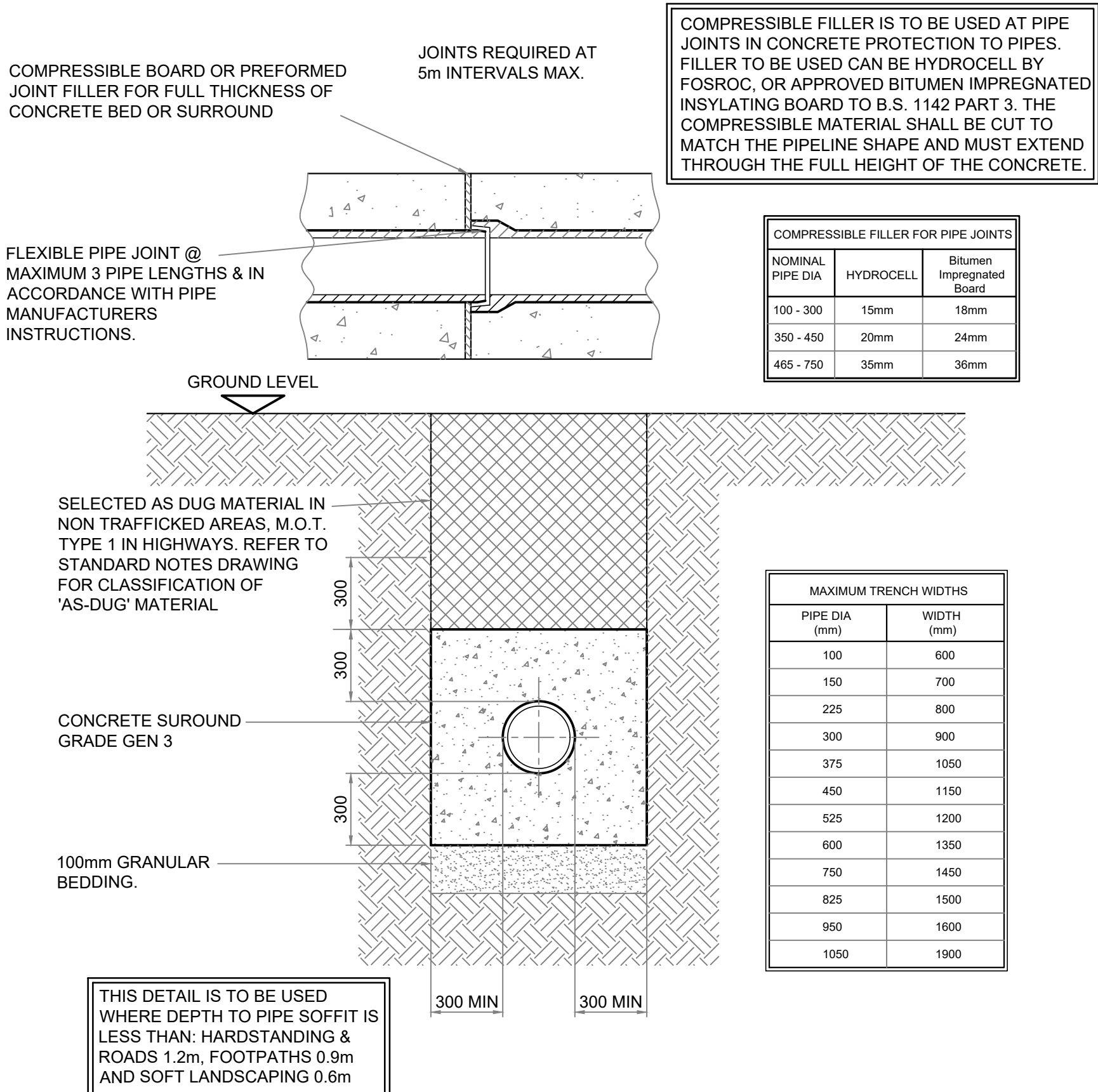
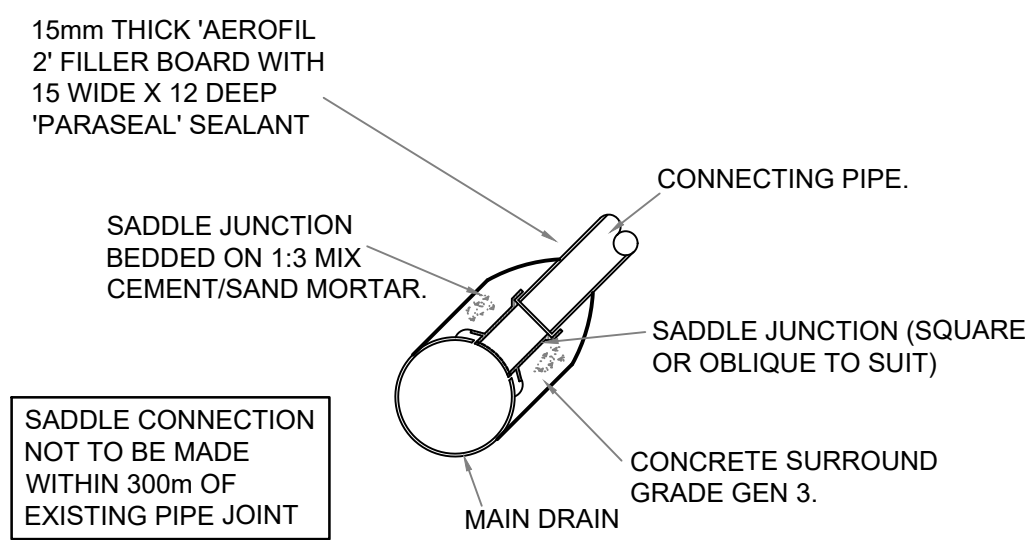


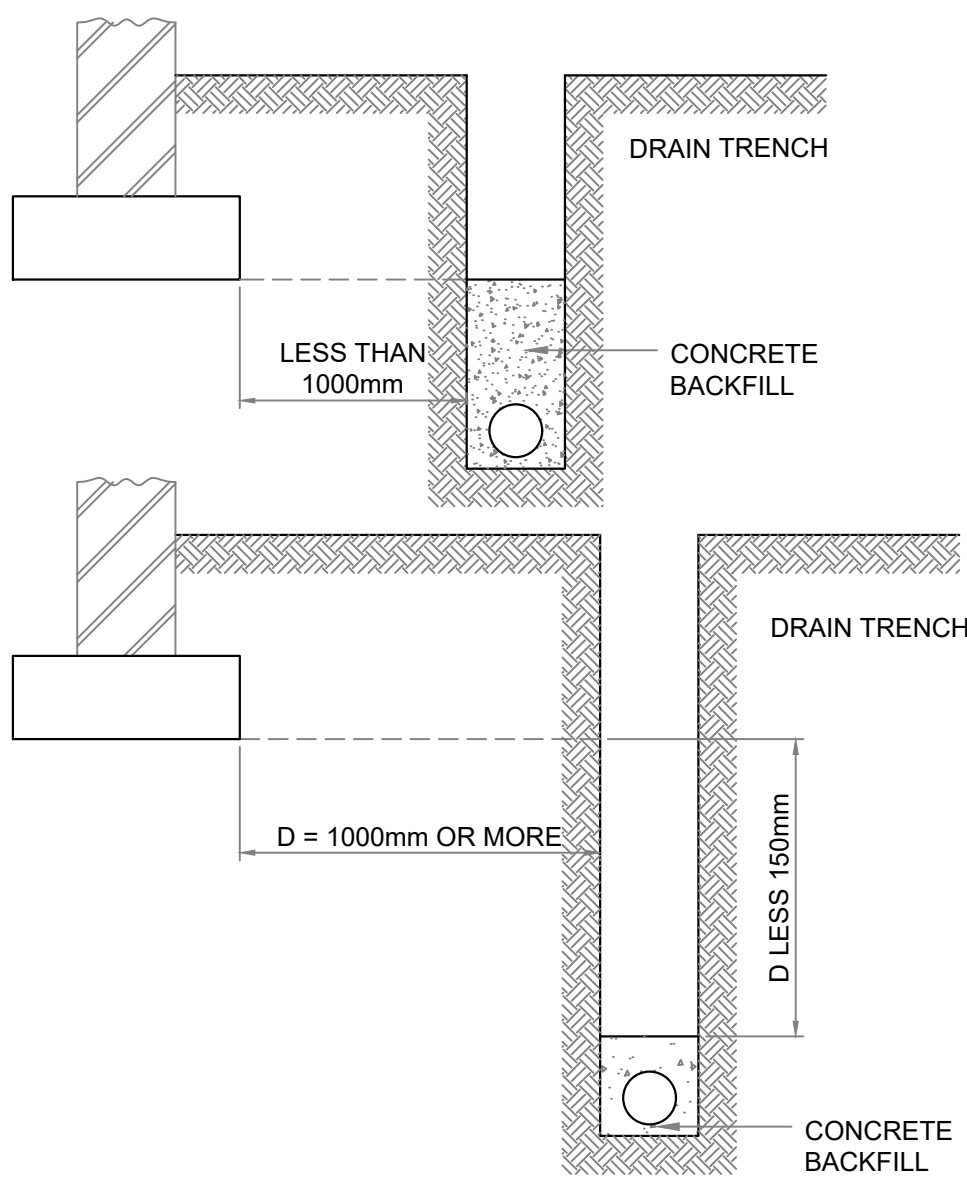


CLASS 'Z' PIPE BEDDING



SADDLE CONNECTION DETAIL

(DIAMETER OF MAIN DRAIN TO BE A MINIMUM OF DOUBLE THE SIZE OF THE CONNECTING PIPE. IN ALL OTHER CASES A PRE-FORMED JUNCTION IS TO BE USED.)



PIPE RUNS ADJACENT TO BUILDING

NOTES

- CONCRETE TO BE GRADE GEN 3
- JOINTS TO BE PROVIDED IN CONCRETE SURROUND AT NOT GREATER THAN 5.0m CENTRES. BUILDING REGULATIONS PART H1 PARA A11
- WHERE THE TRENCH IS WITHIN 1m OF THE BUILDING THE TRENCH SHALL BE FILLED WITH CONCRETE UP TO THE LOWEST LEVEL OF THE FOUNDATIONS. WHERE THE TRENCH IS FURTHER THAN 1000mm FROM THE BUILDING, THE TRENCH SHALL BE FILLED WITH CONCRETE UP TO A LEVEL, BELOW THE LOWEST LEVEL OF THE FOUNDATION, EQUAL TO THE DISTANCE FROM THE BUILDING LESS 150mm.

BS EN 1610:1997 Annex B Table B.15 Coarse Aggregate - Pipe Bedding						
Sieve Size (mm)	Graded Aggregate (mm)	20 to 5	14 to 5	40	20	14
40 to 5	20 to 5	14 to 5	40	20	14	10
50.0	100	-----	-----	100	-----	-----
37.5	90 - 100	100	-----	85 - 100	100	-----
20.0	35 - 70	90 - 100	100	0 - 25	85 - 100	100
14.0	-----	-----	90 - 100	-----	85 - 100	100
10.0	10 - 40	30 - 60	50 - 85	0 - 5	0 - 25	0 - 50
5.0	0 - 5	0 - 10	0 - 10	-----	0 - 5	0 - 10
2.36	-----	-----	-----	-----	0 - 5	0 - 5

RIGID PIPES BEDDING GRADING

BASED ON BS EN 1610 : 1997 TABLE B.15 FOR RIGID PIPES THE BEDDING SHOULD BE SINGLE SIZE MATERIAL OR GRADED MATERIAL FROM 5MM UP TO A MAX SIZE OF 10MM FOR 100MM PIPES; 14MM FOR 150MM PIPES; 20MM FOR 225MM TO 600MM PIPES; 40MM FOR OVER 675MM PIPES

SELECTED AS DUG MATERIAL IN NON TRAFFICKED AREAS, M.O.T. TYPE 1 IN HIGHWAYS.

SELECTED AS DUG MATERIAL. REFER TO STANDARD NOTES DRAWING FOR CLASSIFICATION OF 'AS DUG' MATERIAL

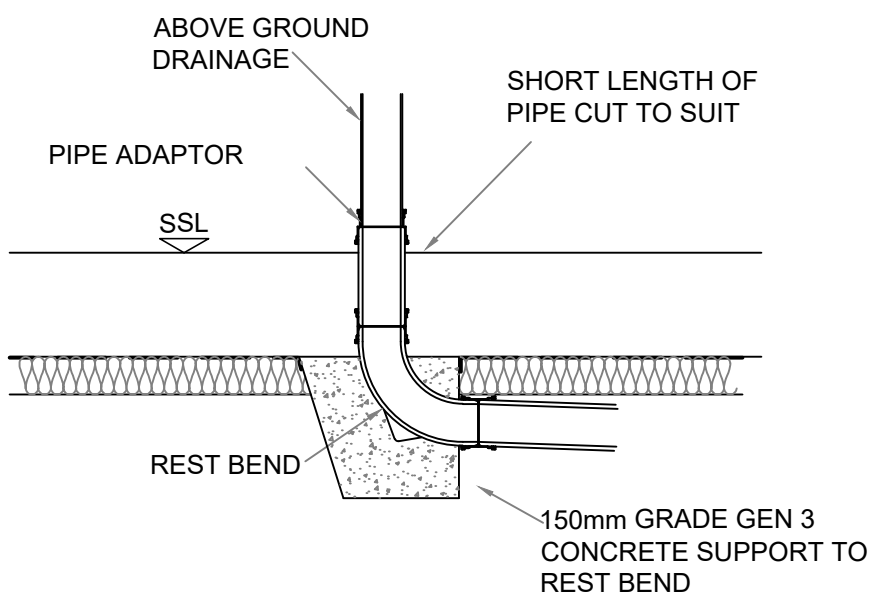
FOR GRANULAR BEDDING REFER TO TABLE

Y VALUE (BELOW PIPE):
HARD SPOTS/IRREGULAR TRENCH BOTTOM BC/4 (200mm MIN)
EVEN TRENCH BOTTOM BC/6 (100mm MIN)

BC = OUTSIDE DIAMETER

PIPE BEDDING CLASS B

BEDDING FACTOR 1.9



BACKFILL OPTIONS ABOVE THE MODULAR UNIT FOR FIRST 100mm :

- MIN 100mm THICK SELECTED EXCAVATED MATERIAL IF SEEN SUITABLE BY THE SITE ENGINEER.
- 100 mm THICK COARSE SAND OR CLASS 6H SELECTED GRANULAR MATERIAL.
- BACKERBOARD HD (IS A PREMOULDED BOARD FOR USE AS PROTECTION AGAINST BACKFILL)

BACKFILL MATERIAL WITHIN 300mm OF THE TANK TO BE FREE FROM PARTICLES EXCEEDING 40mm IN DIAMETER, IN ACCORDANCE WITH CLASS 8 MATERIAL TO SERIES 600, VOLUME 1, MCHW. BACKFILLING TO BE CARRIED OUT IN ACCORDANCE WITH THE MANUFACTURER'S GUIDANCE.

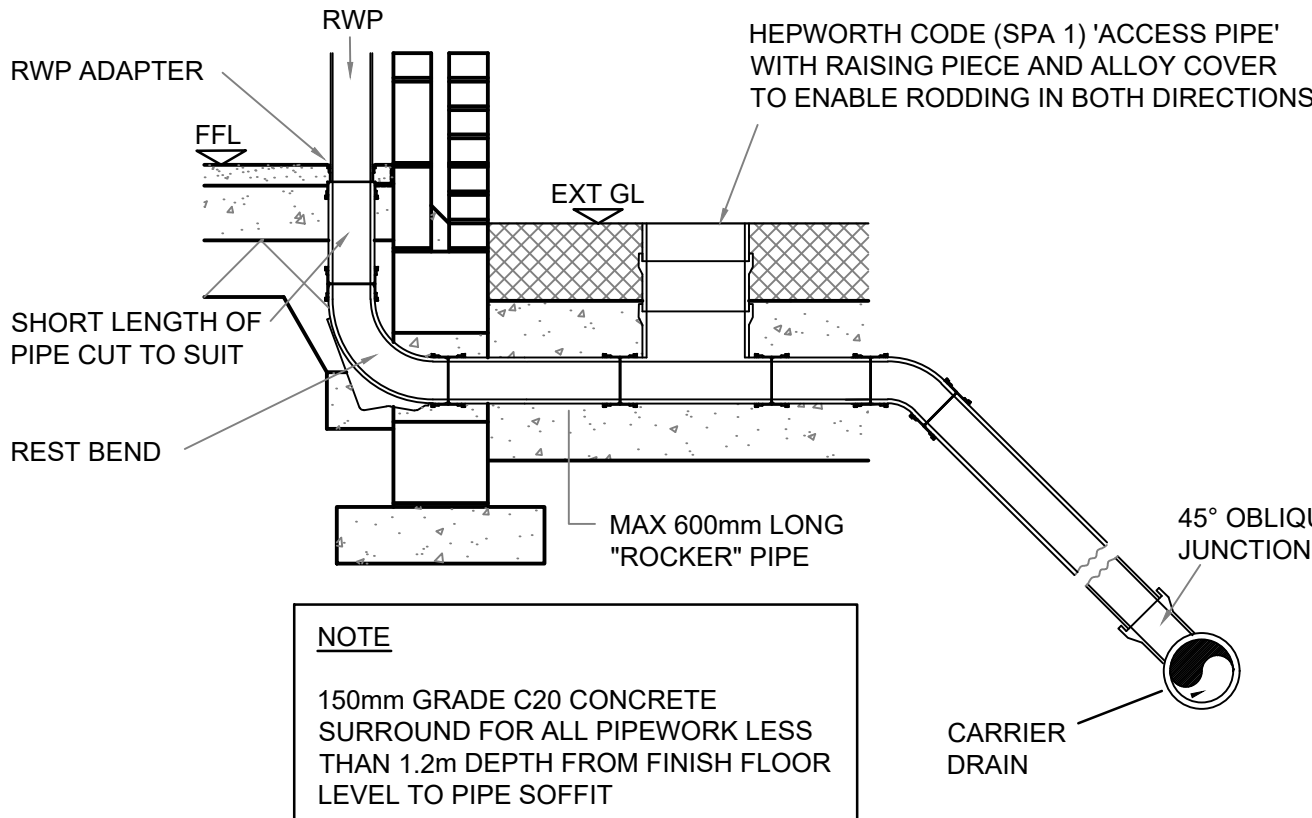
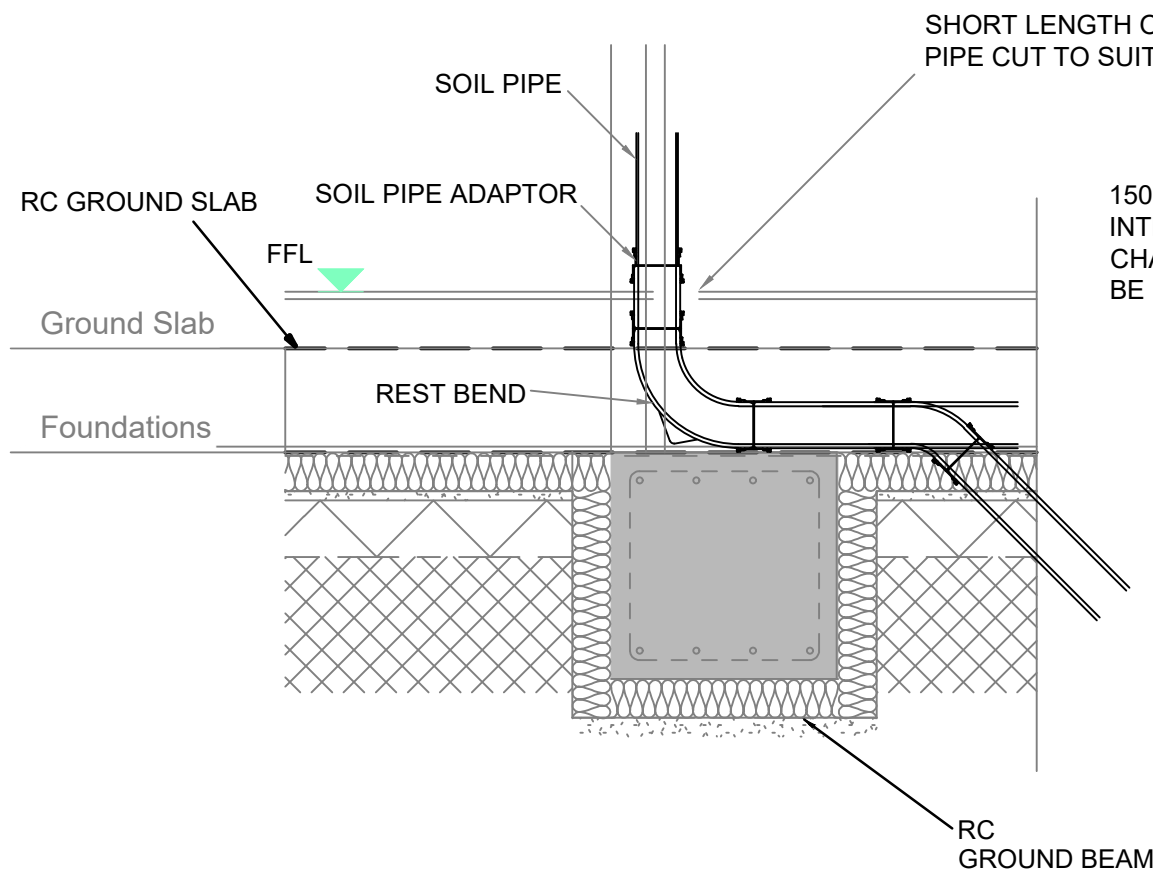
TO PROTECT THE WATERPROOF TUFLEX GEOMEMBRANE DURING BACKFILLING OPERATION, OVERLAY THE TOP AND SIDES WITH GEOTEX 300 PP NEEDLE PUNCHED NON-WOVEN PROTECTION GEOTEXTILE WITH A LAPPED JOINTS (AS SUPPLIED BY ALDERBURGH LIMITED).

BACKFILL OPTIONS AROUND THE SIDES OF MODULAR UNIT:

- 100mm THICK SELECTED EXCAVATED MATERIAL IF SEEN SUITABLE BY THE SITE ENGINEER.
- BACKERBOARD HD (IS A PREMOULDED BOARD FOR USE AS PROTECTION AGAINST BACKFILL)

INLET/OUTLET PIPES MUST BE SUPPORTED WITH CONCRETE TO PROTECT IT DURING BACKFILLING

MODULES REQUIRE 450 mm MINIMUM BACKFILL COVER BEFORE DRIVING OVER WITH SMALL EXCAVATORS OR BOBCAT

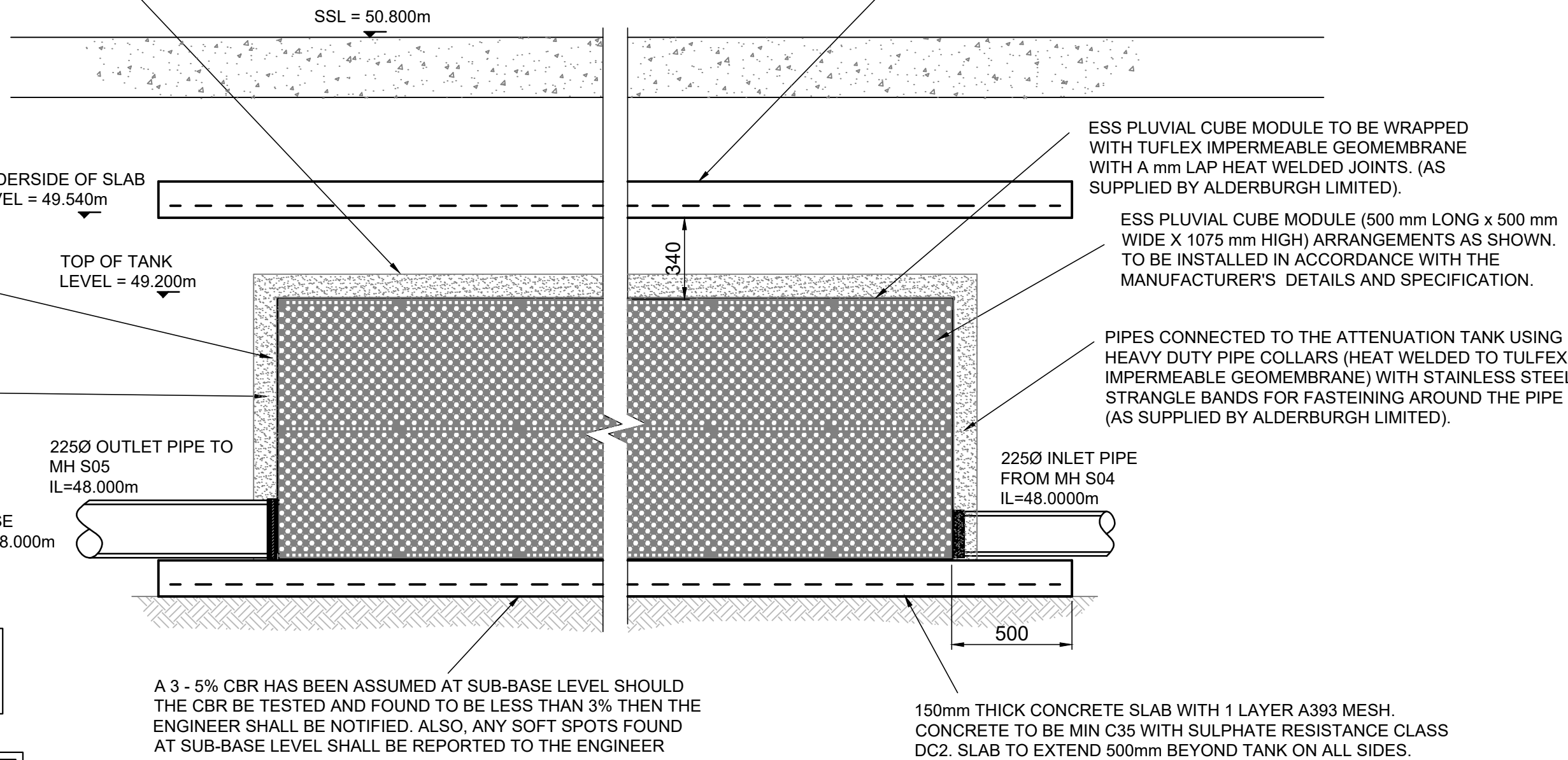


RWP CONNECTION DETAIL

SETTING OUT OF TANK TO SUIT TANK MANUFACTURER'S FINAL DESIGN

THE CONTRACTOR SHALL AVOID THE MOVEMENT OF CONSTRUCTION PLANT ACROSS THE STORAGE TANK WHERE POSSIBLE . WHERE THIS IS NOT POSSIBLE, CONSTRUCTION TRAFFIC TRAVELLING ACROSS THE TANK SHOULD BE RESTRICTED TO A MAXIMUM WEIGHT OF 32 TONNES PROVIDED THAT THE CONCRETE PROTECTION SLABS ARE IN PLACE AND THERE IS A MINIMUM BACKFILL COVER OF 1.0m. THE CONTRACTOR SHALL PROHIBIT THE STOCKPILING OF MATERIALS OVER THE TANK.

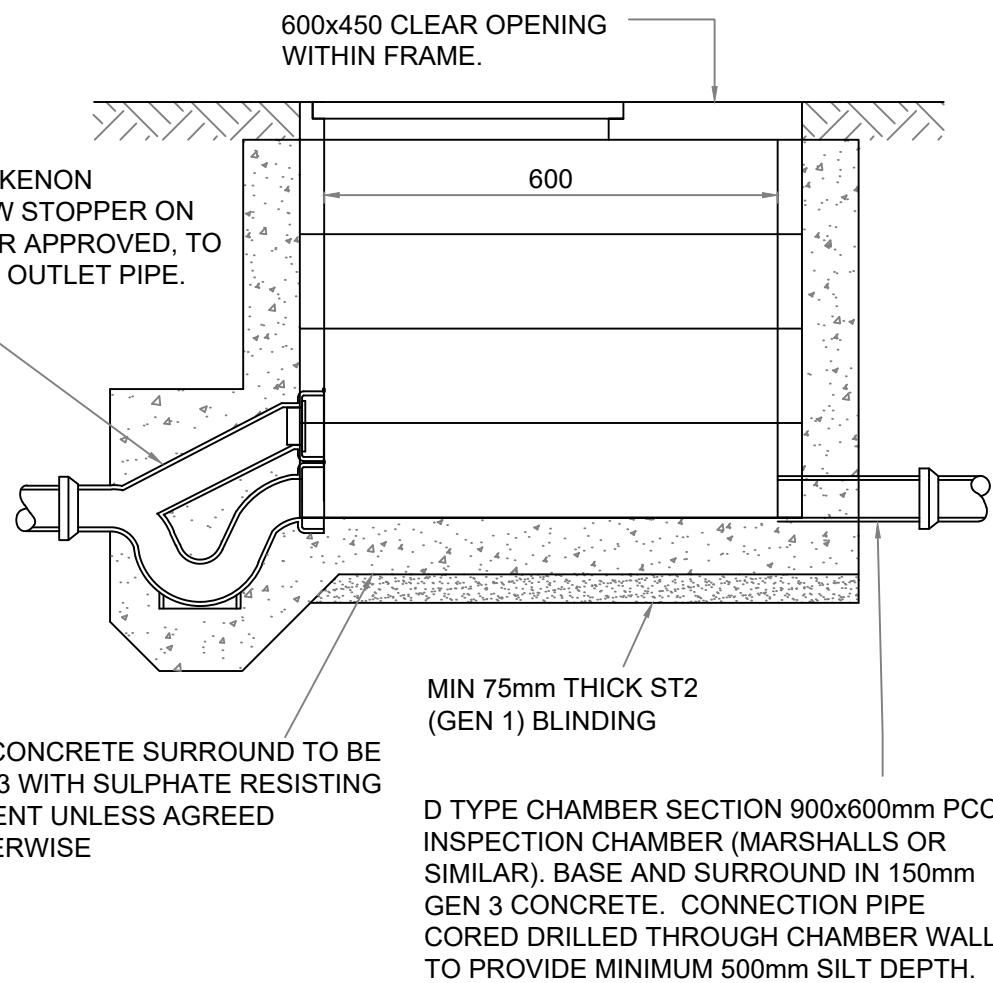
150mm THICK CONCRETE SLAB WITH 1 LAYER A393 MESH. CONCRETE TO BE MIN C35 WITH SULPHATE RESISTANCE CLASS DC2. SLAB TO EXTEND 500mm BEYOND TANK ON ALL SIDES. MAX 340mm FROM TOP OF TANK TO UNDERSIDE OF SLAB.



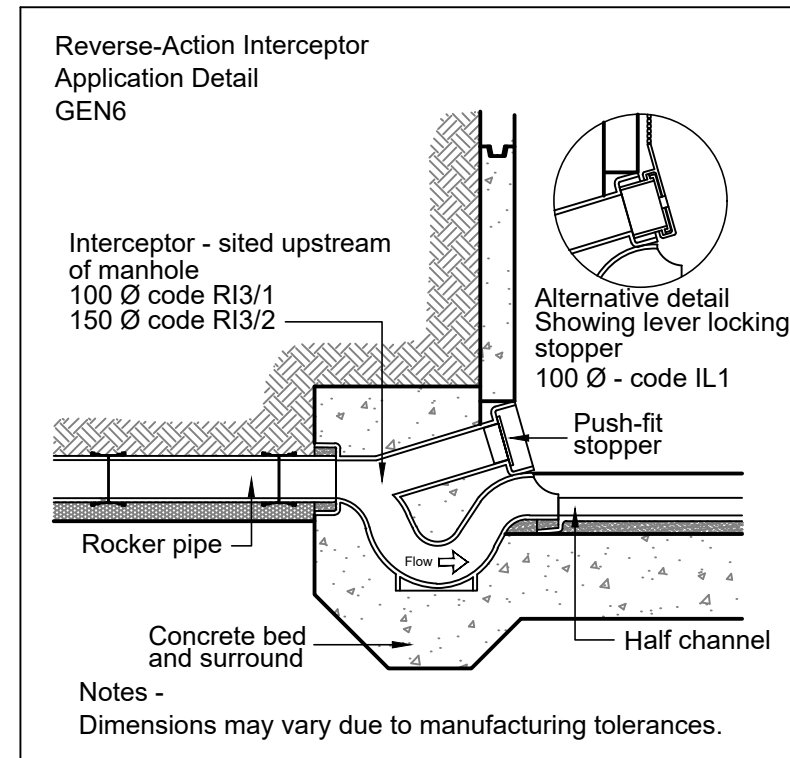
TYPICAL DETAILS OF ATTENUATION TANK BASED ON ALDERBURGH PLUVIAL CUBE MODULE UNITS

GENERAL NOTES

- DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, ENGINEERS, ARCHITECTS & SERVICES DRAWINGS, INCLUDING APPROVED BUILDERS WORK DRAWINGS. CONTRACTOR TO NOTIFY ENGINEER OF DISCREPANCIES BETWEEN STRUCTURAL DRAWINGS AND SPECIFICATIONS OR OTHER DRAWINGS.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- THE POSITION, SIZE AND LEVELS OF ALL EXISTING DRAINS ARE TO BE CONFIRMED ON SITE PRIOR TO THE COMMENCEMENT OF THE WORKS AND ANY DISCREPANCIES REPORTED IMMEDIATELY TO THE ENGINEER.
- DO NOT SCALE FROM THIS DRAWING. WORK TO DIMENSIONS OR CO-ORDINATES PROVIDED. ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS OTHERWISE NOTED. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS, SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY.



INTERCEPTOR



No	DATE	DRAWN	REV'D ENG.	AMENDMENT
P3	10.08.21	AS	EJD	TANK DETAIL UPDATED
P2	18.06.21	AS	PG	ISSUED FOR COSTING
P1	???.09.20	AS	PG	ISSUED FOR TENDER

STATUS	PURPOSE OF ISSUE
D1	FOR COSTING

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RIDGE			
CLIENT	MULBURY HOMES Ltd		
PROJECT	BENDIX STREET, NEW CROSS, MANCHESTER		
DRAFTER	AS	ENGINEER	PG
TITLE	PROJECT REFERENCE: DRAINAGE DETAILS SHEET 2		
SCALE	NTS	SHEET	A1
DRAWING No	BST-RDG-00-ZZ-DR-C-0103		REV
		P3	