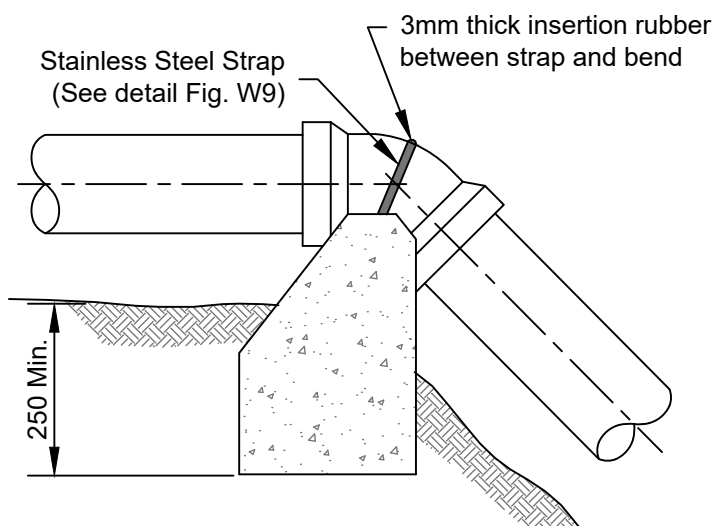


Anchor block minimum volume
as per table See note 2

PLAN



ELEVATION VERTICAL BENDS

Minimum Block Volume for Anchorage

Vertical Bends (For test pressure of
1000 kPa - see note 2)

Pipe Dia.	Concrete Volume m ³		
	11.25° Bend	22.5° Bend	45° Bend
100	N	N	0.3
150	N	0.3	0.6
200	0.2	0.5	1.1
225	0.3	0.6	1.4
250	0.3	0.7	2.5
300	0.4	1.1	3.8
375	0.7	1.8	5.8
450	Detailed design required (Alternative methods to be considered)		
500			
600			
750			

'N' - No additional restraint required
(Compacted Trenchfill sufficient)

ANCHOR BLOCK CONSTRUCTION NOTES:

- Locate anchor block centrally around bend.
- Key anchor block into base of trench a minimum depth of 250.
- Pour concrete against a solid excavation face.
- Use grade 17.5MPa concrete.
- Keep concrete clear of all bolts, nuts and pipe joints.

Note:

1. All dimensions in millimetres, unless shown otherwise.
2. Anchor blocks in the table are designed for a test pressure of 1000 kPa (100m head) adjust concrete volume to suit actual test pressure.
3. Where DI pipe and fittings with restrained joints are used thrust blocks are not required.
4. Thrust block reinforcement as specified in design drawings.
5. Where specified provide concrete thrust blocks for soc-soc valves, thrust are to be for dead ends as shown in W8
6. Install puddle flanges on class K12 DICL pipe.

Not to scale