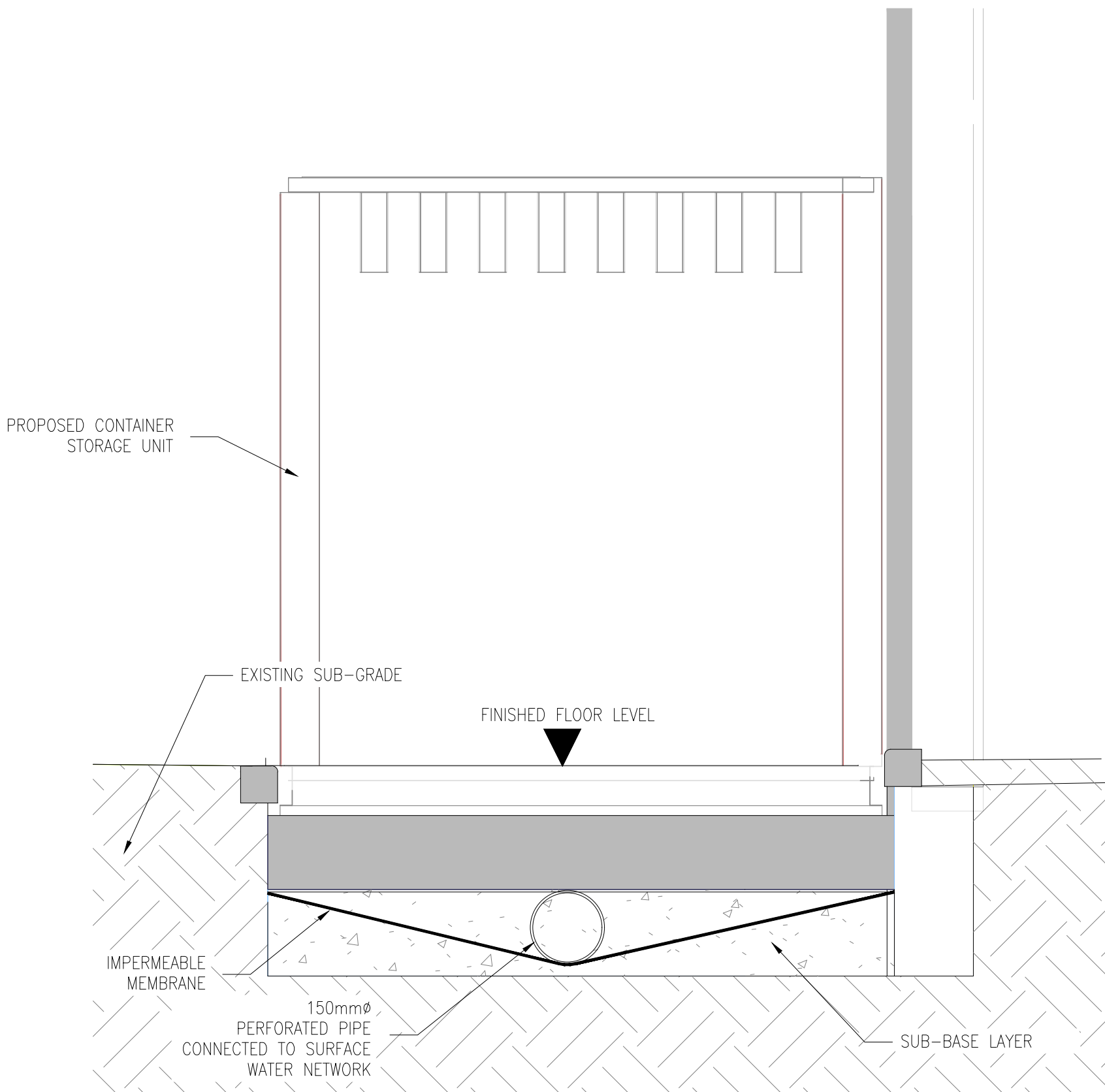
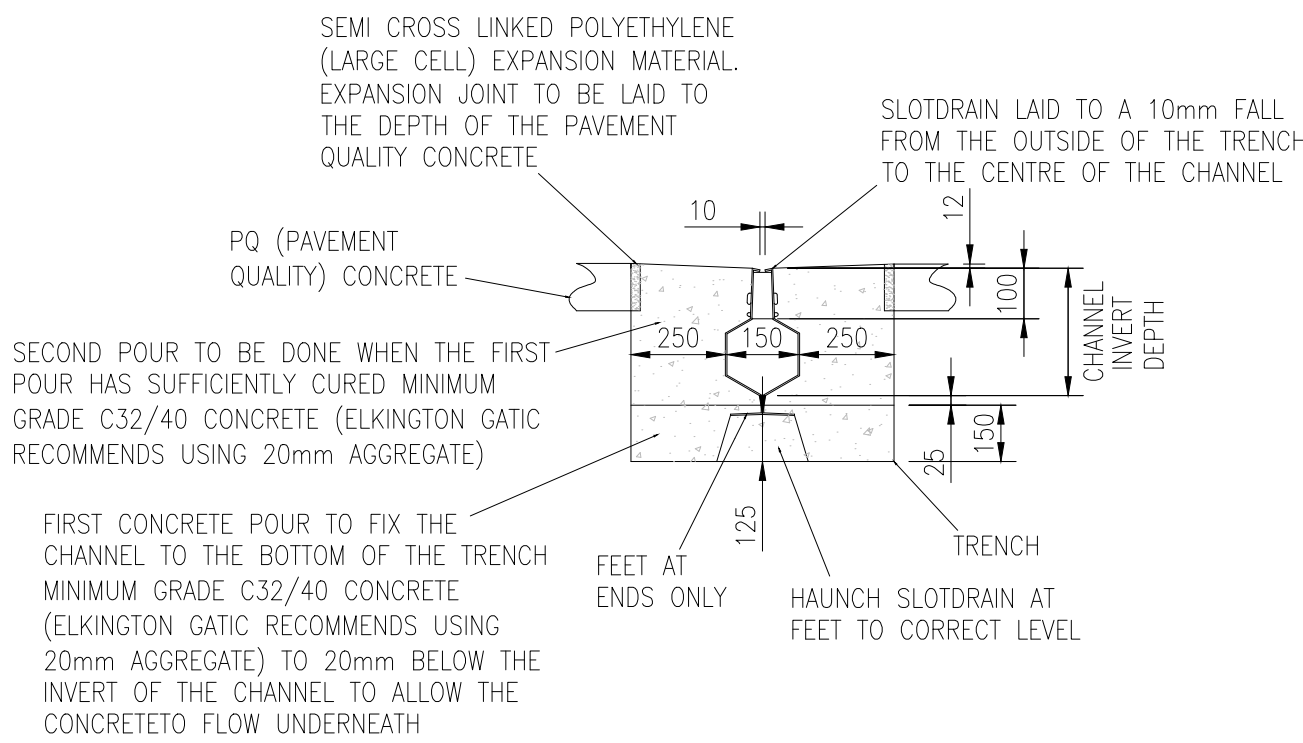
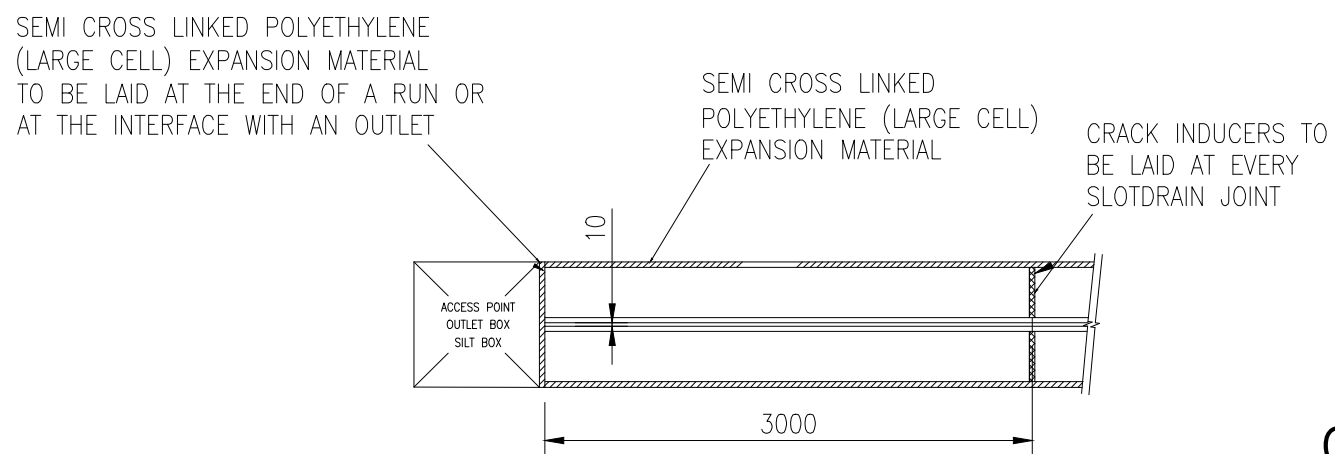




TYPICAL FILTER DRAIN DETAIL
BELOW PROPOSED CONTAINERS
SCALE 1:50



1500 SLOT DRAIN
TYPICAL DETAIL



1500 SLOT DRAIN
TYPICAL PLAN DETAIL

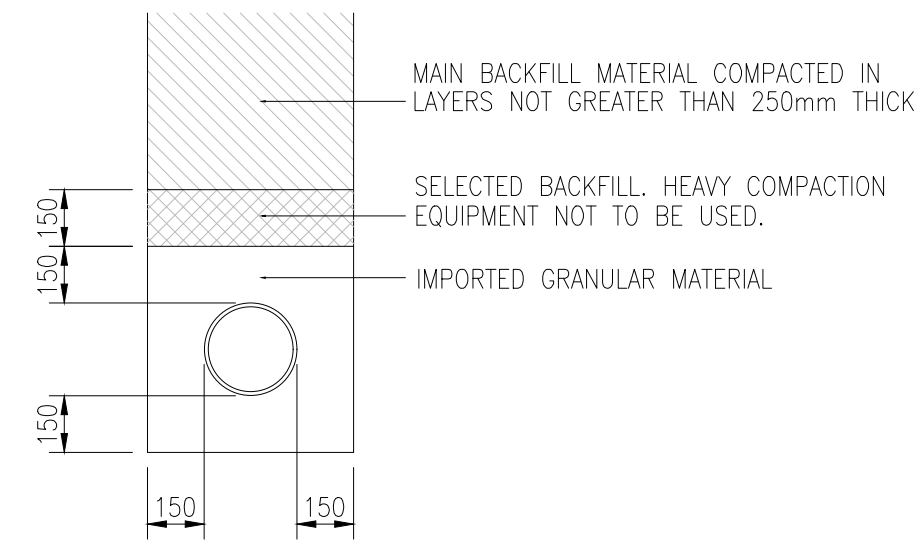
NOTE: BSI CERTIFIED TO D400 LOADING
WITHOUT ADDITIONAL CONCRETE
REINFORCEMENT.

TRENCH WIDTHS	
PIPE I.D	OVERALL TRENCH WIDTH
100	550
150	600
225	700
300	850
375	1050
450	1150
525	1200
600	1350
675	1450
750	1500
825	1600
900	1900
1050	2100
1200	2300
1350	2500
1500	2700
1800	3100

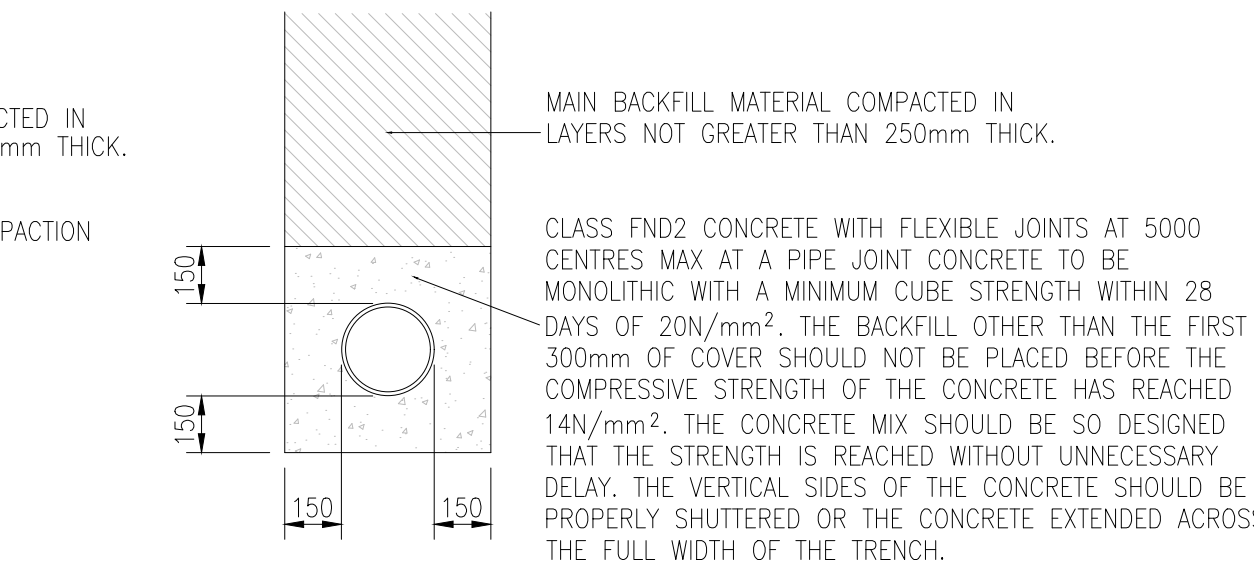
BS EN 1610:1997 ANNEX B TABLE B.15 COARSE AGGREGATE - PIPE BEDDING							
SIEVE SIZE (mm)	PERCENTAGE BY MASS PASSING BS SIEVES FOR NOMINAL SIZES						
	GRADED AGGREGATE (mm)			SINGLE-SIZED AGGREGATE (mm)			
	40 to 5	20 to 5	14 to 5	40	20	14	10
50.0	100	-----	-----	100	-----	-----	-----
37.5	90 - 100	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	85 - 100
5.0	0 - 5	0 - 10	0 - 10	-----	0 - 5	0 - 10	0 - 25
2.36	-----	-----	-----	-----	-----	-----	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; mm FOR OVER 675mm PIPES

CHALK/LIMESTONE SHALL NOT BE USED AS BEDDING MATERIAL IN GROUND WHERE THE PH <7

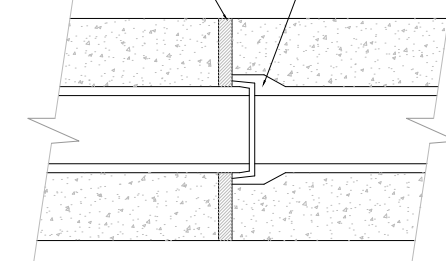


GRANULAR SURROUND WHERE
COVER EXCEEDS 1200mm TYPE "S"

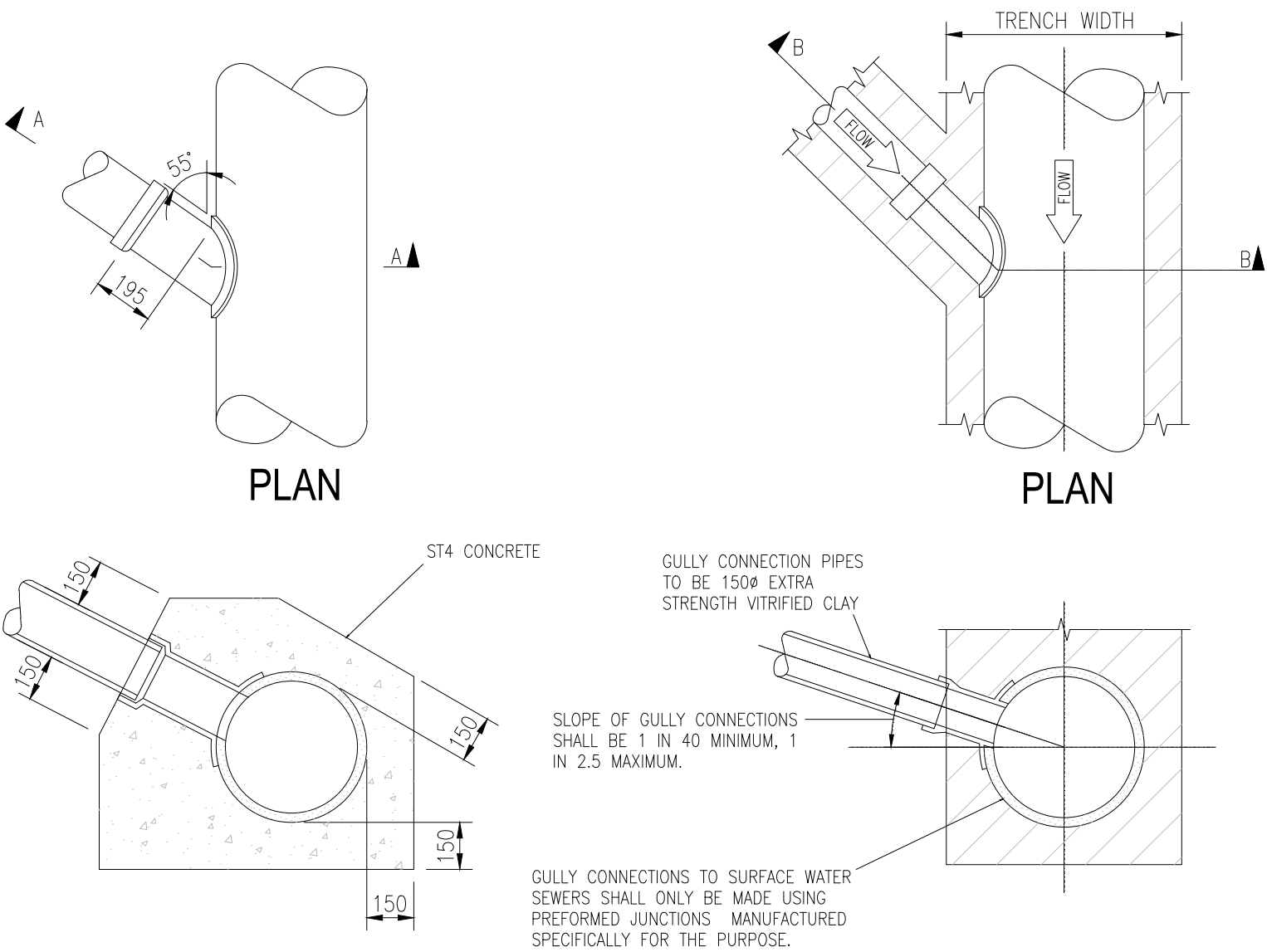


CONCRETE SURROUND WHERE
COVER IS LESS THAN 1200 TYPE "Z"

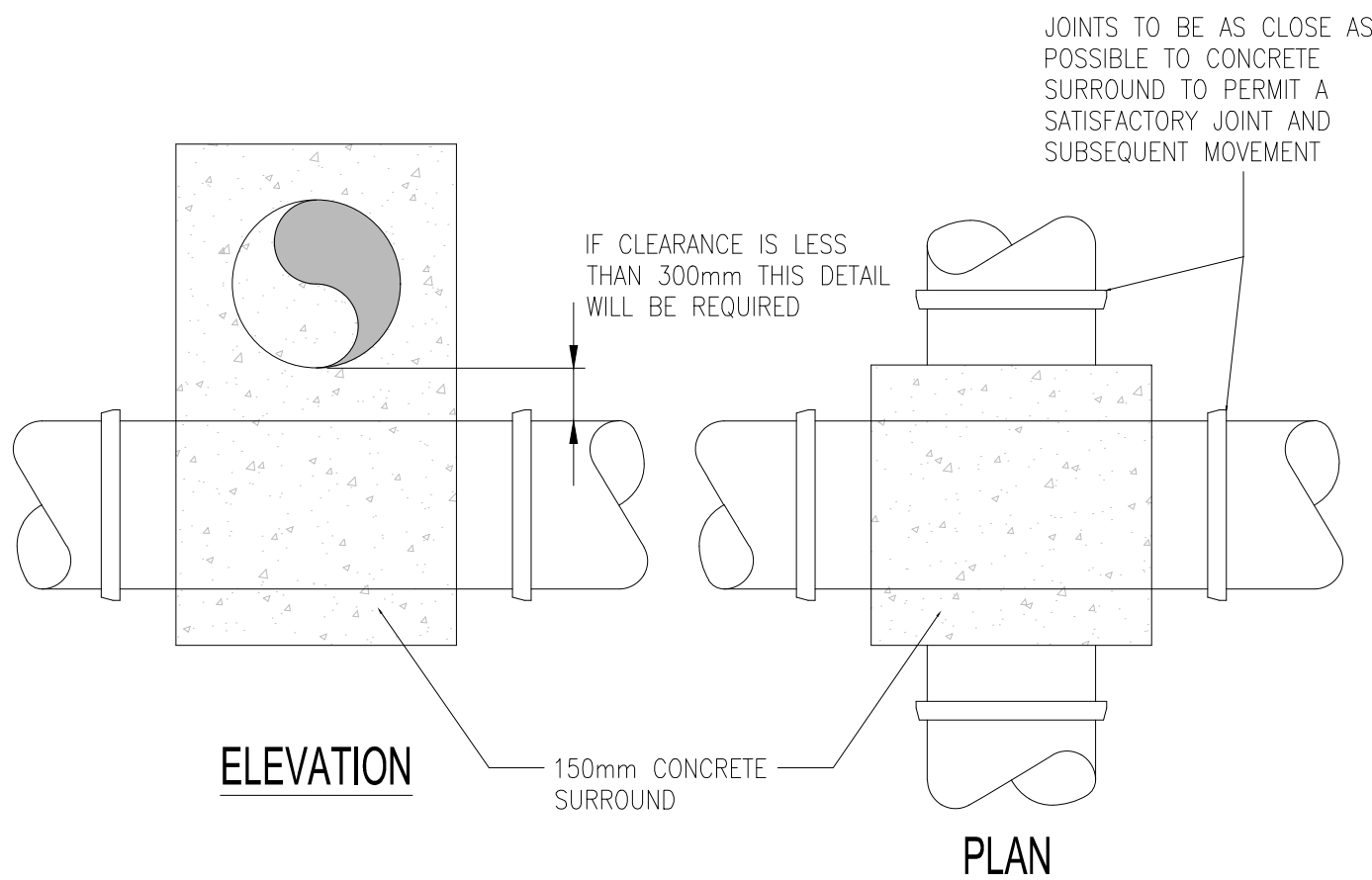
Pipe ø	Joint thickness
< 450	18mm
450-1200	36mm
1200 >	54mm



COMPRESSIBLE FILLER TABLE
(BITUMEN IMPREGNATED INSULATING BOARD TO BS 1142: PART 3)



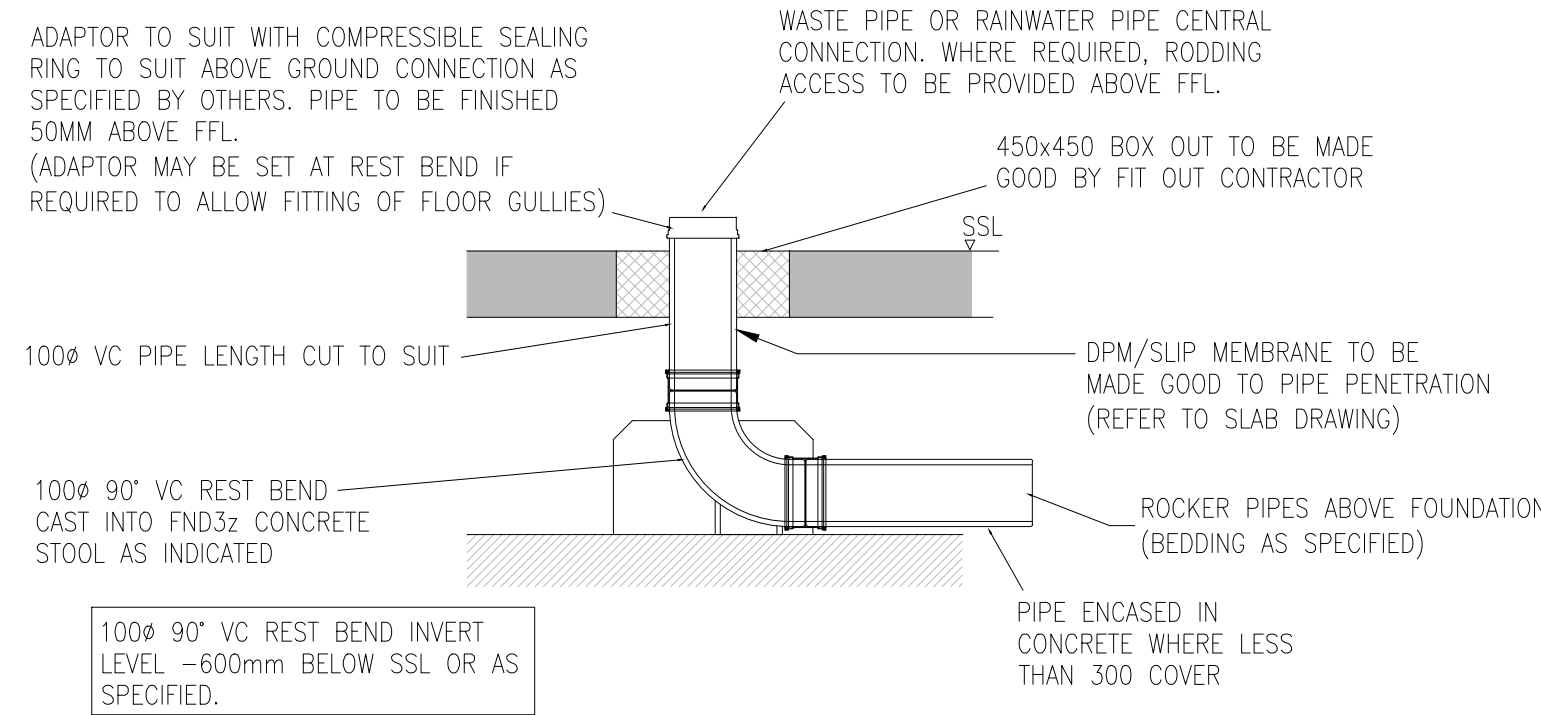
SECTION A-A
CONCRETE SURROUND
SECTION B-B
GRANULAR SURROUND
GULLY CONNECTIONS



SPECIAL PIPE CROSSOVER DETAIL
REQUIRED IF CLEARANCE BETWEEN PIPES CROSSING EACH OTHER IS LESS THAN 300MM

JOINTS FOR CONCRETE SURROUND TO PIPES
(TO OCCUR AT EACH PIPE JOINT)

PIPE BEDDING DETAILS



1000 BELOW GROUND PIPE CONNECTION

NOTE: 1000° 90° VC REST BEND INVERT LEVELS AS SPECIFIED.
BRANCH CONNECTIONS OFF FOUNDATIONS MAY BE SET DEEPER TO ALLOW FOR CONNECTION TO MAIN DRAIN RUN.
ALTERNATIVELY, THE 1000° 90° VC REST BEND MAY BE REPLACED BY 45°/30°/15° BENDS TO ALLOW FOR STEEP BRANCH CONNECTIONS.

Do not scale from this drawing.
Use written dimensions only.
If in doubt ask.

Notes

GENERAL

- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL LEVELS AND DATUMS IN METRES UNLESS NOTED OTHERWISE.
- ALL DIMENSIONS, LEVELS AND DATUMS TO BE CONFIRMED ON SITE, PRIOR TO FABRICATION AND CONSTRUCTION.
- ALL BUILDING WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE BUILDING REGULATIONS AND THE CIVIL, STRUCTURAL AND ARCHITECTURAL SPECIFICATIONS.
- ALL EXTERNAL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS.

Revision

Drawn

Checked

Approved

Modifications

Client

Kirklees COUNCIL

Project

HUDDERSFIELD MARKET

Title

DRAINAGE
STANDARD DETAILS
SHEET 2 OF 3

Scale

AS SHOWN

Revision

C01

Status Code

A3

Original Size

A1

Dwg. No.

1036-SWA-00-XX-DR-D-0506

Copyright Reserved to Sanderson Watts Associates

These plans and specifications are the property of Sanderson Watts Associates, and shall not be reprinted or reproduced, in whole or part, without their written consent, nor shall any building or structure be constructed in accordance with such plans and specifications or any modifications thereof without the written consent of Sanderson Watts Associates.