



Diagram illustrating a 112° bend in a pipe, showing dimensions and components:

- SETTING OUT POINT P02**: Indicated at the start of the bend.
- Ø250mm SLIP ON METAL BACK UP RINGS**: Two rings used for support during bending.
- W05**: Width of the main pipe section.
- W06**: Width of the pipe section after the bend.
- TO P02**: Directional arrow pointing towards the setting out point.
- TO G01**: Directional arrow pointing away from the bend.
- W08**: Width of the pipe section at the bend.
- Ø250mm SLIP ON METAL BACK UP RINGS**: Two rings used for support during bending.
- 112° BEND (1 NO.)**: Specification of the bend angle and quantity.
- 1:20**: Scale of the drawing.

PRECAST PROTECTION SLABS DIMENSIONS				
	LENGTH (mm)	WIDTH (mm)	DEPTH (mm)	NO OFF
TYPE 2	1500	1000	150	38

1. GENERAL
- 1.1. WATER LINE SHALL BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH THE RELEVANT PARTS OF SANS 1200L AND SANS 1200 L.
- 1.2. ALL TRENCHES SHALL BE IN ACCORDANCE WITH SANS 1200 DB
- 1.3. ALL PIPE BEDDING SHALL BE IN ACCORDANCE WITH SANS 1200LB.
2. VALVES
- 2.1. GATE VALVES SHALL BE CAST IRON FLANGED RESILIENT SEAL TYPE, COMPLYING TO SANS 664 CLASS 16.
- 2.2. GATE VALVES SHALL BE CLOCKWISE CLOSING AND SHALL HAVE RISING SPINDLES.
3. FLANGES
- 3.1. ALL FLANGES SHALL COMPLY WITH SANS 1123 TABLE 15.
- 3.2. THE JOINTING MATERIAL USED ON FLANGE JOINTS SHALL BE A 3mm NEOPRENE RUBBER INSERTION.
- 3.3. FULL FACE GASKETS SHALL BE USED ON ALL JOINTS.
- 3.4. ALL BURIED FLANGED JOINTS SHALL BE COVERED WITH DENSO MASTIC AND WRAPPED WITH DENSO TAPE.
- 3.5. ANY BOLTS, NUTS, WASHERS & BACK UP RINGS USED ON FLANGES ARE TO BE STAINLESS STEEL GRADE 316 STAINLESS STEEL TO ASTM 240
5. CORROSION PROTECTION FOR PIPEWORK
- 5.1.1. ALL EXTERNAL AND INTERNAL SURFACES OF ALL CAST IRON FITTINGS SHALL BE PROTECTED WITH A WATER RESISTANT, NON-TOXIC AND NON-TAINING, FUSION BONDED EPOXY PIPE COATING TO A MINIMUM THICKNESS OF 300 MICRONS IN ACCORDANCE WITH SANS 1217.
- 5.1.2. THE CONTRACTOR SHALL SUBMIT A METHOD STATEMENT FOR APPROVAL PRIOR TO APPLYING PROTECTION SYSTEM.
6. HDPE PIPES
- 6.1. HDPE PIPES ARE TO BE PE 100 CLASS 16 WITH A STANDARD DIAMETER RATIO OF 11 IN ACCORDANCE WITH ISO 4427.
- 6.2. HDPE PIPES ARE TO BE JOINED TOGETHER BY ELECTROFUSION COUPLING IN ACCORDANCE WITH SANS 10286 PART 2.
- 6.3. COUPLINGS AND FITTINGS MAY NOT HAVE A PRESSURE RATING LOWER THAN THAT OF THE PIPES BEING JOINED TOGETHER.
7. PRECAST PROTECTION SLABS
- 7.1. PRECAST PROTECTION SLABS ARE TO BE CONSTRUCTED WITH 40MPa CONCRETE.
- 7.2. PROTECTION SLABS ARE TO BE REINFORCED WITH ONE ROW OF Y8 WELDED MESH REINFORCING WITH A PITCH OF 200mm.
- 7.3. THE COVER TO REINFORCEMENT IS TO BE 60mm.

SEE 1785-C0-120-C-DWG-0004-01 FOR DETAILS
OF DEMOLITION AND MAKING GOOD OF CONCRETE
PAVEMENT

FOR CONCRETE PAVEMENT

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