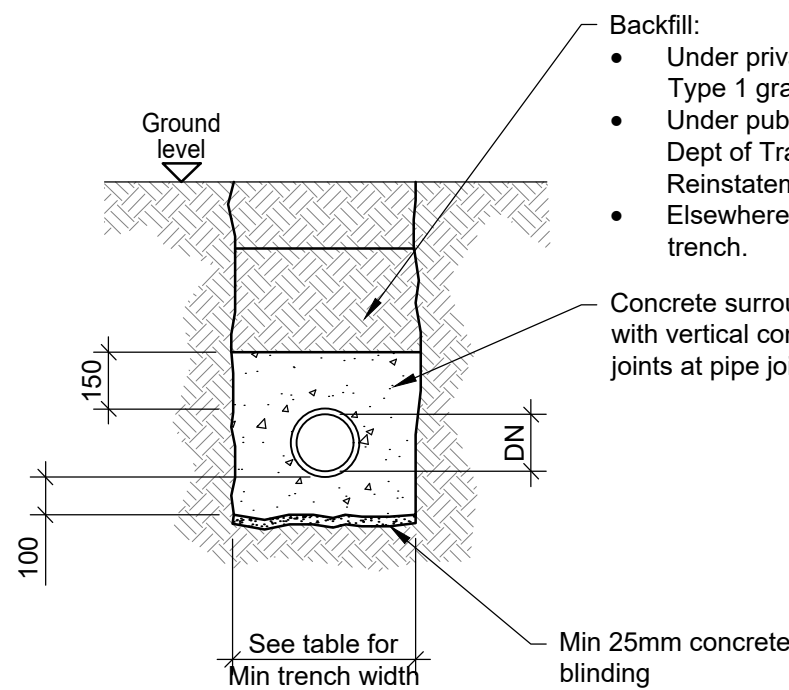
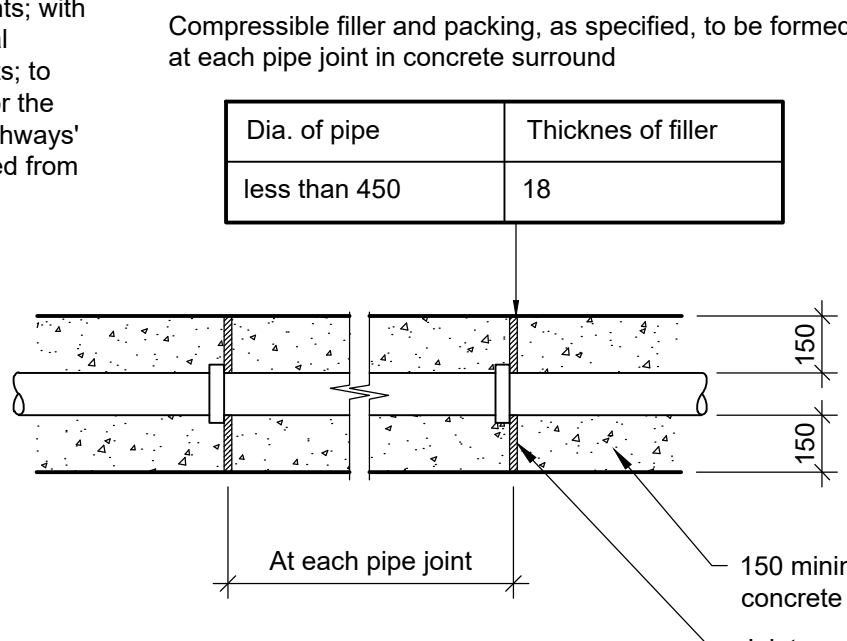




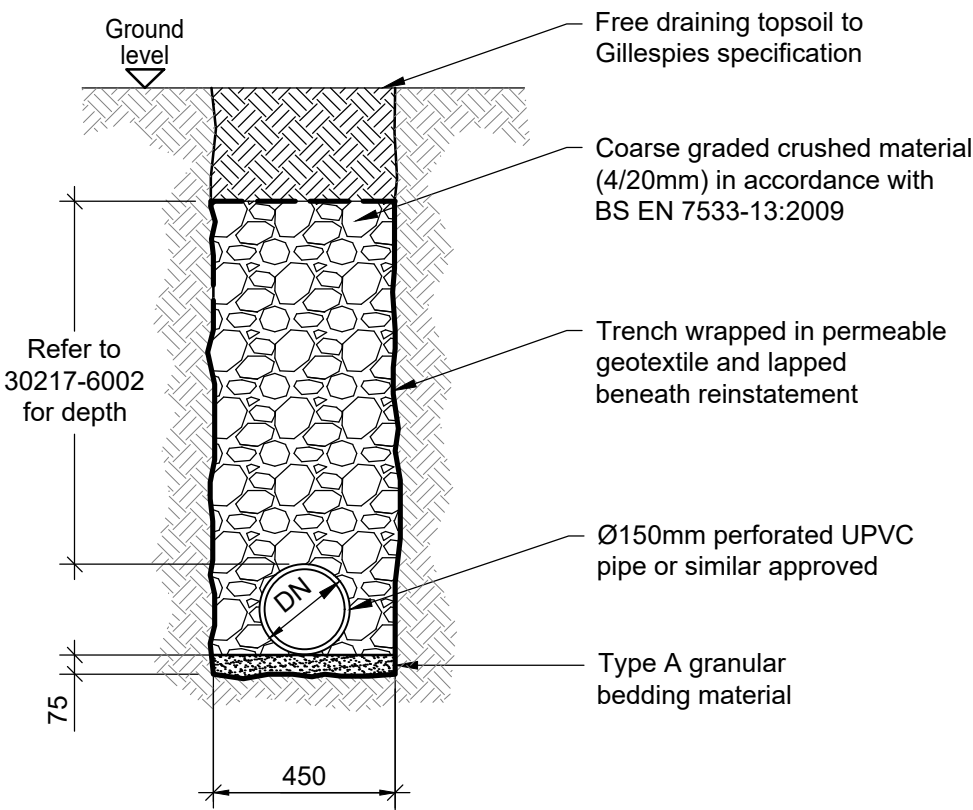
CLASS Z SURROUND

COMPLETE CONCRETE SURROUND
FOR PIPES WITH < 600mm COVER



CLASS Z SURROUND

FLEXIBLE JOINTS IN
CONCRETE SURROUND



FRENCH DRAIN

TABLE 1

DN	Minimum trench width (OD + x)		
	Supported trench	Unsupported trench	
		# > 60°	# < 60°
less 225	600	600	600
225 to 350	800	800	800
350 to 700	OD + 700	OD + 700	OD + 400
700 to 1200	OD + 850	OD + 850	
greater 1200	OD + 1000	OD + 1000	OD + 400

In the values OD + x, x/2 equals the minimum working space between the pipe and the trench wall or support, where:
OD is external diameter.
is angle of unsupported trench side measured to the horizontal.

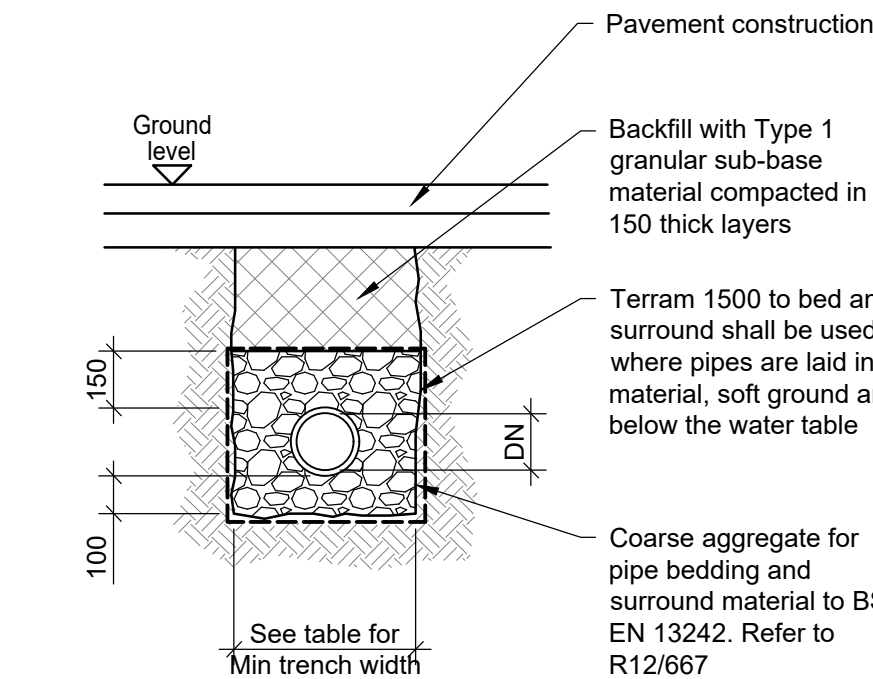
MINIMUM TRENCH WIDTH IN RELATION TO NORMAL SIZE DN

TABLE 2

Trench depth	Minimum trench width
less 1000	As Table 1
1000 to 1750	800
1750 to 4000	900
greater 4000	1000

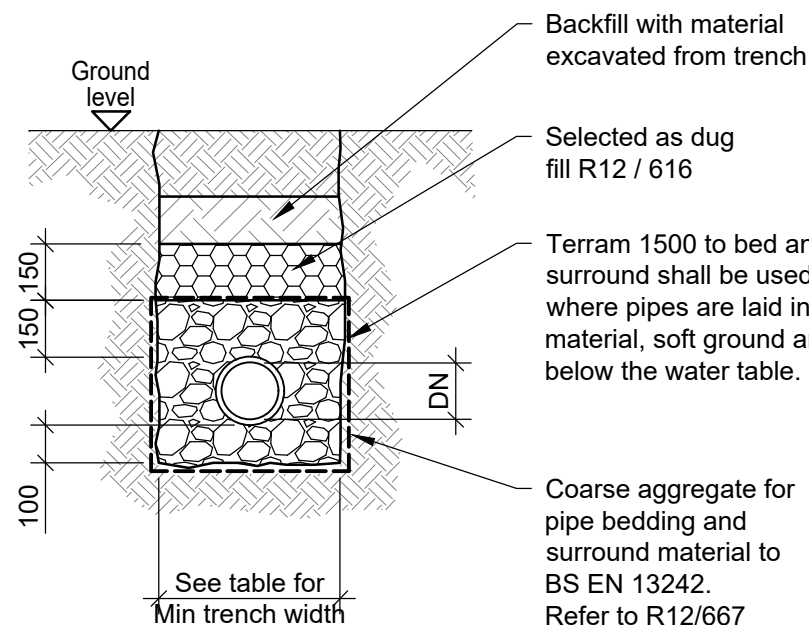
The minimum trench width shall be the greater of the values taken from tables 1 & 2.

MINIMUM TRENCH WIDTH IN RELATION TO TRENCH DEPTH



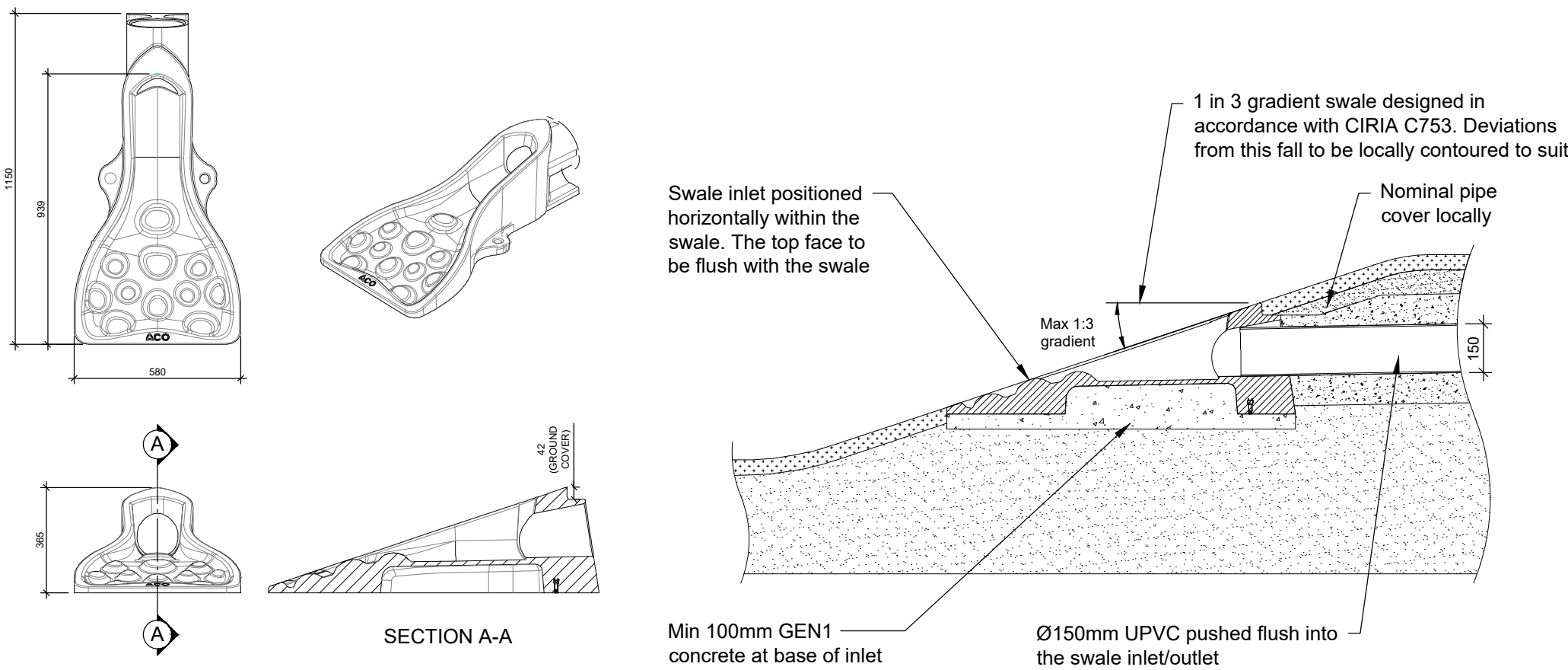
CLASS S SURROUND

GRANULAR SURROUND & BACKFILL FOR
AREAS SUBJECT TO VEHICLE LOADING
FOR PIPES WITH > 600mm COVER

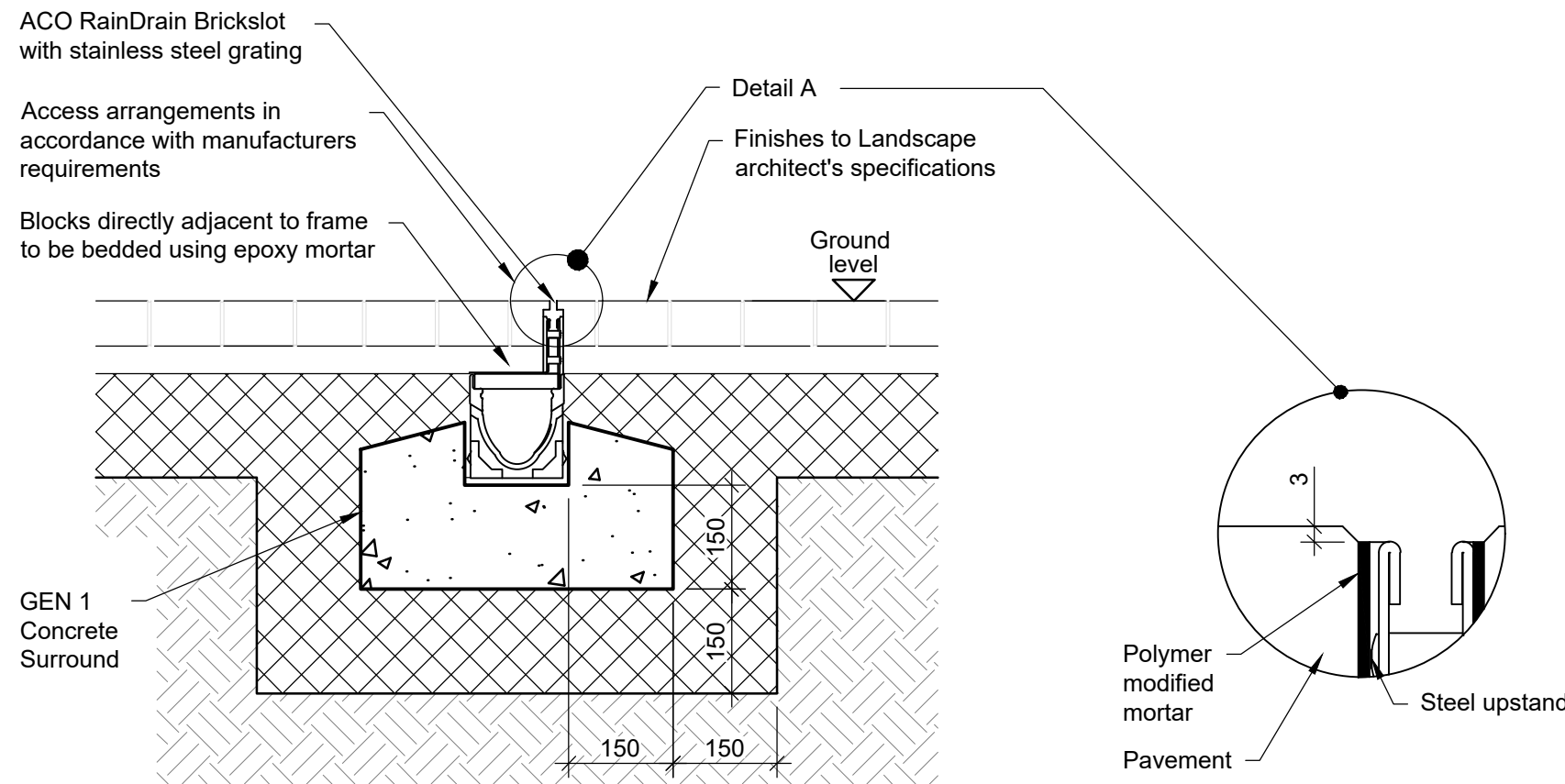


CLASS S SURROUND

GRANULAR SURROUND & BACKFILL FOR
SOFT OR HARD LANDSCAPING AREAS
NOT SUBJECT TO VEHICLE LOADING
FOR PIPES WITH > 600mm COVER



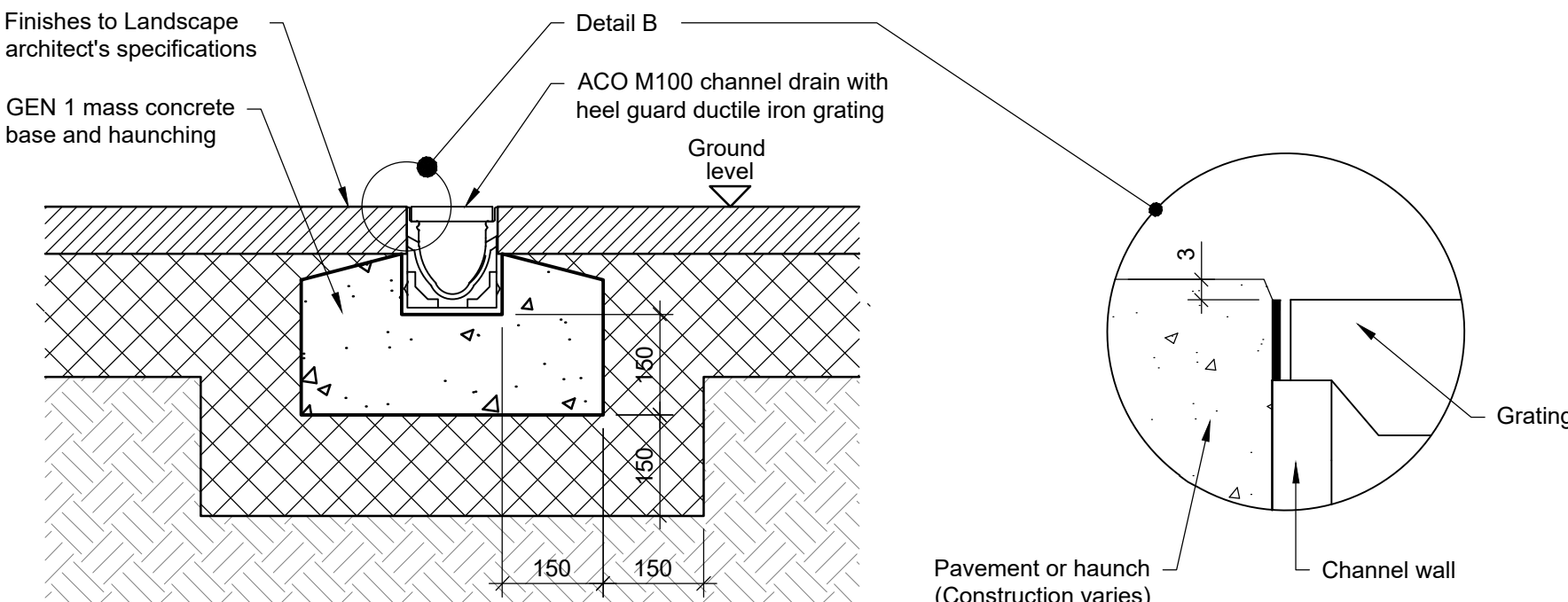
ACO SWALE INLET/OUTLET



PACKER SPOUT - LINEAR SLOT DRAIN DETAIL

SCALE 1:10 AT A1

DETAIL - A



PROPOSED RAMP - CHANNEL DRAIN DETAIL

SCALE 1:10 AT A1

DETAIL - B

NOTES :

- This drawing is to be read in conjunction with all relevant Architect's, Engineer's and specialists' drawings and specifications.
- Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check that this drawing has been printed to the intended scale this bar should be 50mm long @ A1 or 25mm long @ A3.
- Health & Safety : All specific drawing notes are to be read in conjunction with the project "Information Pack" and "Site Rules".

P03	18.10.24	AC	SRe	Issued for Stage 4
P02	27.09.24	SRe	SRe	Issued for Draft Stage 4
P01	19.09.23	AC	SRe	Issued for Information
Rev	Date	Drawn	Eng	Amendment

BROADFIELD SLOPES ROCHDALE

BELOW GROUND DRAINAGE DETAILS

SHEET 2

Status
STAGE 4
NOT FOR CONSTRUCTION

Drawn	AC	Eng	SRe
Scales	1:20 at A1 UNO	1:40 at A3 UNO	
Drawing No	30217 / 6102	Rev	P03
Doc Ref.	-		

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