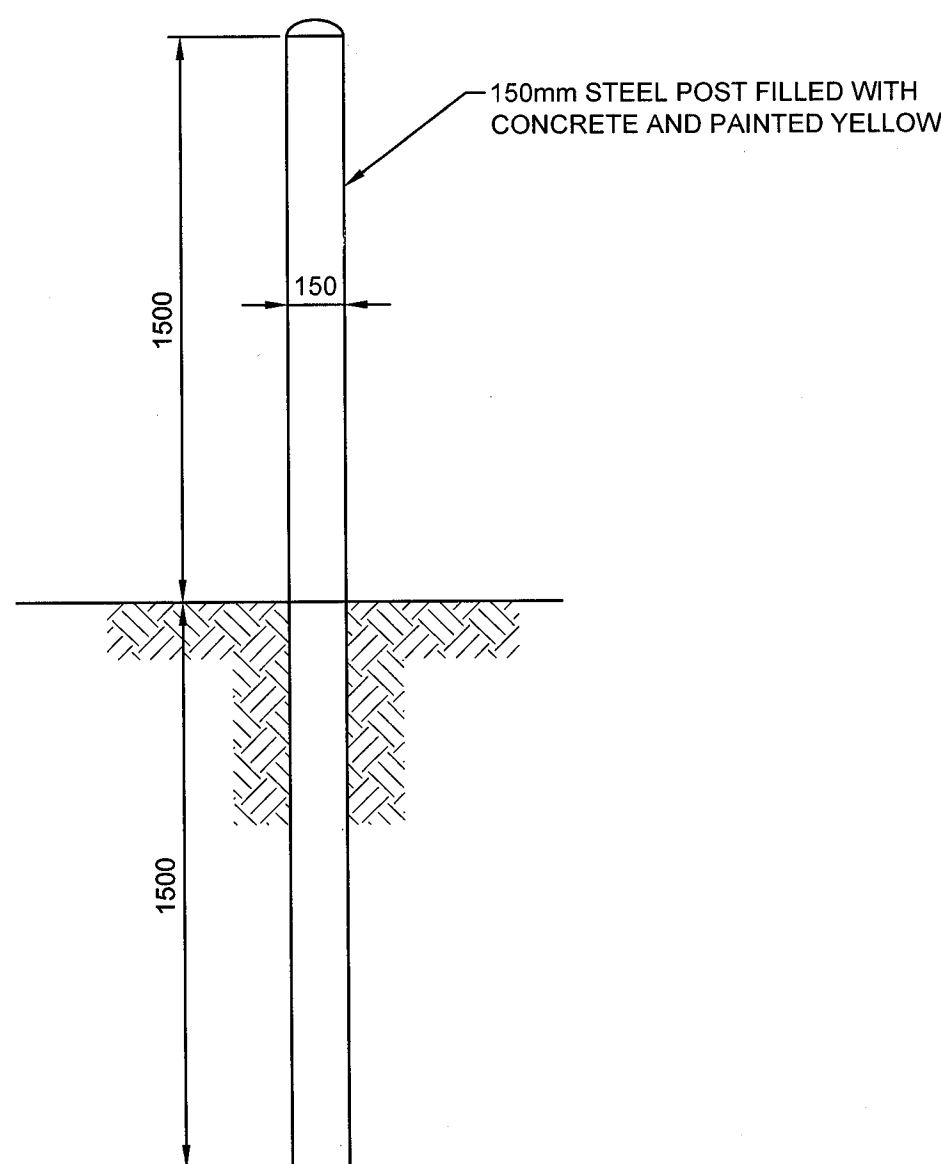
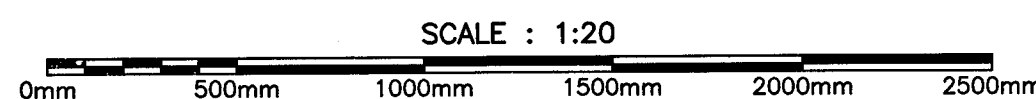


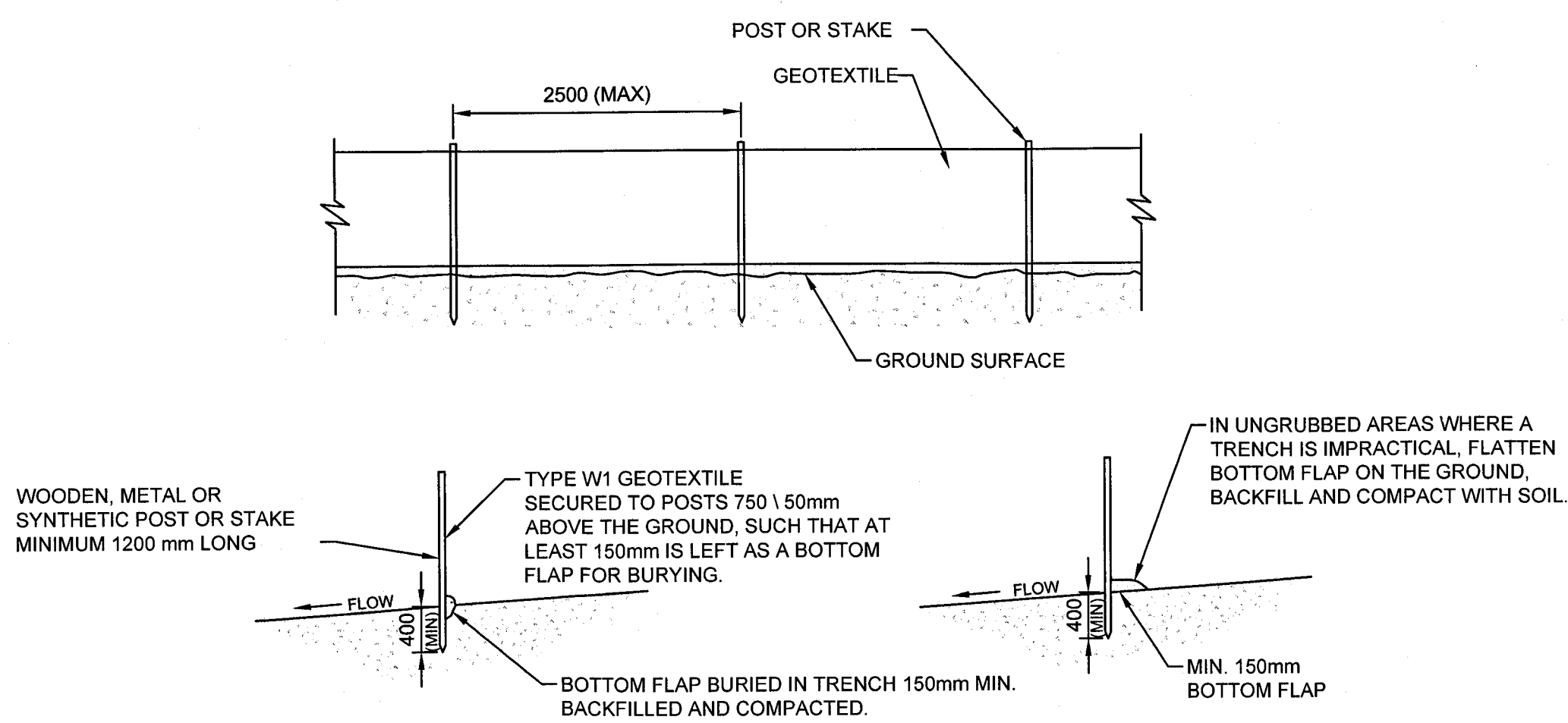
TEE AND END CAP

THRUST BLOCK DETAIL



BOLLARD DETAIL

SCALE: 1:20



SEDIMENT FENCE DETAIL

SCALE: 1:50

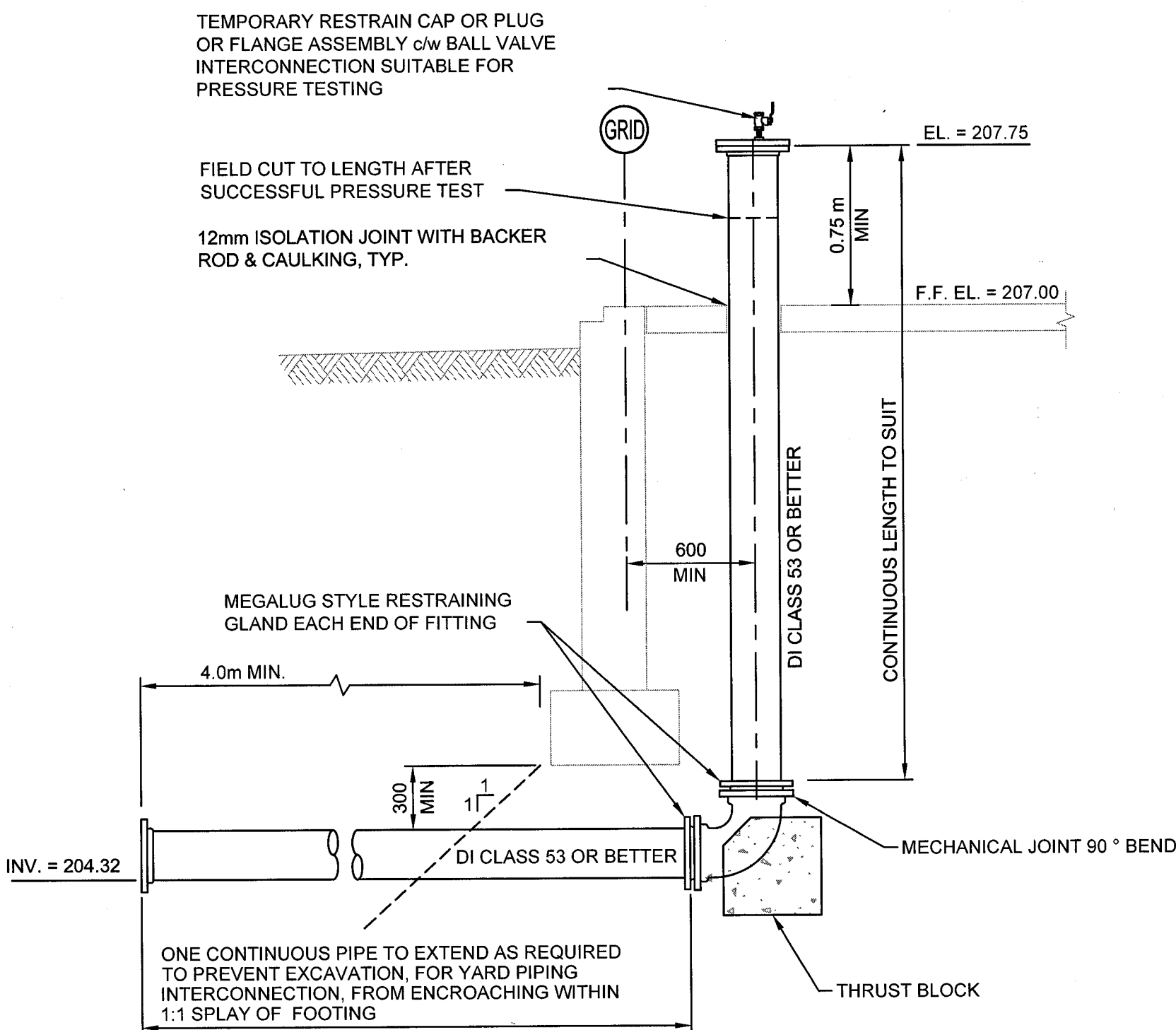


MINIMUM CONTACT AREAS FOR HORIZONTAL CONCRETE THRUST BLOCKS

PIPE DIA.	AREA, m ² FOR SOIL SUPPORTING CAPACITY OF 100 kPa*	90° BEND	45° BEND	22.5° BEND	11.25° BEND
mm	CAP/PLUG	TEE			
100	0.25	0.25	0.32	0.20	0.16
150	0.48	0.48	0.64	0.40	0.32
200	0.80	0.80	1.12	0.64	0.56
250	1.28	1.28	1.76	0.96	0.80
300	1.76	1.76	2.56	1.44	1.12

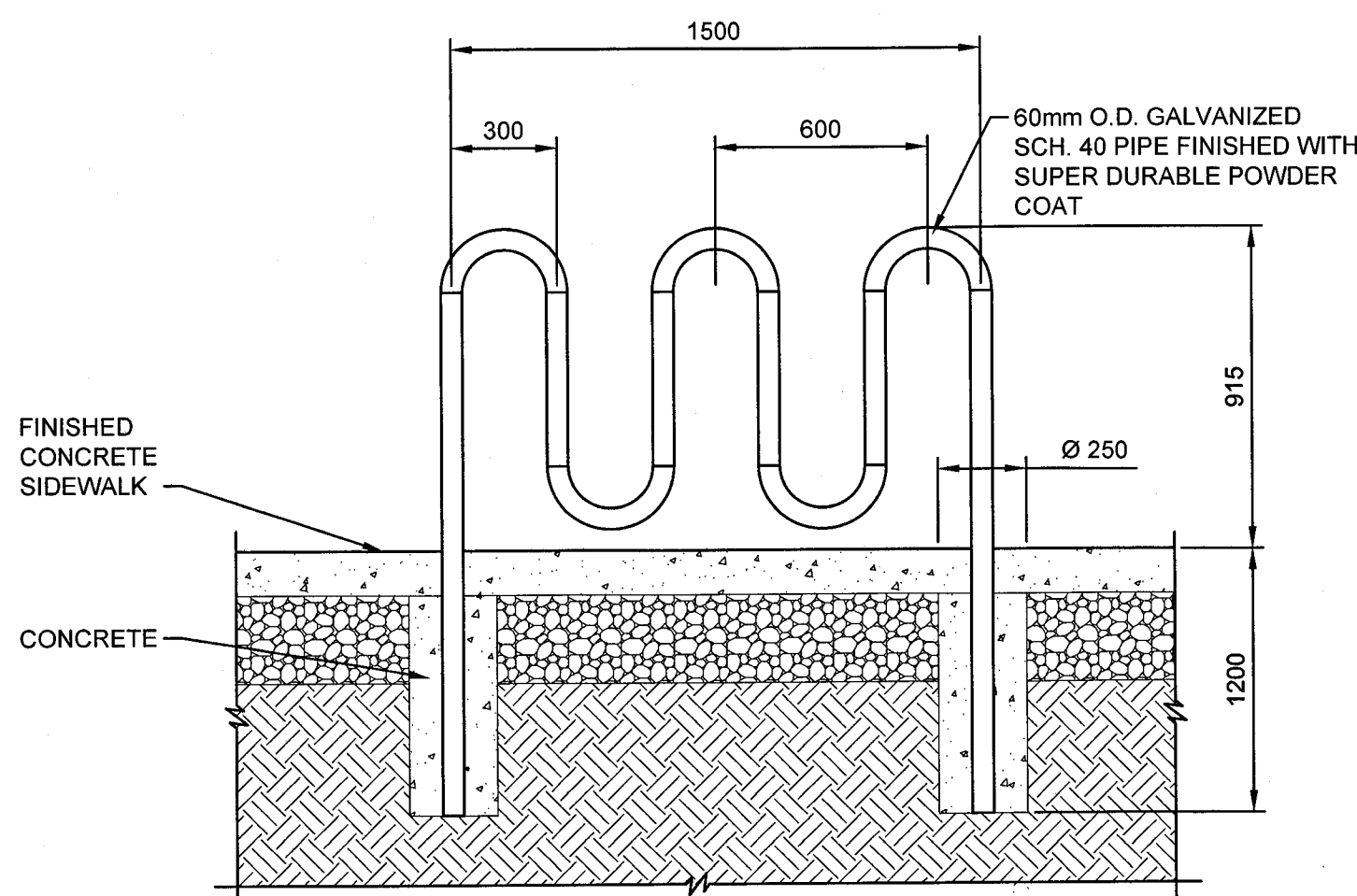
MINIMUM DISTANCE FROM FITTING TO UNDISTURBED GROUND

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



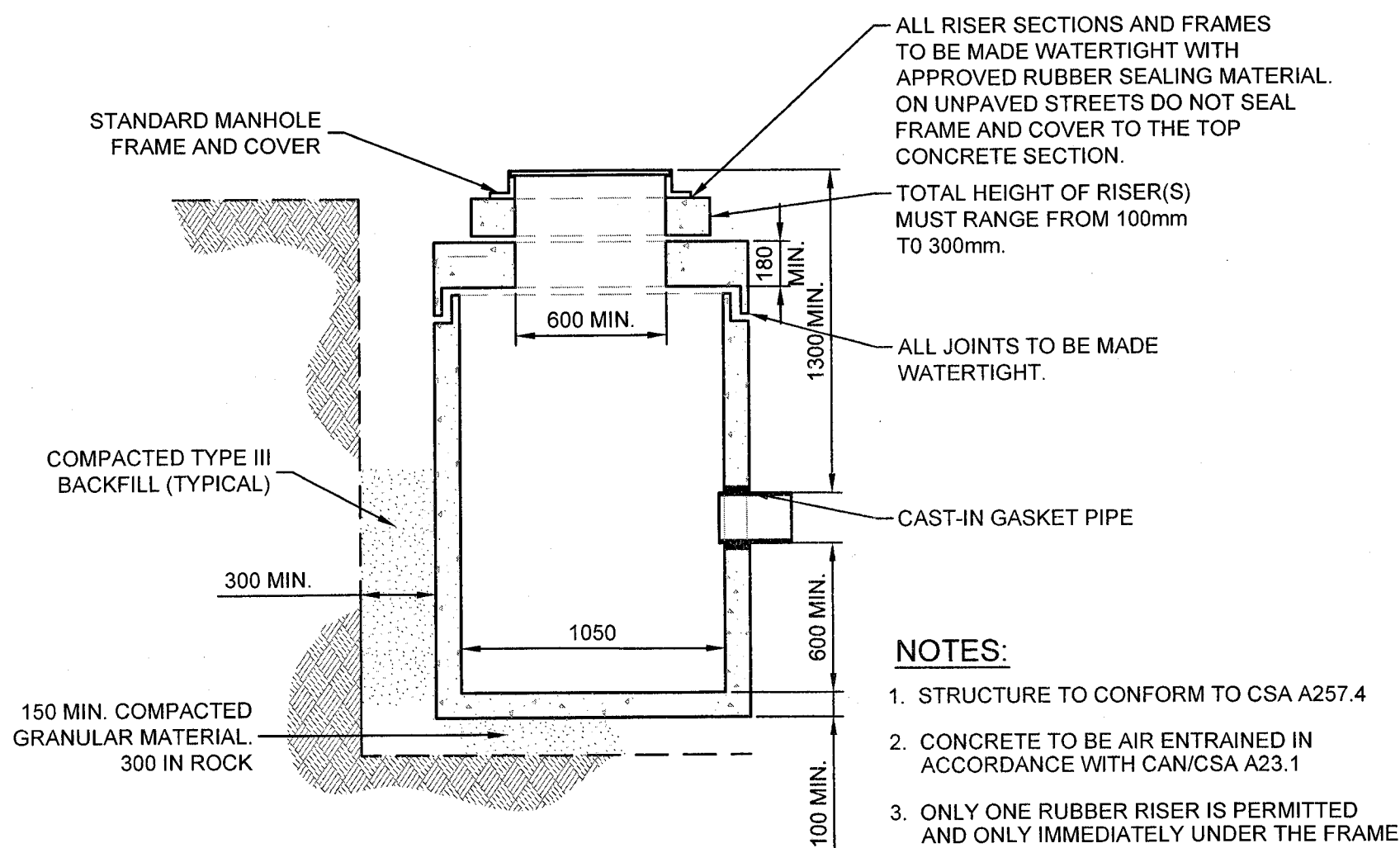
WATER SUPPLY RISER DETAIL

SCALE: 1:25



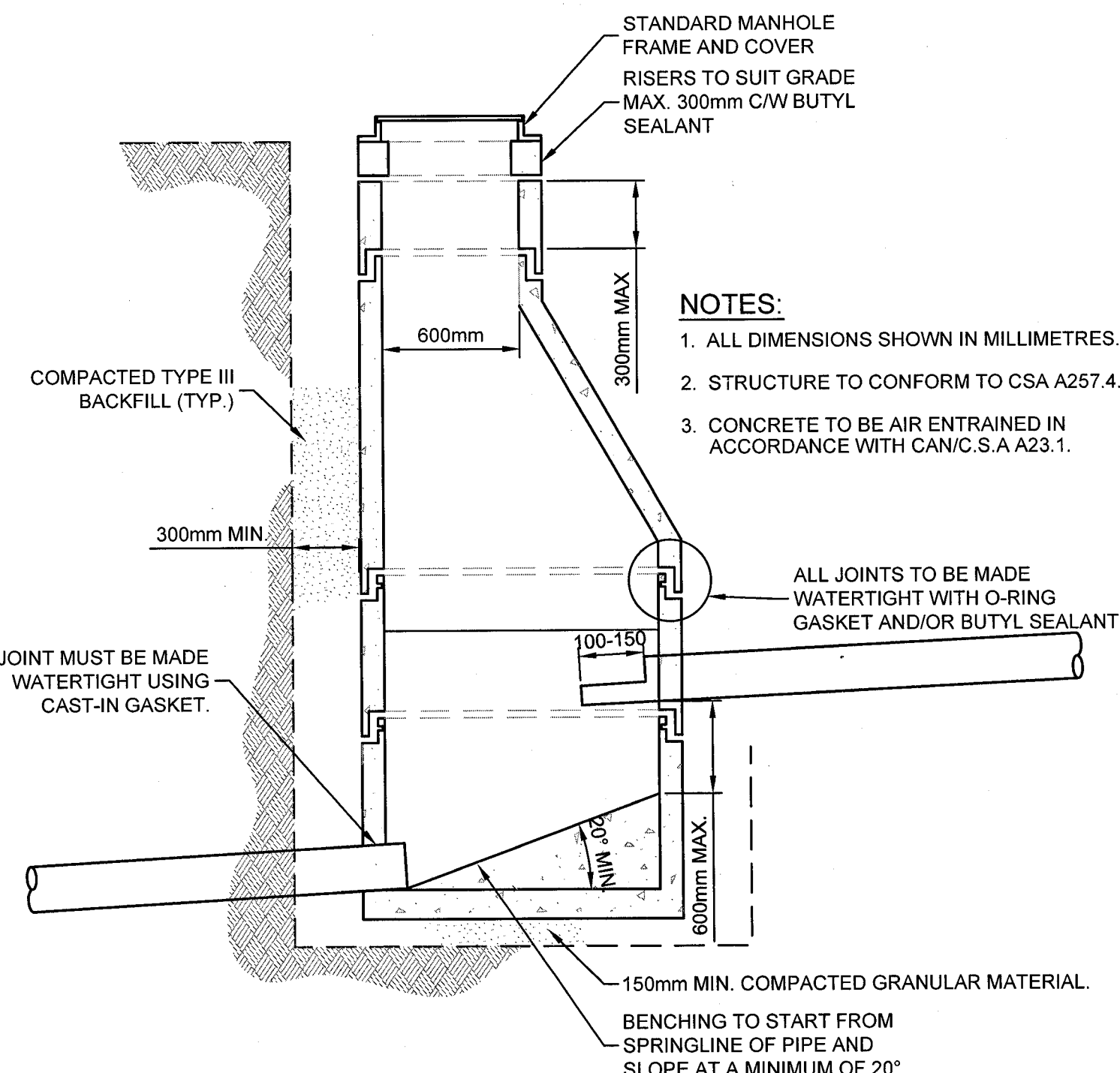
BIKE RACK

SCALE: 1:20



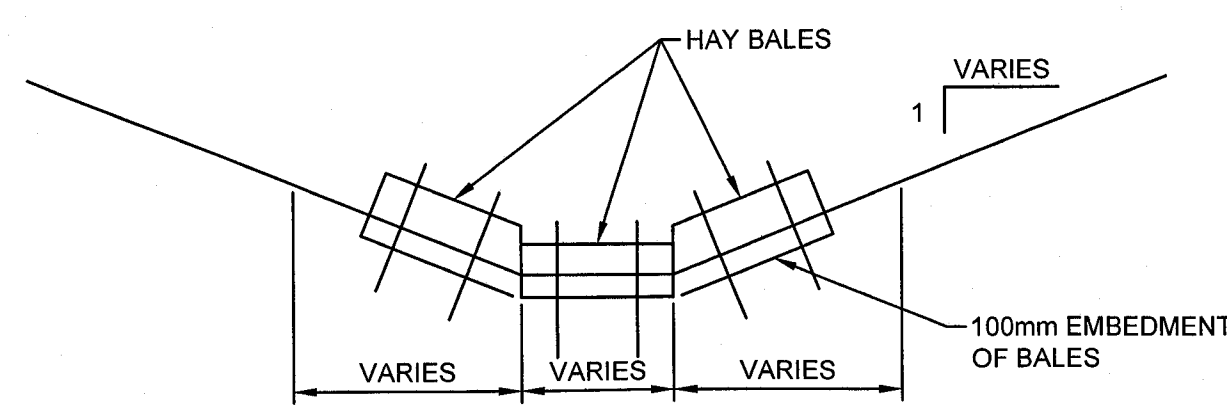
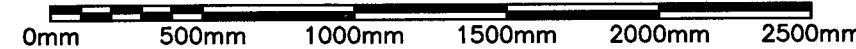
TYPICAL CATCH BASIN MANHOLE DETAIL

SCALE: 1:25



TYPICAL SANITARY MANHOLE DETAIL

SCALE: 1:25



CHECK DAM DETAIL

SCALE: 1:50

