

NOTES

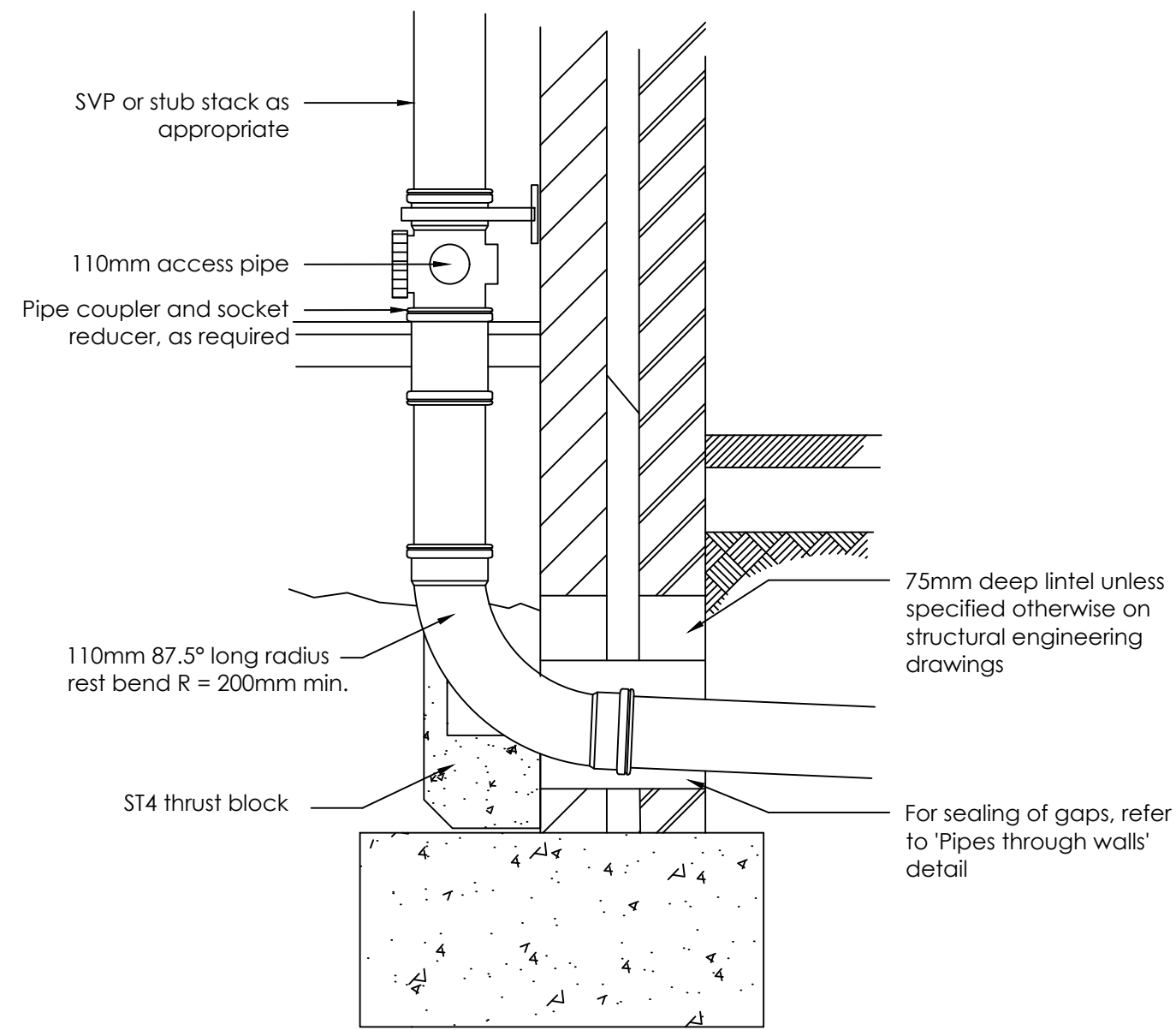
DO NOT SCALE FROM THIS DRAWING

ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.

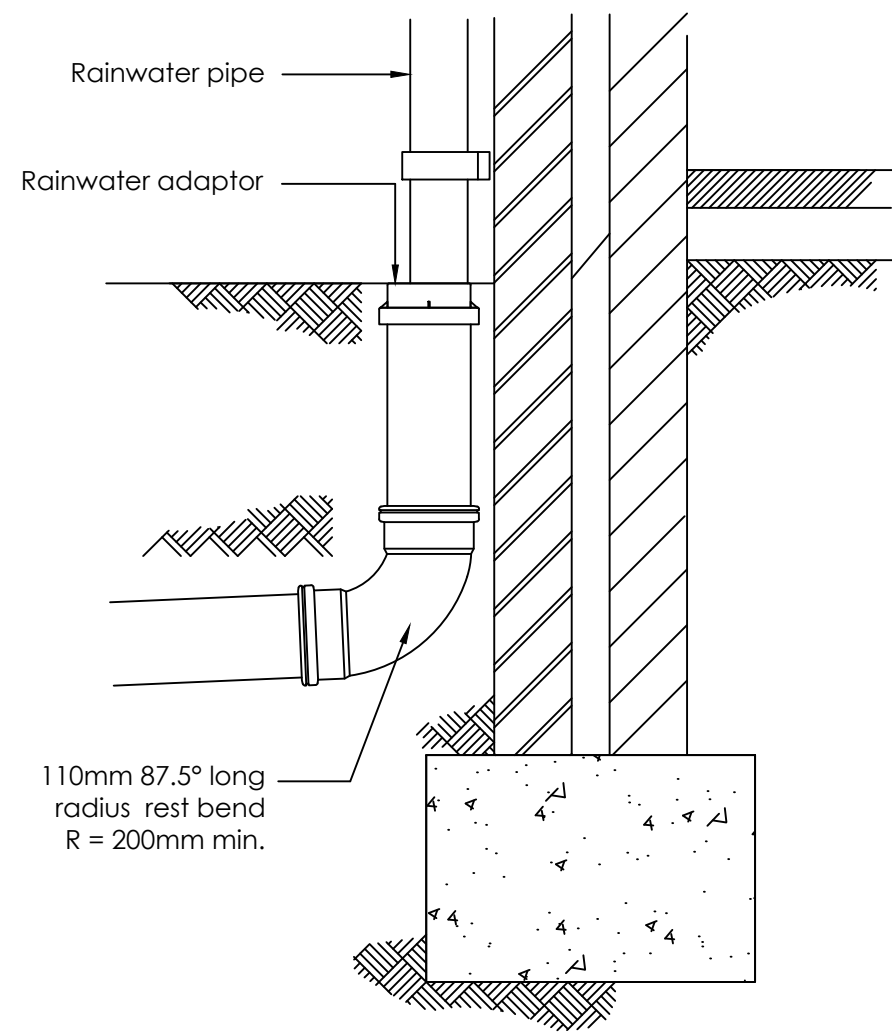
ALL HEIGHTS ARE IN METRES ABOVE ORDNANCE DATUM
U.N.O.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL
RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND
SPECIFICATIONS

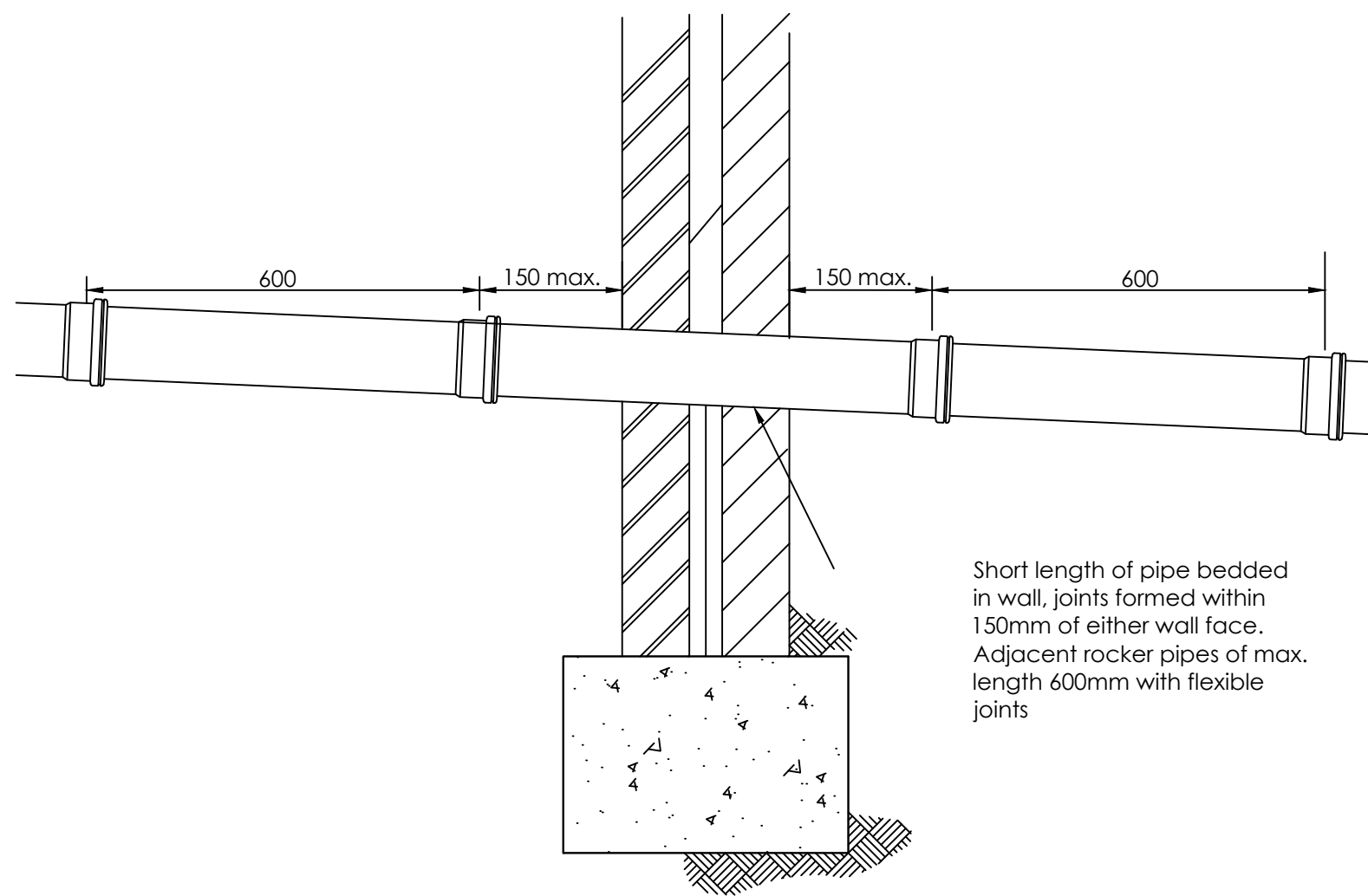
REFER TO ARCHITECTS DRAWINGS FOR SETTING OUT
INFORMATION NOT SHOWN ON THIS DRAWING



Internal SVP/Stub Stack
Connection Through External
Wall to Drain
Scale 1:10

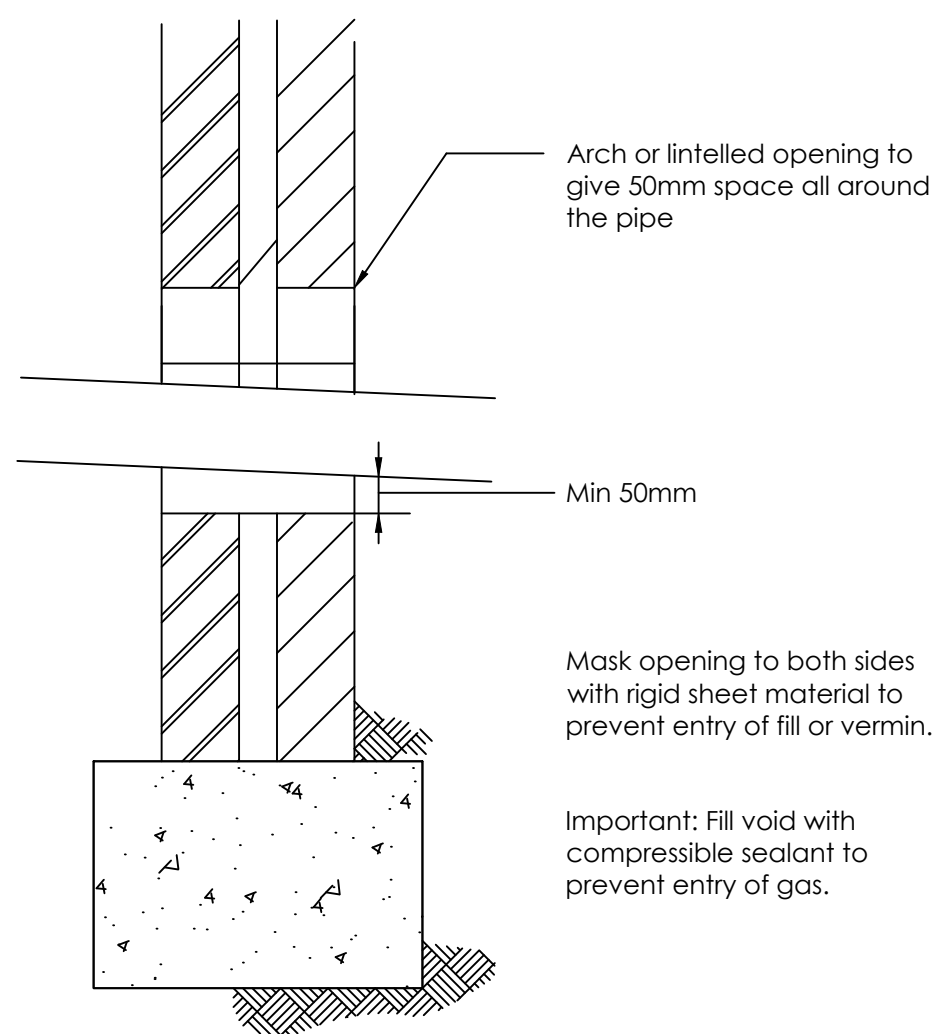


External RWP to Drain
Scale 1:10



Pipes Through Walls (a)

Scale 1:10



Pipes Through Walls (b)

Scale 1:10

Extract from Table A2 WIS 4-08-02

Processed granular bedding & sidefill materials for flexible pipes

Pipe nominal bore (mm) (see note D)	Nominal Maximum particle size (mm)	Materials specified in British Standards (see note A)
100	10	10mm nominal single size
Over 100 to 150	15	10 or 14mm nominal single size or 14mm to 5mm graded
Over 150 to 300	20	10-14mm or 20mm nominal single size or 14-5mm graded or 20-5mm graded
Over 300 to 500	20	14 or 20mm nominal single size or 14-5mm graded or 20-5mm graded
Over 500	40	14 or 20mm or 40mm nominal single size or 14-5mm graded or 20-5mm graded or 40-5mm graded

Notes:

- A. Processed granular materials to include aggregates and air cooled blast furnace slag to BS EN 12620:220 + A1:2008; and lightweight aggregates to BS EN 13101:2002.
- B. -
- C. For the purpose of this table, PE pipe of 630mm OD can be regarded as having nominal bores of over 550mm, irrespective of wall thickness.
- D. Nominal bore is used in preference to DN because of the different nominal size classifications for flexible pipes.

Minimum Recommended Trench Widths for Structured Wall Pipes in Poor Ground Conditions.

Native soil modulus between 3 & 4 MPA
Typical soil Classifications: Very loose gravel, loose sand, medium dense clayey silty sand, firm clay

Nominal pipe diameter (mm)	150	225	300	375	450	525	600	750	900
Minimum trench width (mm)*	450	525	600	750	900	1050	1200	1500	1800

* A vertical trench face has been assumed to allow a modulus of 7MPa to be achieved for the pipe bedding and sidefill material.

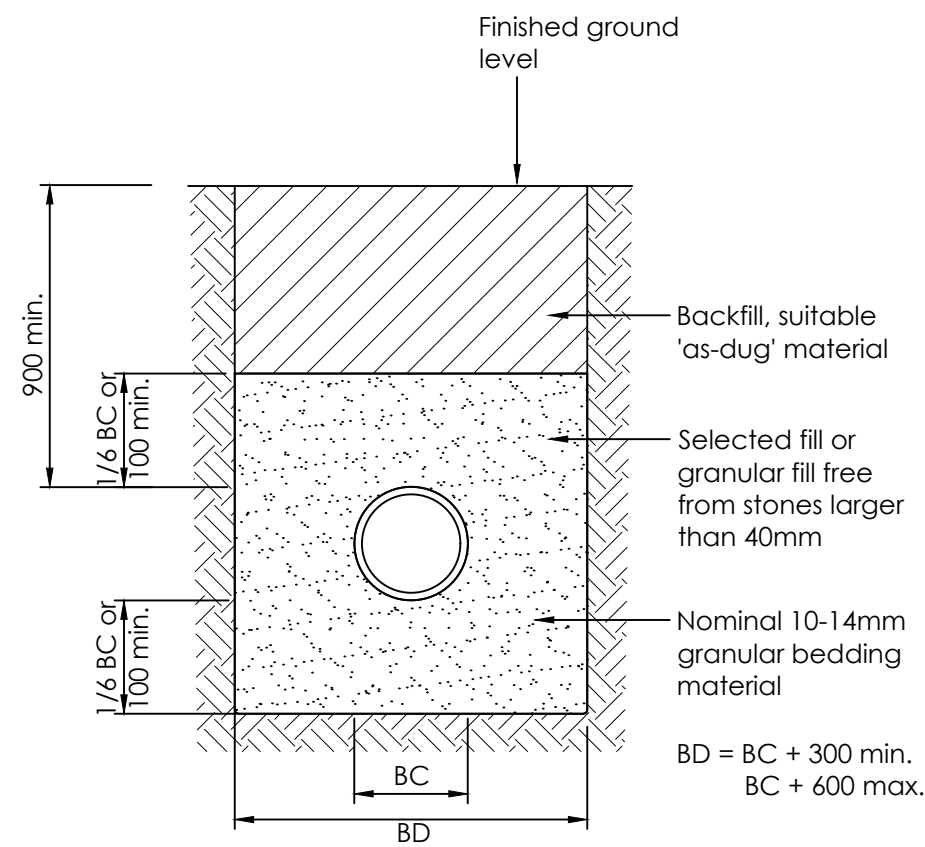
Other assumed values:

Depth of cover = 6m (max)

Traffic loading = main road

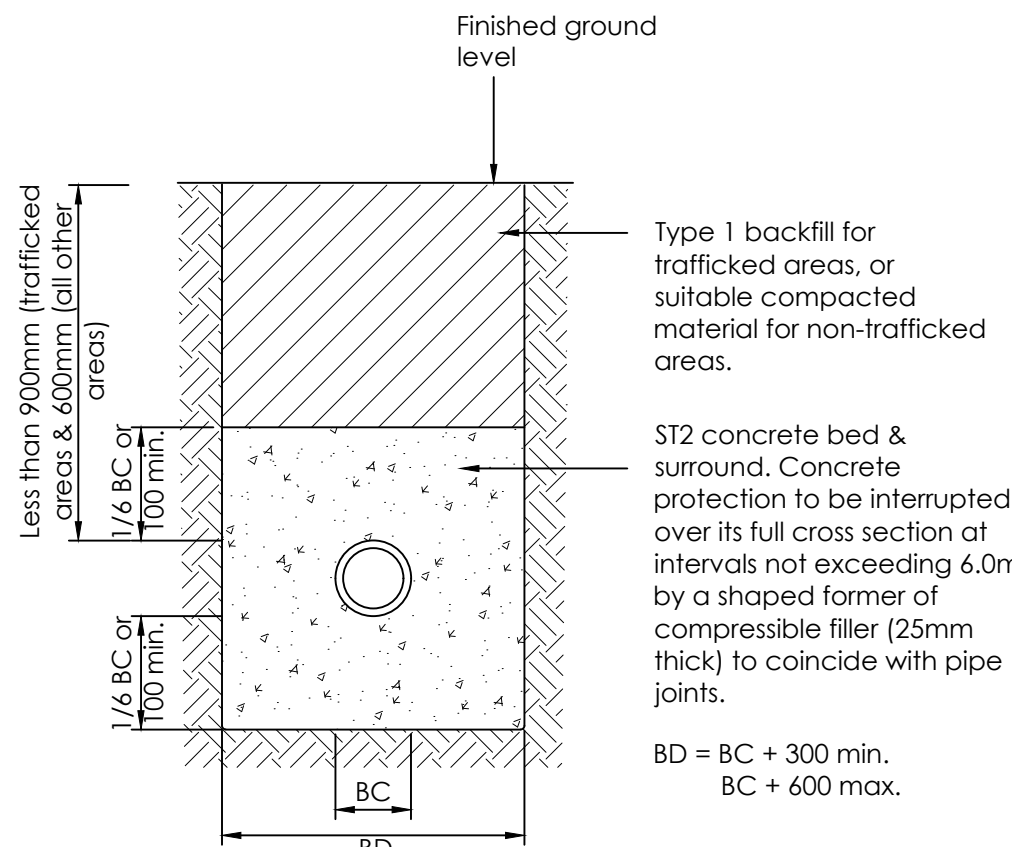
Pipe stiffness = SNB

Note: Where the native soil modulus is below 3MPa or the depth of cover exceeds 6m, guidance should be sought from the pipe manufacturer regarding structural design and installation details.



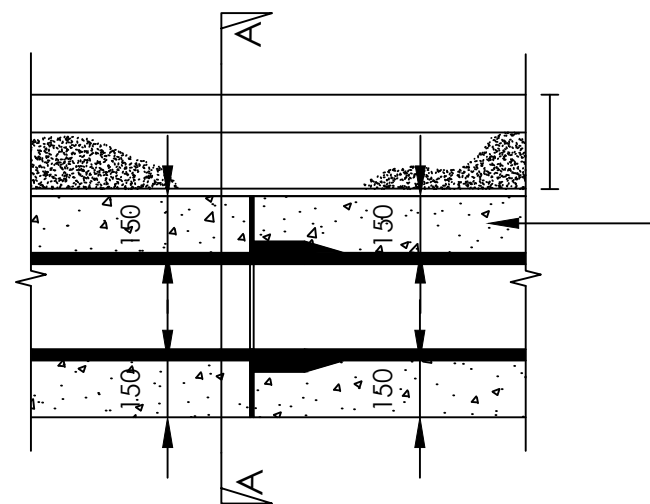
Typical Trench Detail
Scale 1:10

- NOTE: To be used where cover depth:
- >0.6m fields & gardens
 - >0.9m lightly trafficked areas e.g. light roads & drives



Shallow Trench Detail Scale 1:10

- NOTE: To be used where cover depth
- <0.6m fields & gardens
 - <0.9m lightly trafficked areas e.g. light roads & drives



Joints for Concrete
Encased Pipes
Scale 1:10

Drawing No.: 1983-CS-DP2-G770-DE-XX-0023				Rev: P01	
Client: Mr C Thompson Project: Main St, Port Charlotte Title: Typical Drainage Details Sheet 2 of 3				defined by design $(dp)^2$ DP Squared Limited 01422 846693 contact@dpquared.net 4 Albert Street, Hadden Bridge, HX7 8AH www.dpquared.net	
Scale of A1 AS SHOWN	Drawn by Drm	Checked by Chk	Date 11/07/23		