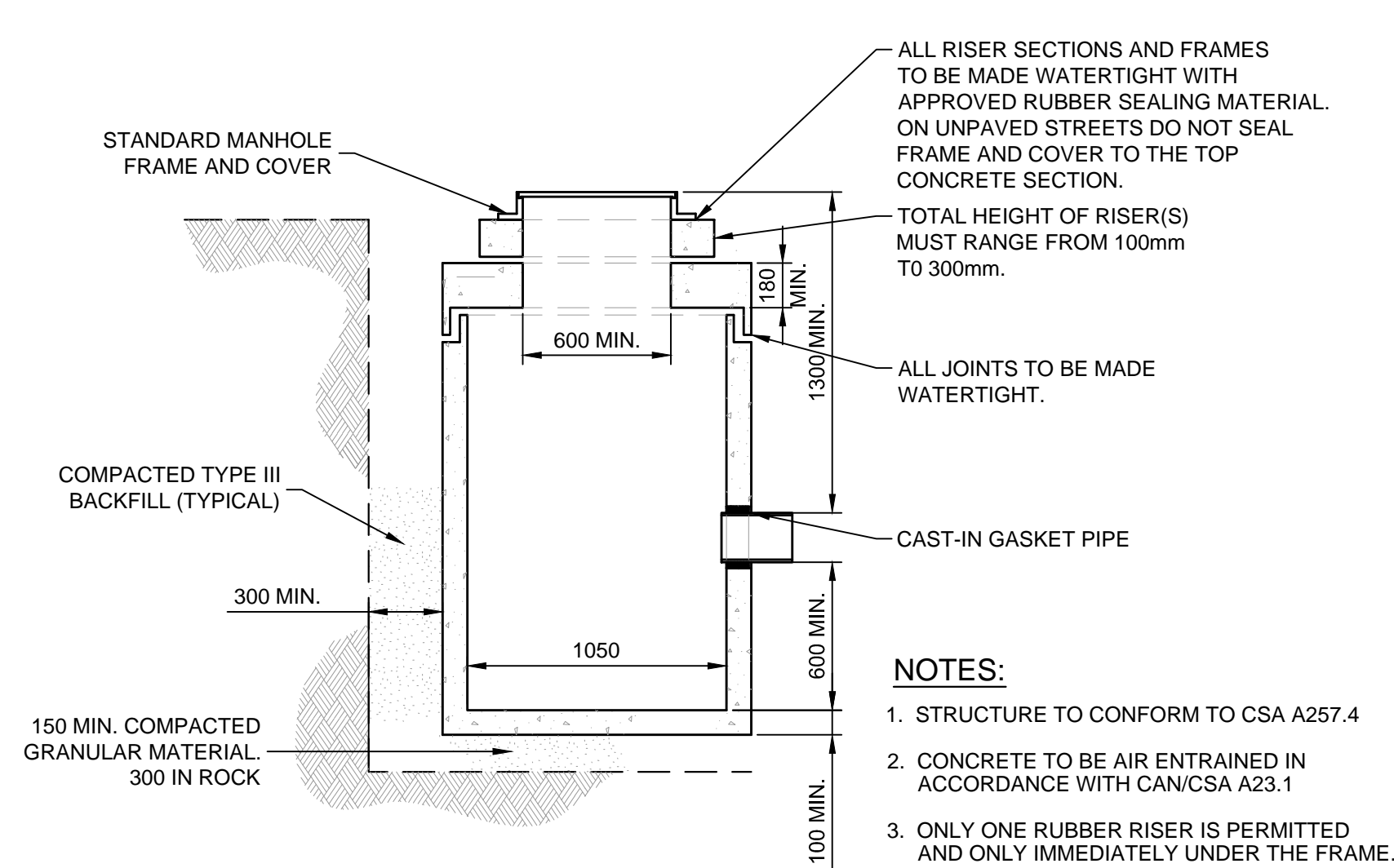


TEE AND END CAP

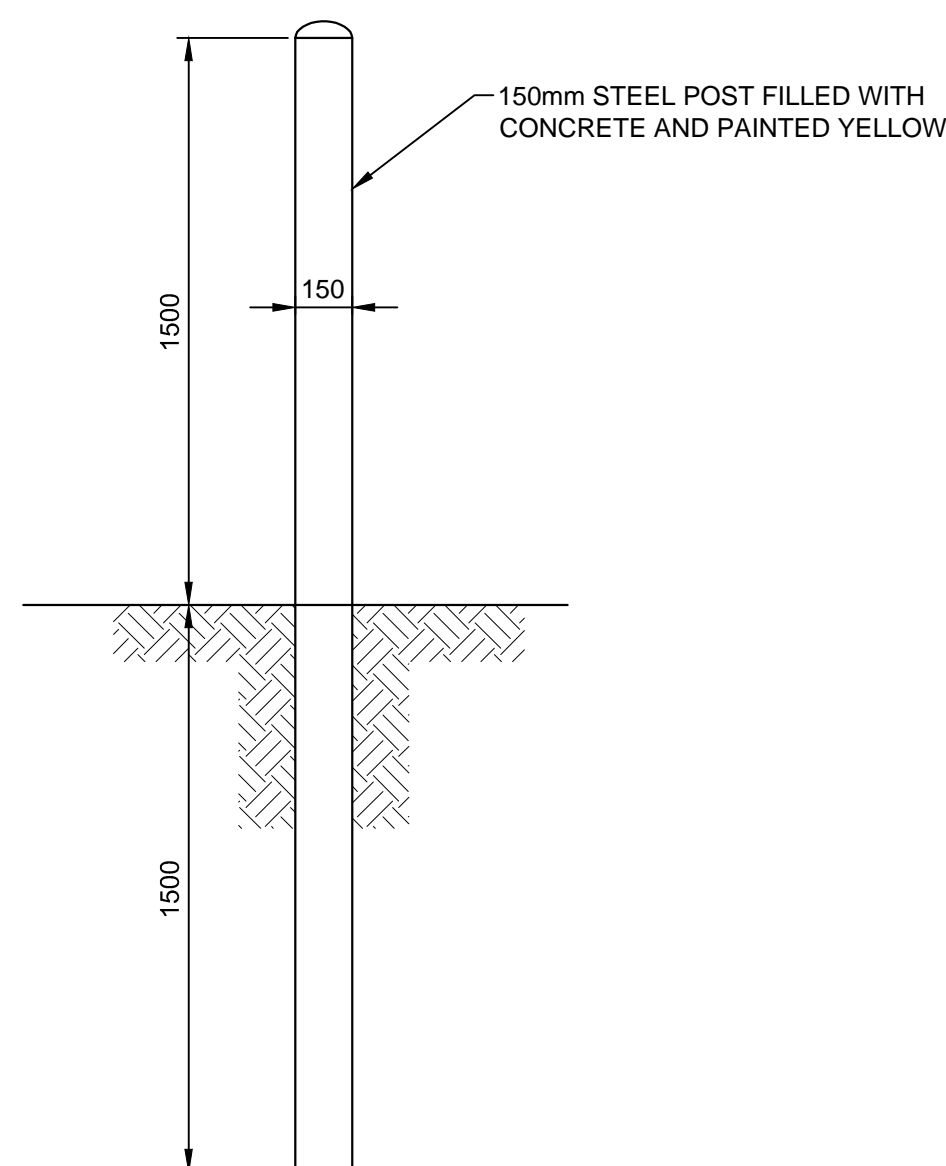
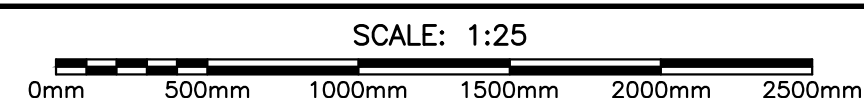
HORIZONTAL BENDS

| MINIMUM CONTACT AREAS FOR HORIZONTAL CONCRETE THRUST BLOCKS | | | | | | |
|--|---|------|----------|----------|------------|-------------|
| PIPE DIA. | AREA *M ² FOR SOIL SUPPORTING CAPACITY OF 100 kPa* | | | | | |
| mm | CAP/PLUG | TEE | 90° BEND | 45° BEND | 22.5° BEND | 11.25° BEND |
| 100 | 0.25 | 0.25 | 0.32 | 0.20 | 0.16 | 0.16 |
| 150 | 0.48 | 0.48 | 0.64 | 0.40 | 0.24 | 0.16 |
| 200 | 0.80 | 0.80 | 1.12 | 0.64 | 0.32 | 0.16 |
| 250 | 1.28 | 1.28 | 1.76 | 0.96 | 0.48 | 0.24 |
| 300 | 1.76 | 1.76 | 2.56 | 1.44 | 0.72 | 0.40 |

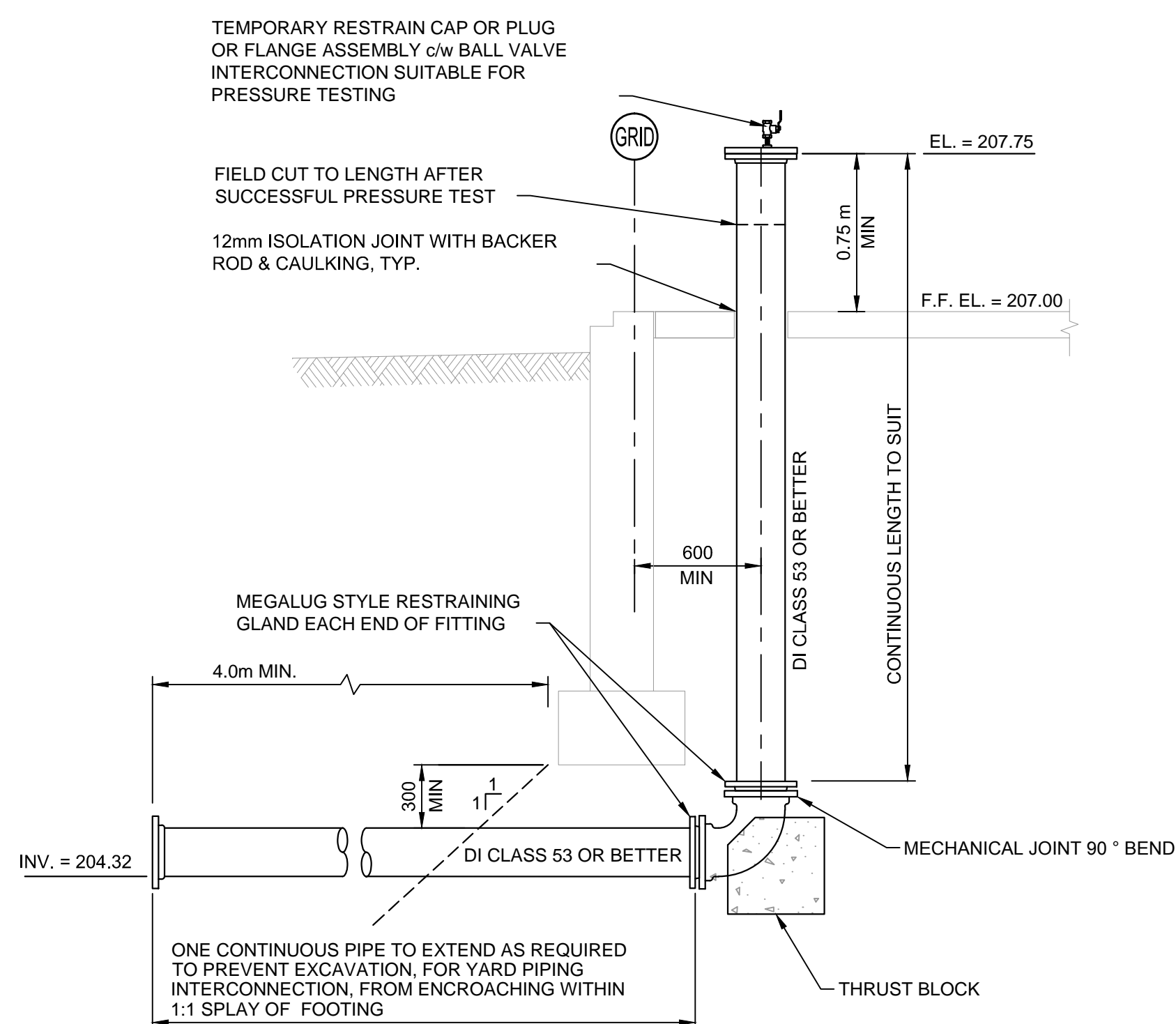
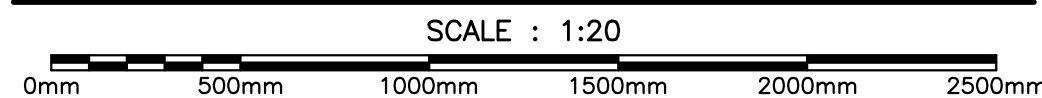
| PIPE DIAMETER, mm | mm |
|-------------------|-----|
| 100 | 450 |
| 150 | 450 |
| 200 | 450 |
| 250 | 600 |
| 300 | 750 |



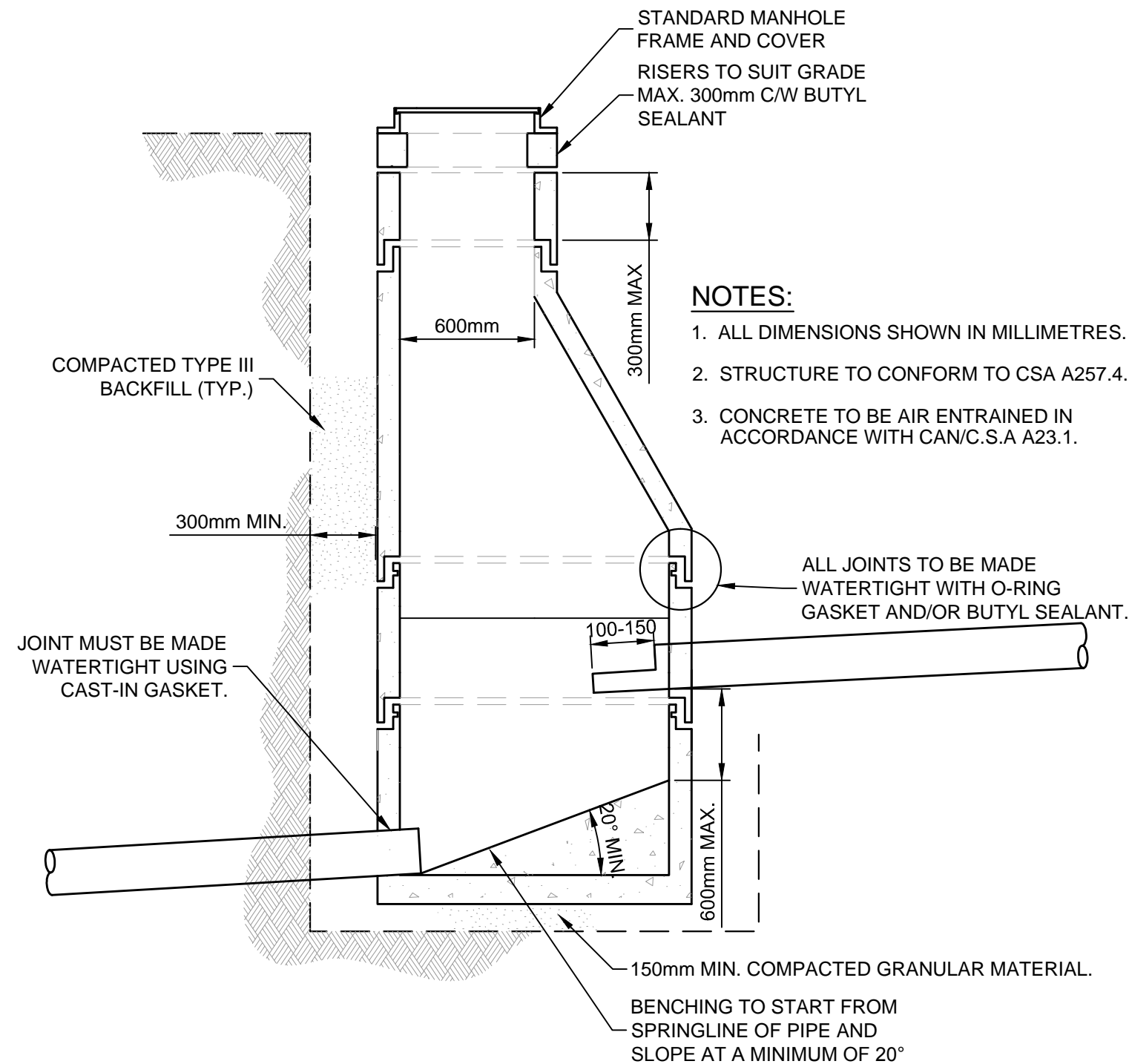
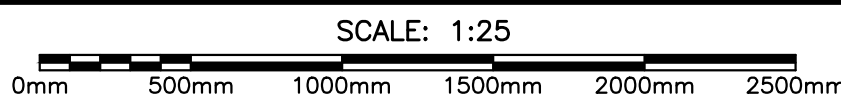
TYPICAL CATCH BASIN MANHOLE DETAIL



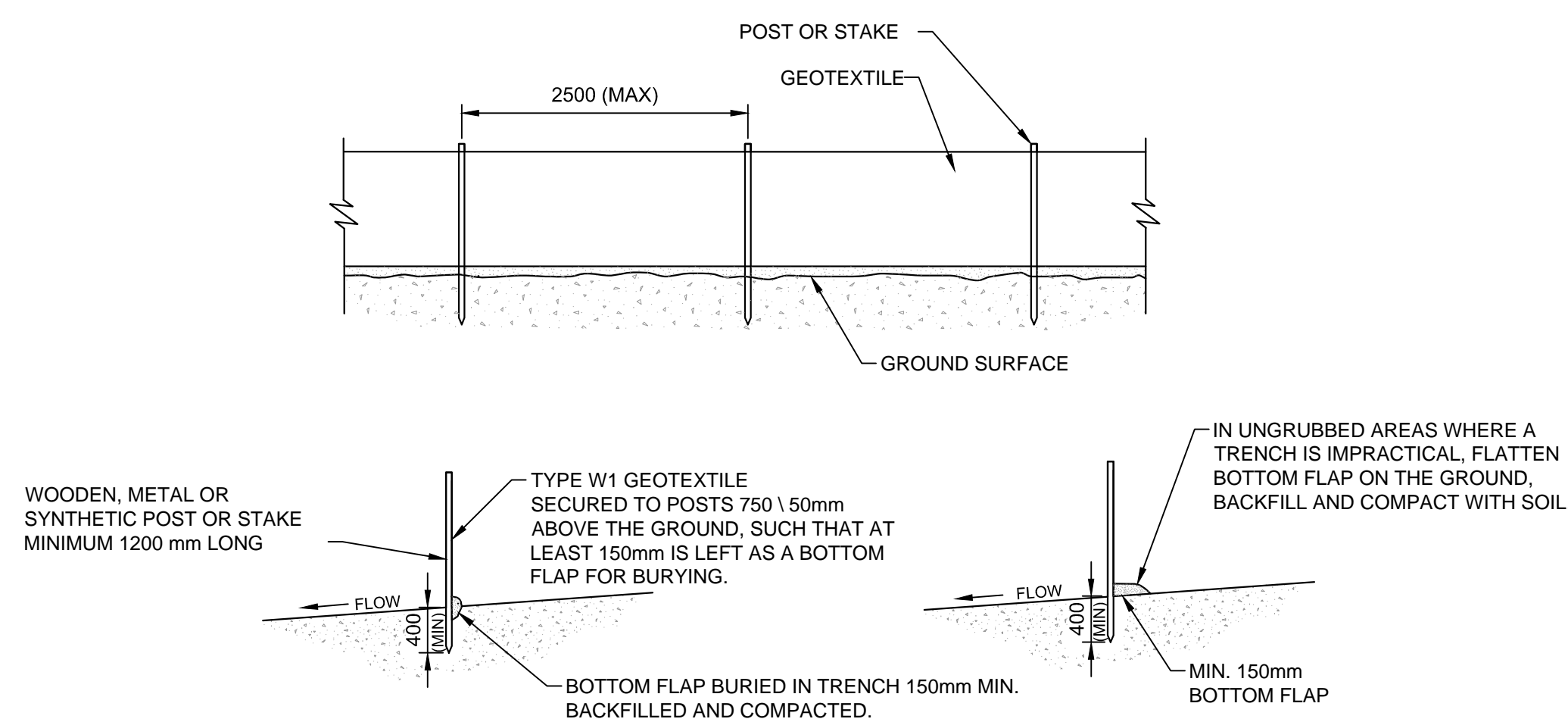
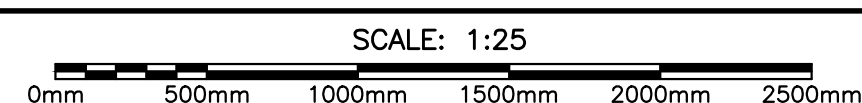
BOLLARD DETAIL



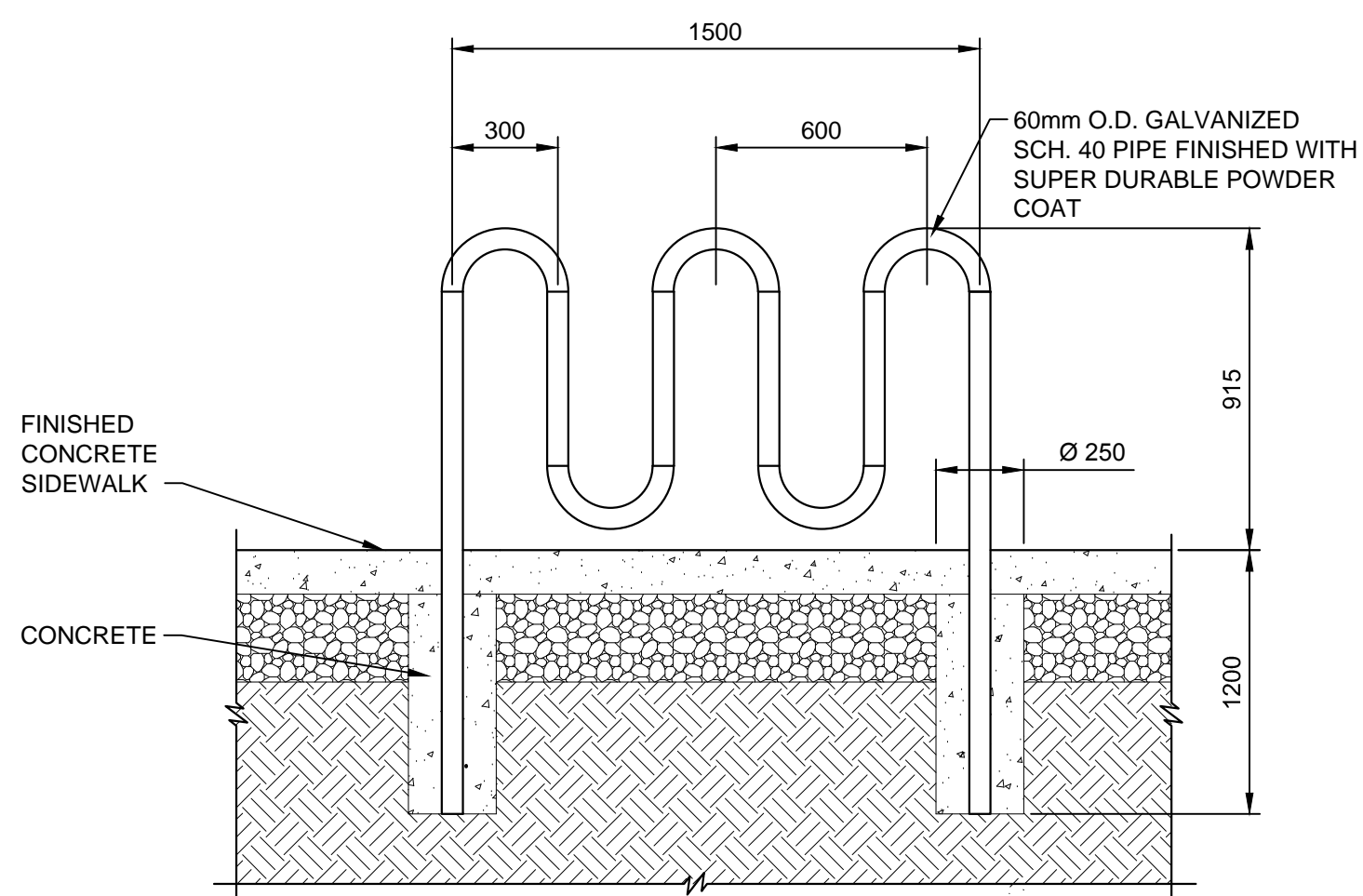
WATER SUPPLY RISER DETAIL



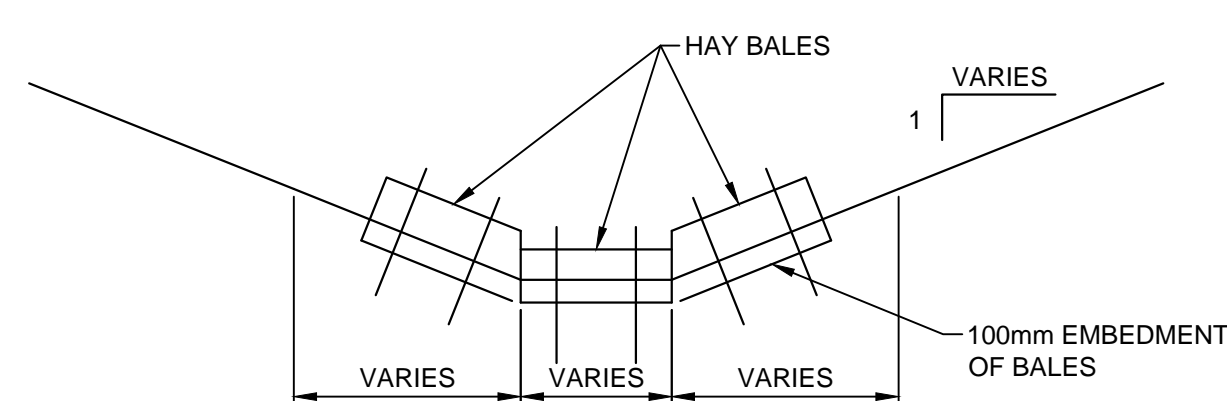
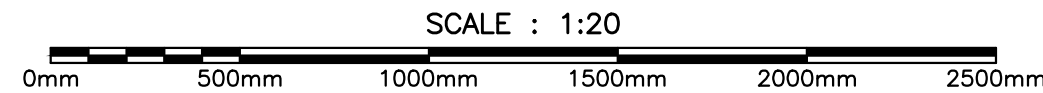
TYPICAL SANITARY MANHOLE DETAIL



SEDIMENT FENCE DETAIL



BIKE RACK



CHECK DAM DETAIL

