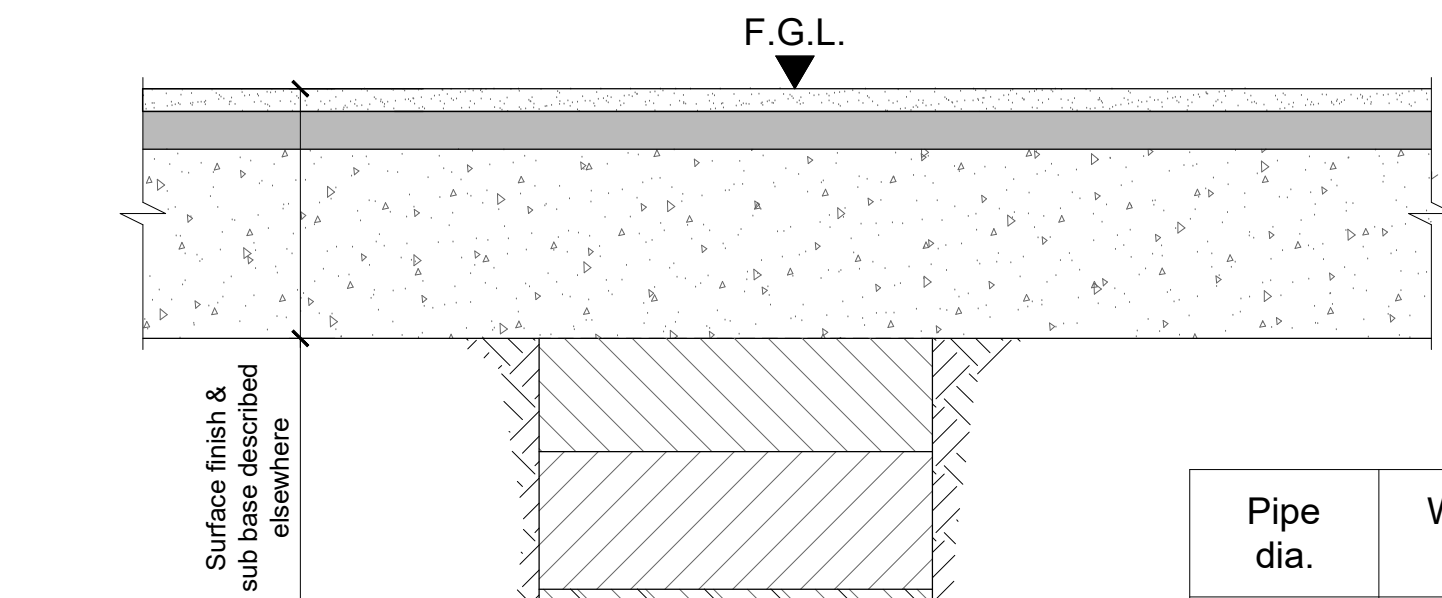




Clause 804/808 backfill in trafficked areas compacted in accordance with specification selected excavated backfill in untrafficked areas

Where cover < 1.2m in trafficked areas & 0.900m in untrafficked areas and under building slabs use concrete bed & surround to detail shown

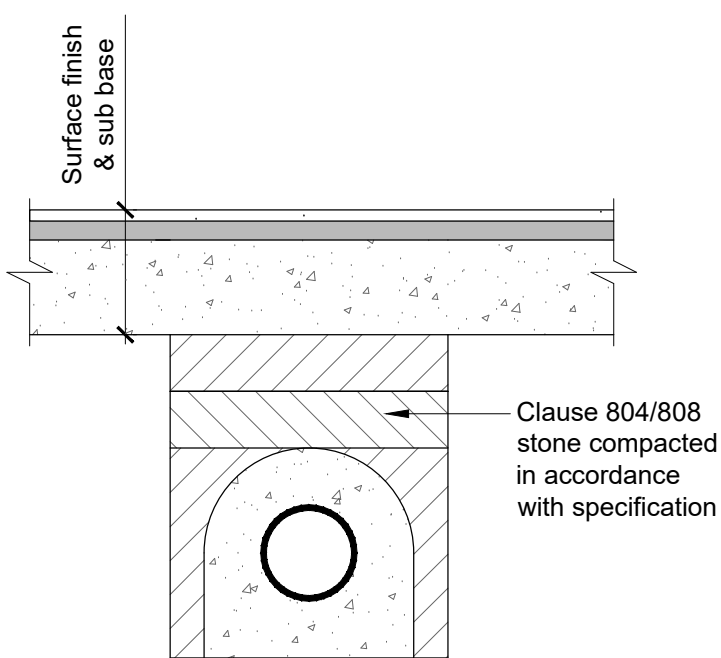
Bed of granular material thoroughly compacted before laying pipes

Typical Pipe Bedding
Scale 1:20

Pipe dia.	Width bd	"Y" rock, etc.
100	550	200
150	600	200
225	700	200
300	750	200
375	1050	200
450	1150	200
600	1350	200

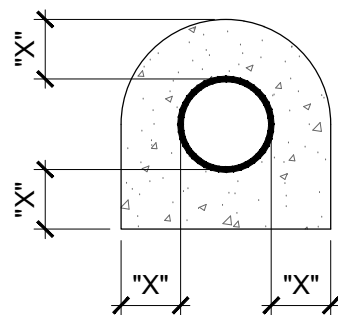
Detail of granular bed and surround to surface water and foul drainage

Note:
The material for the granular bedding & surround shall be coarse graded aggregate between 5-20mm in size or as advised on layout / specific detail drawings.

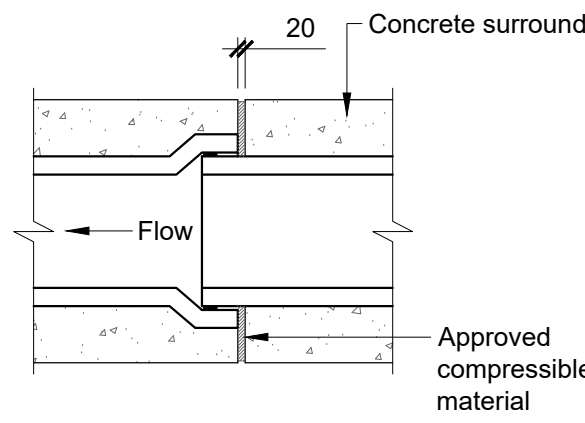


Concrete bed & surround

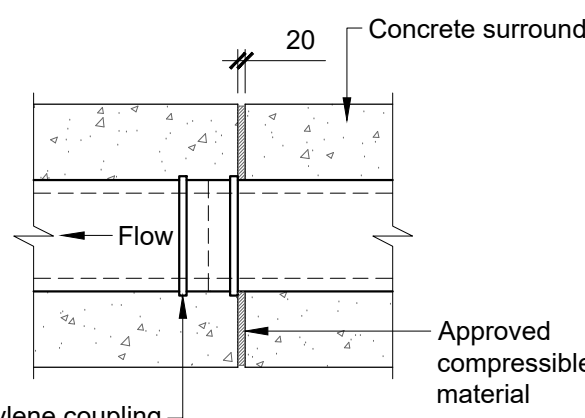
Dimension "X" = 150mm for pipes < 6000



Concrete bed & surround

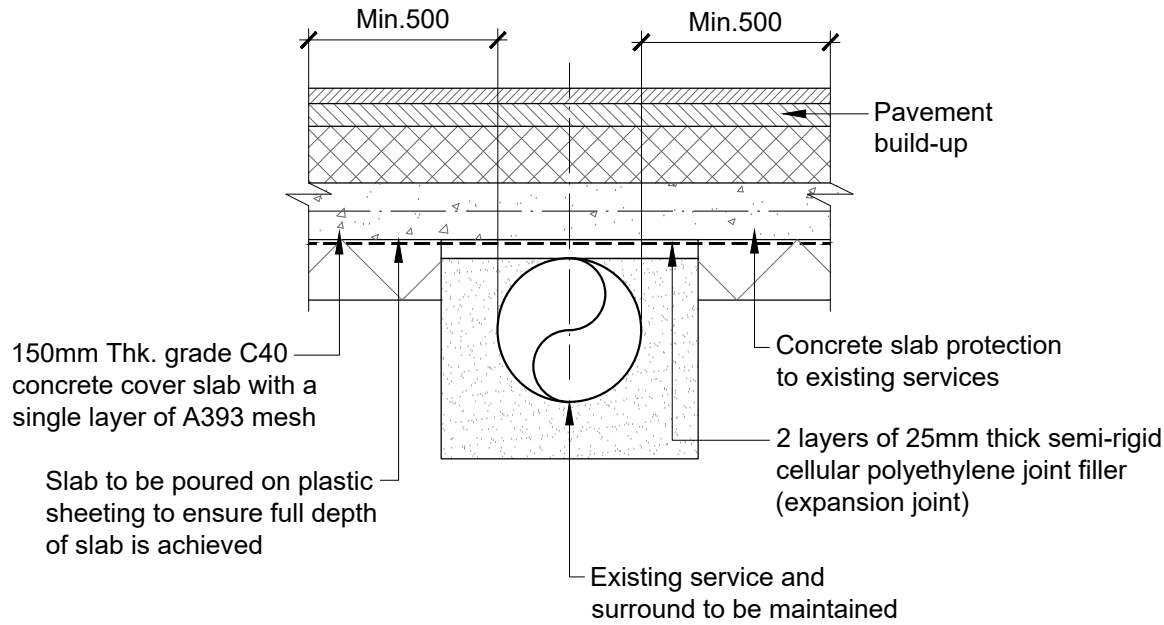


Joint in concrete surround to flexible jointed spigot & socket concrete pipes

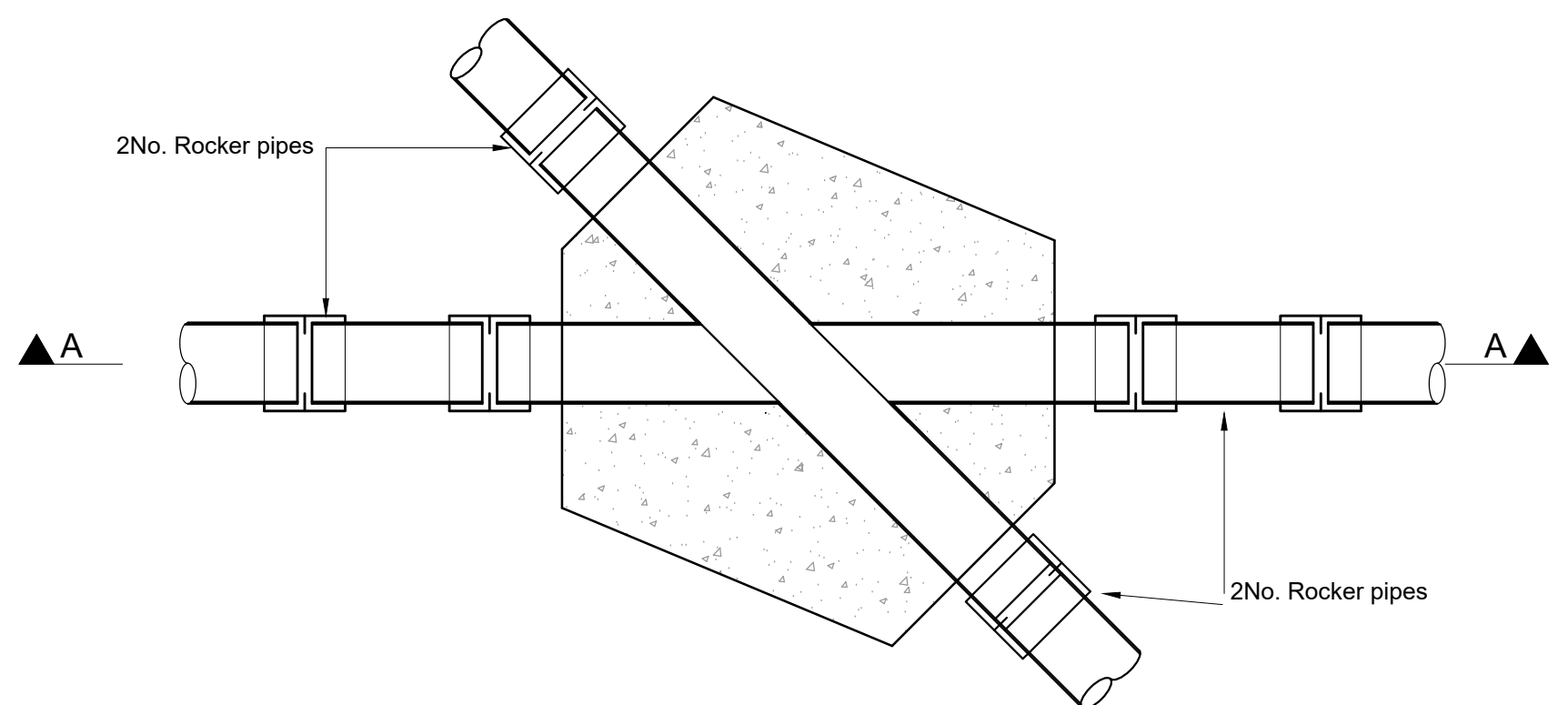


Joint in concrete surround to clayware pipes

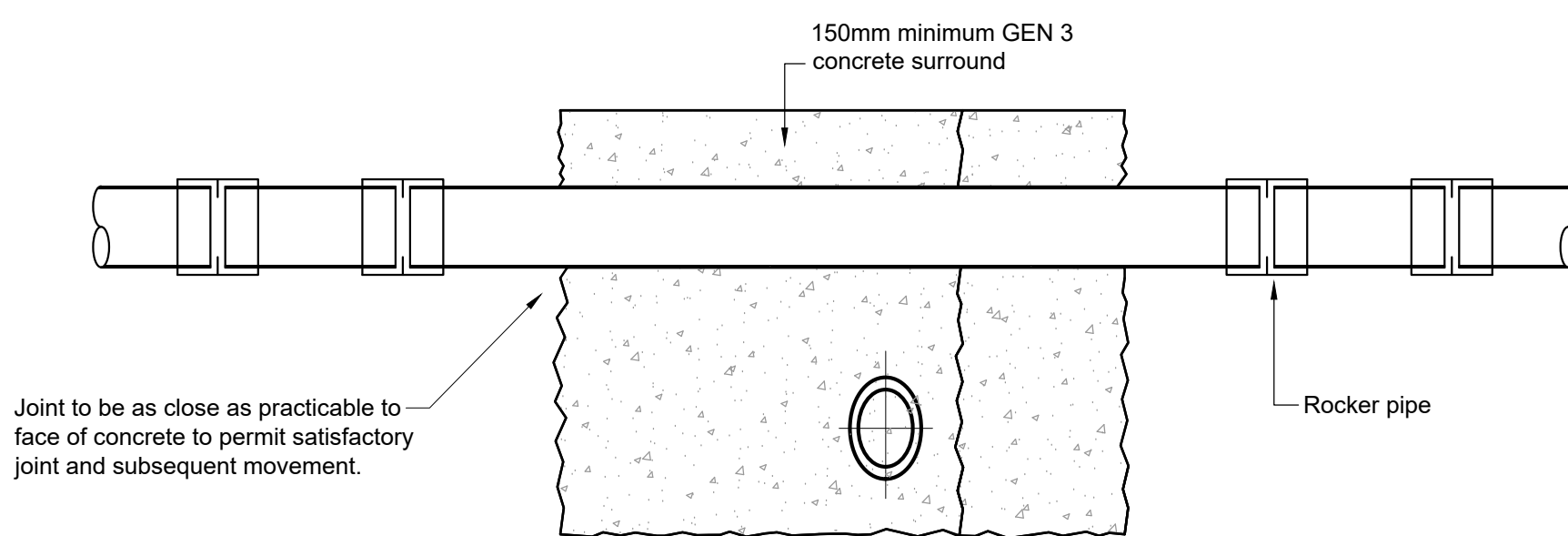
Notes:
1. Concrete to be grade 20
2. Joints with approved compressible material shall not be more than 5m apart
3. Where sewers have a concrete bed & surround, flexibility of all joints is to be maintained by providing a flexible joint through concrete using a compressible board. Board to be pre-cut to pipe diameter and to provide a complete break between the concrete surrounds. The compressible board is to be 18mm thick for pipe sizes up to 450mm diameter and 36mm thick for larger diameters



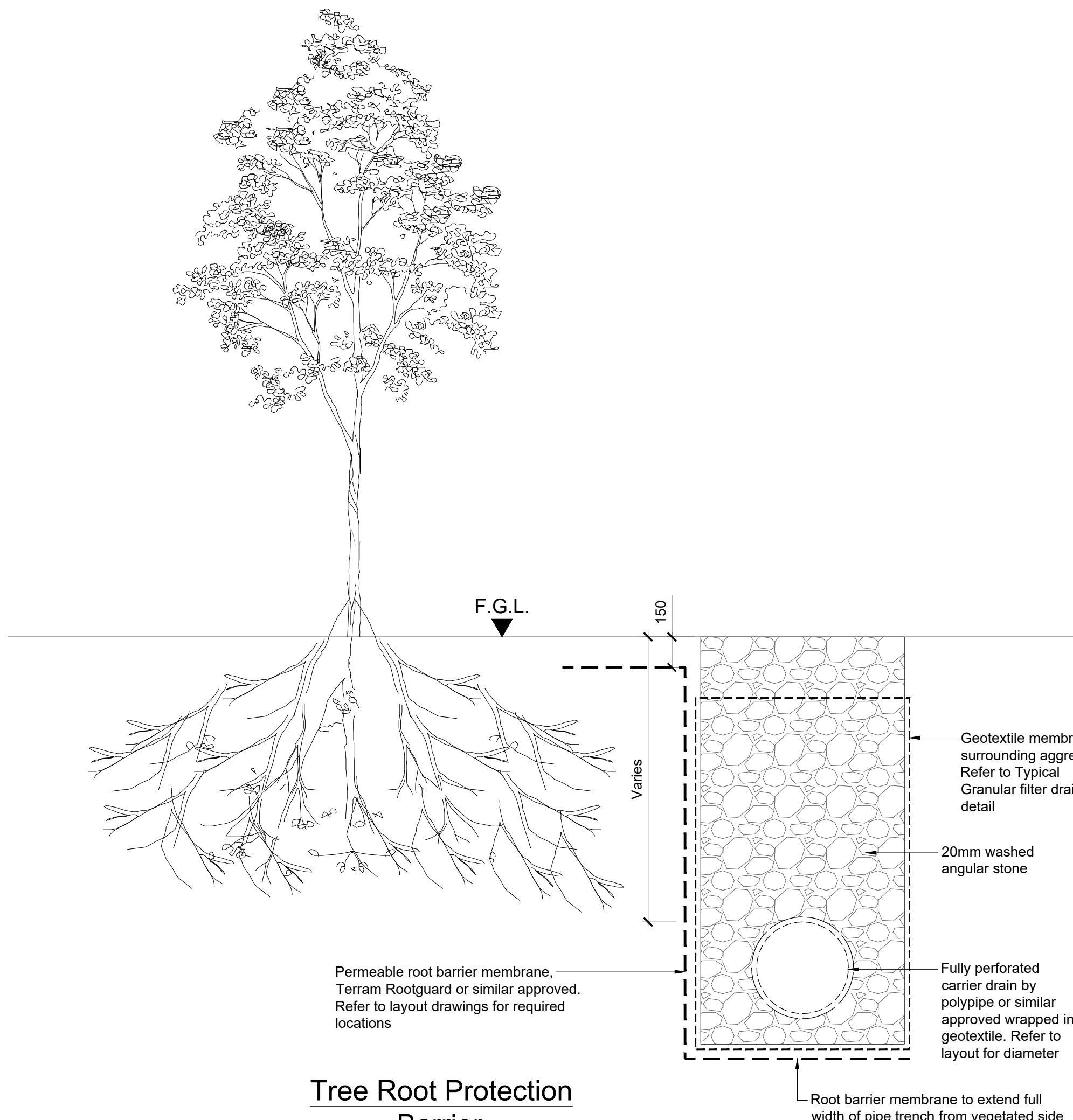
Pipe Protection Detail 2
Scale 1:20



Pipe Crossover Detail (Plan)
Scale 1:20



Pipe Crossover Detail Section A-A
Scale 1:20



Tree Root Protection Barrier
Scale 1:20

C01	03/10/25	DB	AS	GS
Issued for Planning (Status A2)				
P01	01/07/25	DB	AS	GS
Issued for Information (Status S2)				
Rev	Date	By	Chkd	Appd

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Client
Limerick Twenty Thirty

Project Title
Cleaves Riverside Quarter Masterplan

Drawing Title
Proposed Details Sheet 3

Scale at A1	1:20
Role	Civil Drainage
Suitability	A2 - Issued for Planning
Arup Job No	277975-00
Name	CRQMP-ARUP-XX-00-DR-CE-4403
Rev	C01