXED WITH ONLY POTABLE WATER, TO ENSURE THAT IT IS CLEAN FROM DIRT AND AGGREGATES FOR CONCRETES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 12620 AND PD 6682-1.
5) SANDS FOR MORTAR AND GROUTS SHALL BE WASHED SAND, COMPLYING WITH BS EN 13139 AND PD 6682-3. ALL OTHER SANDS ARE TO COMPLY WITH BS EN 12620 AND PD 6682-1 OR BS EN 13139 AND PD 6682-3.
6) PULVERISED-FUEL ASH (PFA) FOR USE AS A COMPONENT MATERIAL IN CEMENTITIOUS GROUT OUR NON STRUCTURAL CONCRETE SHALL COMPLY VIRTIFIED CLAY PIPES AND FITTINGS FOR SEWERS SHALL HAVE FLEXIBLE MECHANICAL JOINTS.
7) PIPES FOR FOUL SEWERS AND SURFACE WATER SEWERS SHALL COMPLY WITH THE RELEVANT REQUIREMENTS OF BS EN295 AND BS65 (SURFACE WATER PIPES ONLY) PRE-CAST CONCRETE MANHOLE UNITS OF CIRCULAR CROSS SECTION FOR MANHOLES, CHAMBERS AND WET WELLS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 1917 AND BS 5911-3.
8) LADDERS FOR MANHOLES IN A VERTICAL PLANE ARE TO BE MILD STEEL AND COMPLY WITH BS4211, CLASS A AND PD 970. GRP LADDERS SHALL BE MANUFACTURED IN ACCORDANCE WITH BS EN 131, AND FROM GLASS-REINFORCED POLYESTER USING AN APPROPRIATE RESIN FOR THE LADDER LOCATION. UNIDIRECTION REINFORCEMENT SHALL BE PROVIDED IN THE GRP MATRIX TO MAXIMISE STRENGTH.
9) MANHOLE COVERS AND FRAMES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 124, BS 7903 AND HIGHWAYS AGENCY GUIDANCE DOCUMENT HA 104/02. THEY SHALL BE OF A NON-ROCKING DESIGN WHICH DO NOT RELY ON THE USE OF CUSHION INSERTS.
10) CLAY BRICKS TO BE USED WITHIN MANHOLES ARE TO BE SOLID, CLASS B ENGINEERING BRICKS COMPLYING TO BS 3921. ALL BRICKS SHALL BE FROST RESISTANT CATEGORY F. STANDARD CONCRETE MIXES SHOULD BE IN ACCORDANCE WITH BS EN 206-1 AND BS 8500 AND SHALL BE USED WITH A 20MM NOMINAL MAXIMUM SIZE OF AGGREGATE AND A SLUMP CLASS OF S2 FOR A TARGET OF 70MM.
11) GEN1 CONCRETE TO BE USED FOR; FILLINGS, BLINDINGS, SOFT SPOTS AND DRAINAGE SLUMPS. GEN3 CONCRETE TO BE USED FOR; ALL OTHER APPLICATIONS. U.N.O. ADMIXTURES (INCLUDING CALCIUM CHLORIDE AND PIGMENTS) SHALL NOT BE USED IN THE PRODUCTION OF CONCRETE.
12) HIGH STRENGTH CONCRETE TOPPING SHALL BE PRODUCED, LAID AND FINISHED IN ACCORDANCE WITH THE RELEVANT PROVISIONS OF BS 8204: PART 2 AND THE FOLLOWING APPROXIMATE MIX PROPORTIONS SHALL BE USED: 1PART CEMENT, 1 PART NATURAL SAND AND 2 PARTS SINGLE-SIZED COARSE AGGREGATE.
13) ALL MORTAR MIXES SHALL BE IN ACCORDANCE WITH BS 5628-1:2005. ALL PIPES TO BE EITHER EXTRA STRENGTH VC TO BS 65 OR PVC TO BS 4660 OR BS 5481 "UPONOR ULTRARIB"

REVISIONS

REV	DESCRIPTION	DATE	BY
–	FIRST ISSUE	30/11/23	WR
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AVAL CONSULTING GROUP
CIVIL, ENVIRONMENT & STRUCTURAL ENGINEERS
Transportation Planning : Environmental Consultants
www.aval-group.co.uk, Email: contact@aval-group.co.uk
Company Number: 11922039

Client Name: M KENNY PROPERTIES LTD

Project Title: LAND ON BRENDON AVENUE, MOSTON, M40 9DN

Drawing Title: TYPICAL ATTENUATION TANK CONSTRUCTION DETAILS

Date:	Drawn By:
26.03.2023	WR
Scale: AS SHOWN	Checked: WR
Status: PLANNING	Approved: AC

Drawing No.: AVAL/92071B/700/02 Rev.: B