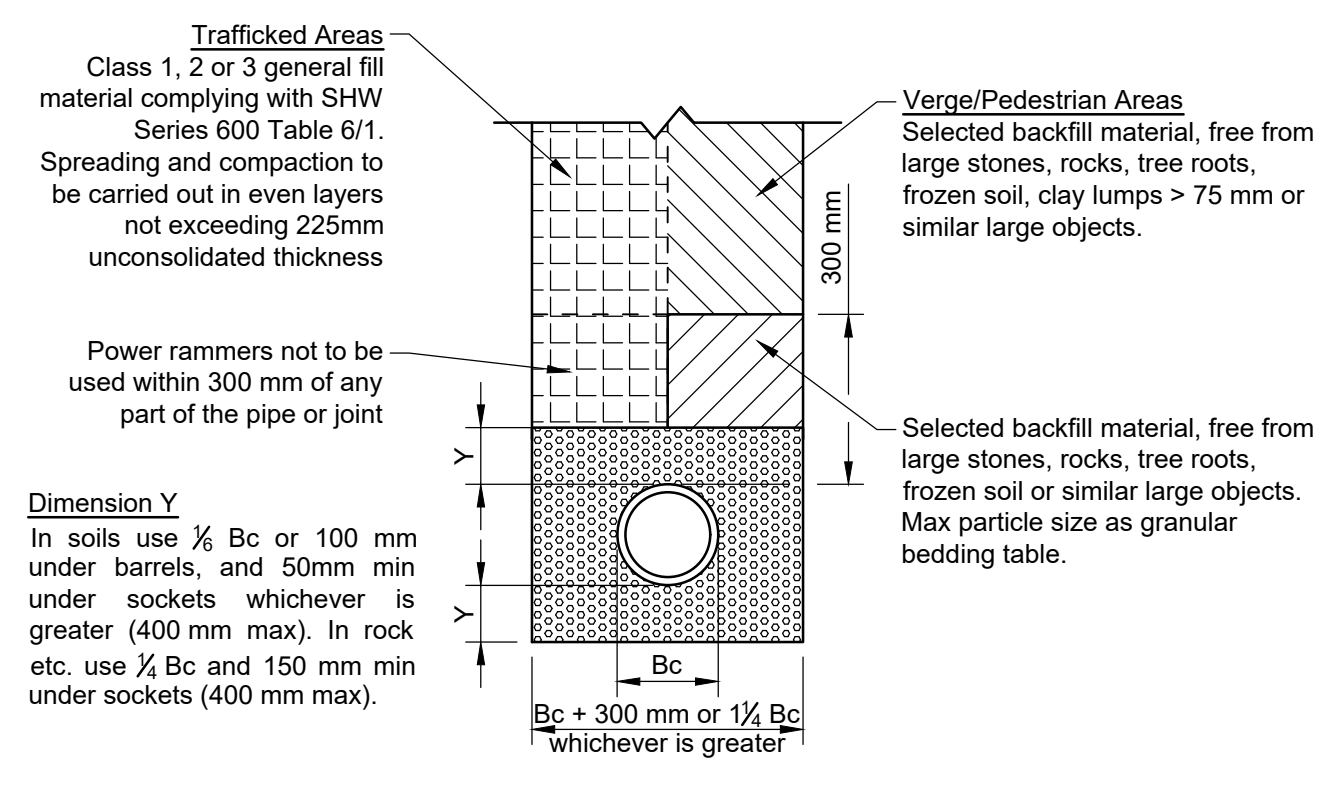
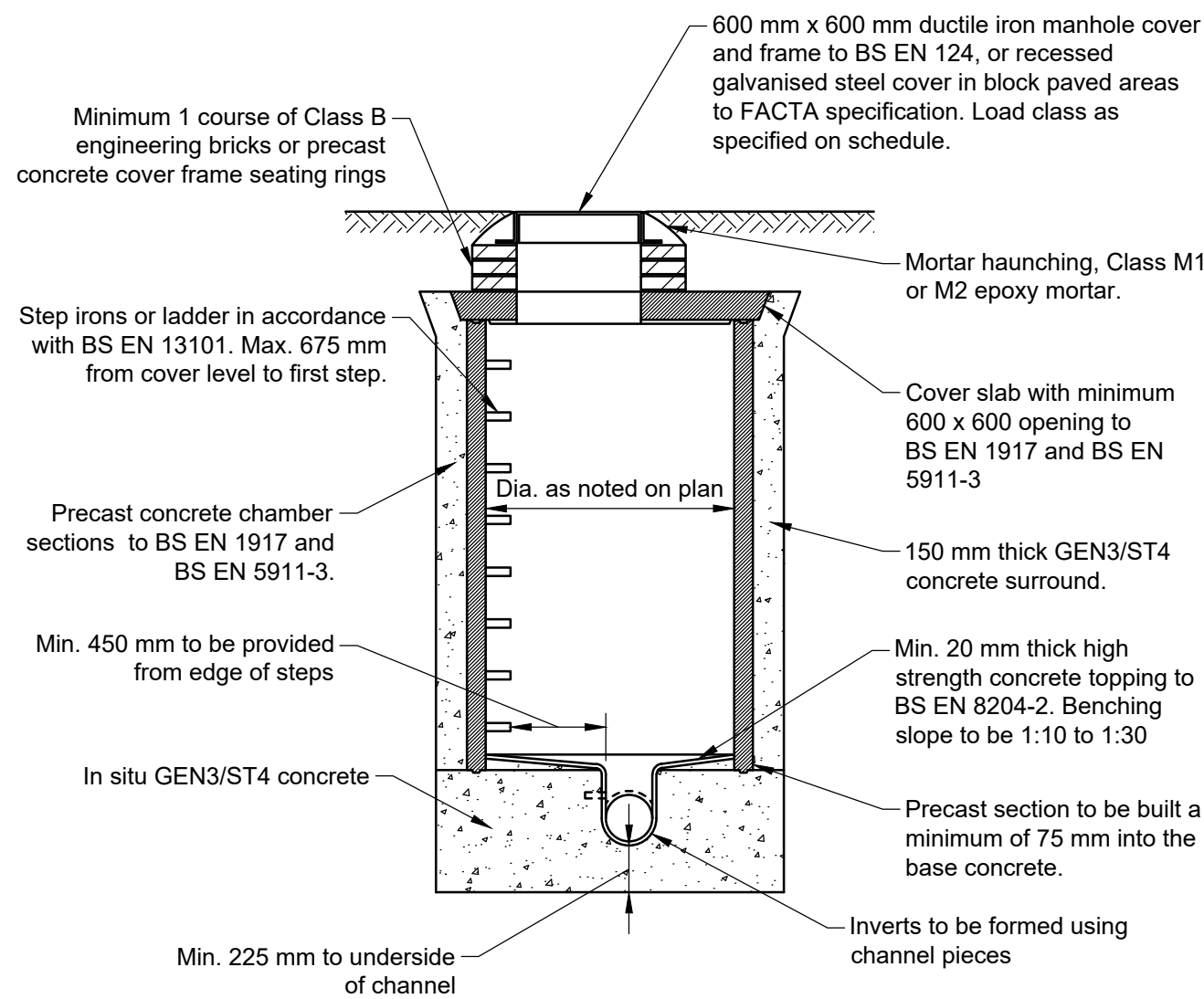




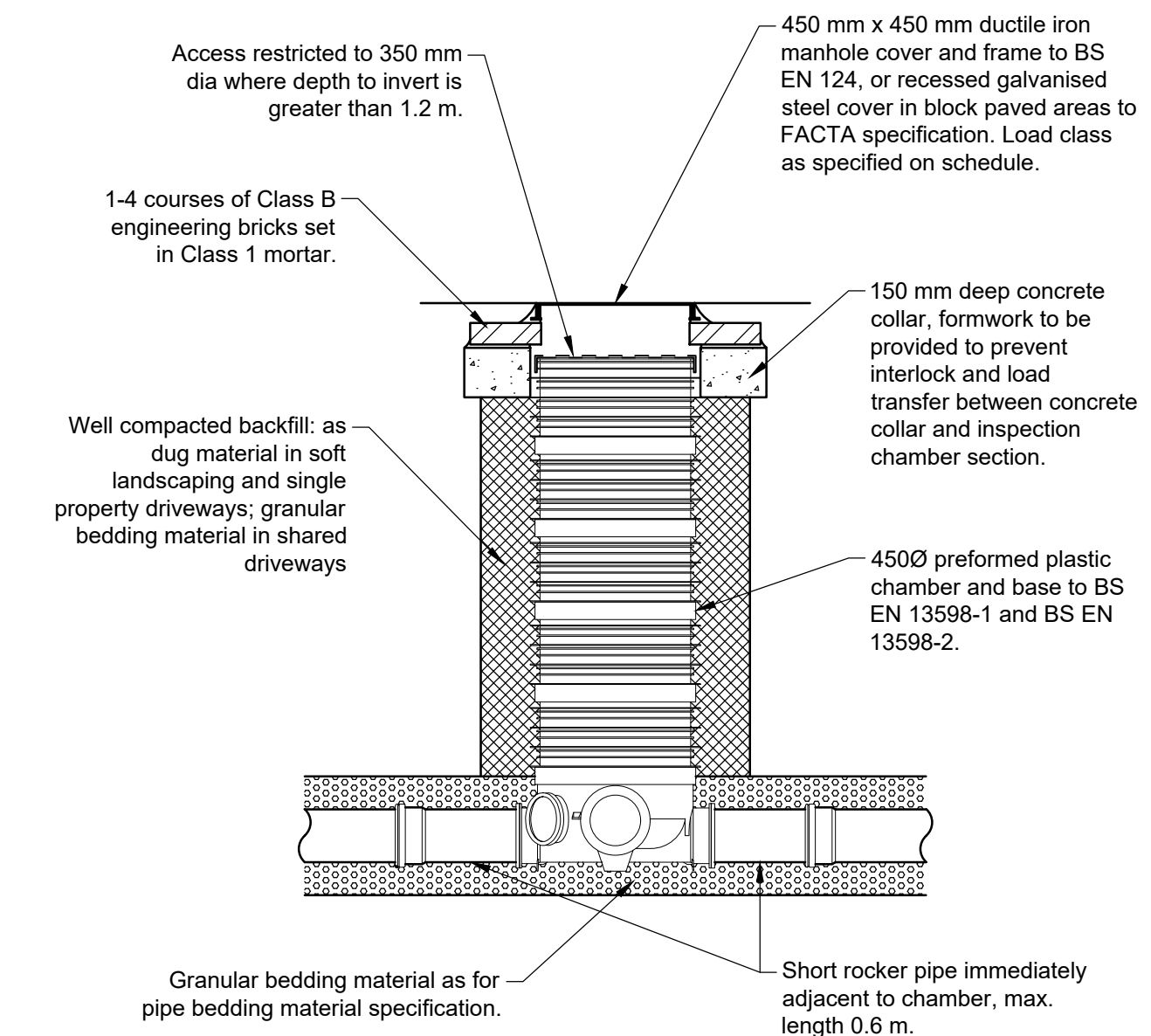
PROCESSED AND AS-DUG GRANULAR BEDDING FOR PIPES		
Pipe nominal size (mm)	Nominal maximum particle size (mm)	Suitable Materials
100	10	10 mm nominal single size
Over 100 to 150	16	10 or 14mm nominal single-size or 14mm to 5mm graded
Over 150 to 300	20	10, 14 or 20mm nominal single-size or 14mm to 5mm graded or 20mm to 5mm graded
Over 300 to 550	20	14 or 20mm nominal single-size or 14 to 5mm graded or 20 to 5mm graded
Over 550	40	14, 20 or 40mm nominal single sized crushed rock or 14mm to 5mm graded or 20mm to 5mm graded or 40mm to 5mm graded

Maximum Compaction Fraction value for all granular bedding: 0.15

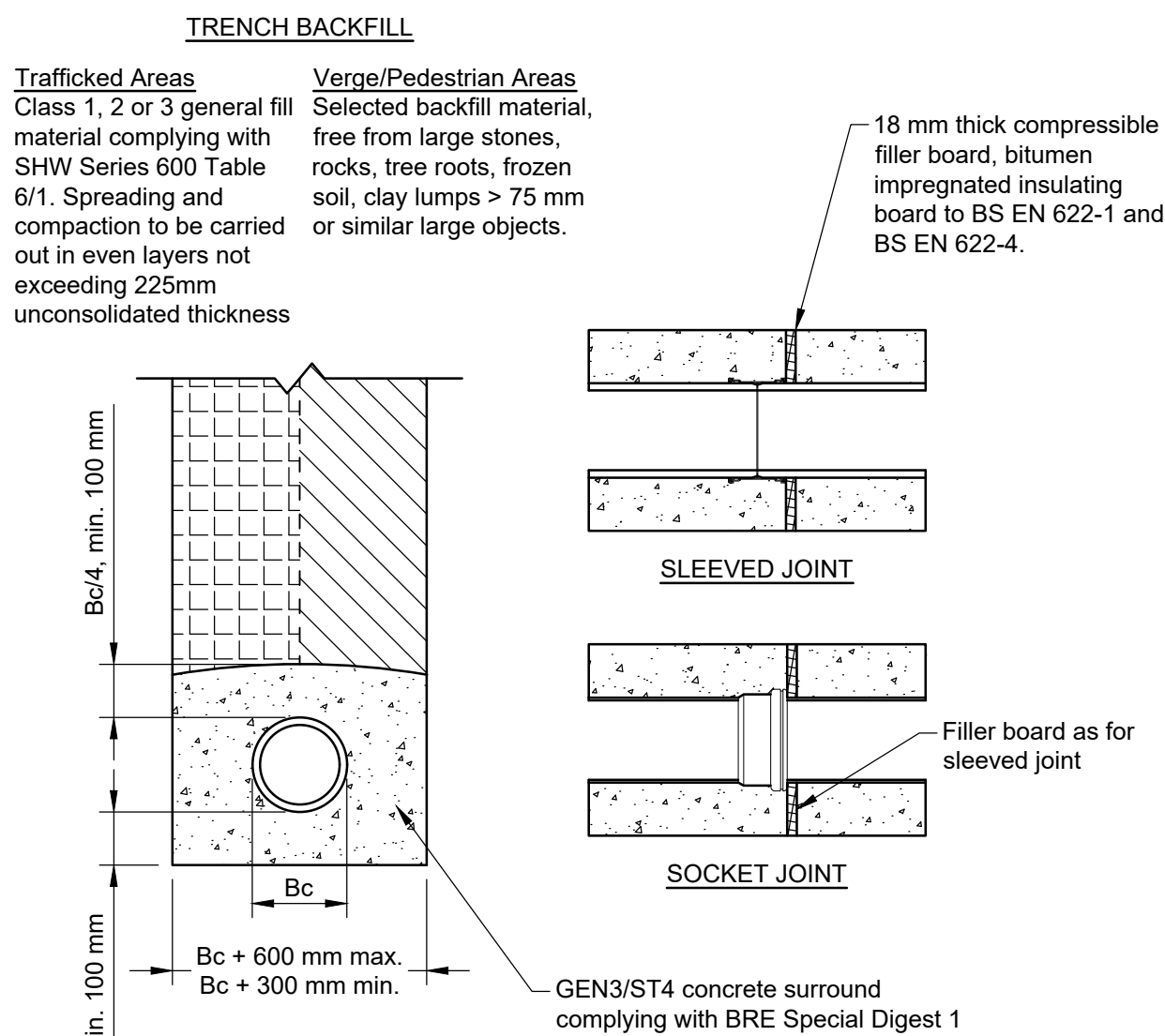
CLASS S BEDDING FOR RIGID AND FLEXIBLE PIPES



PRECAST CONCRETE MANHOLE

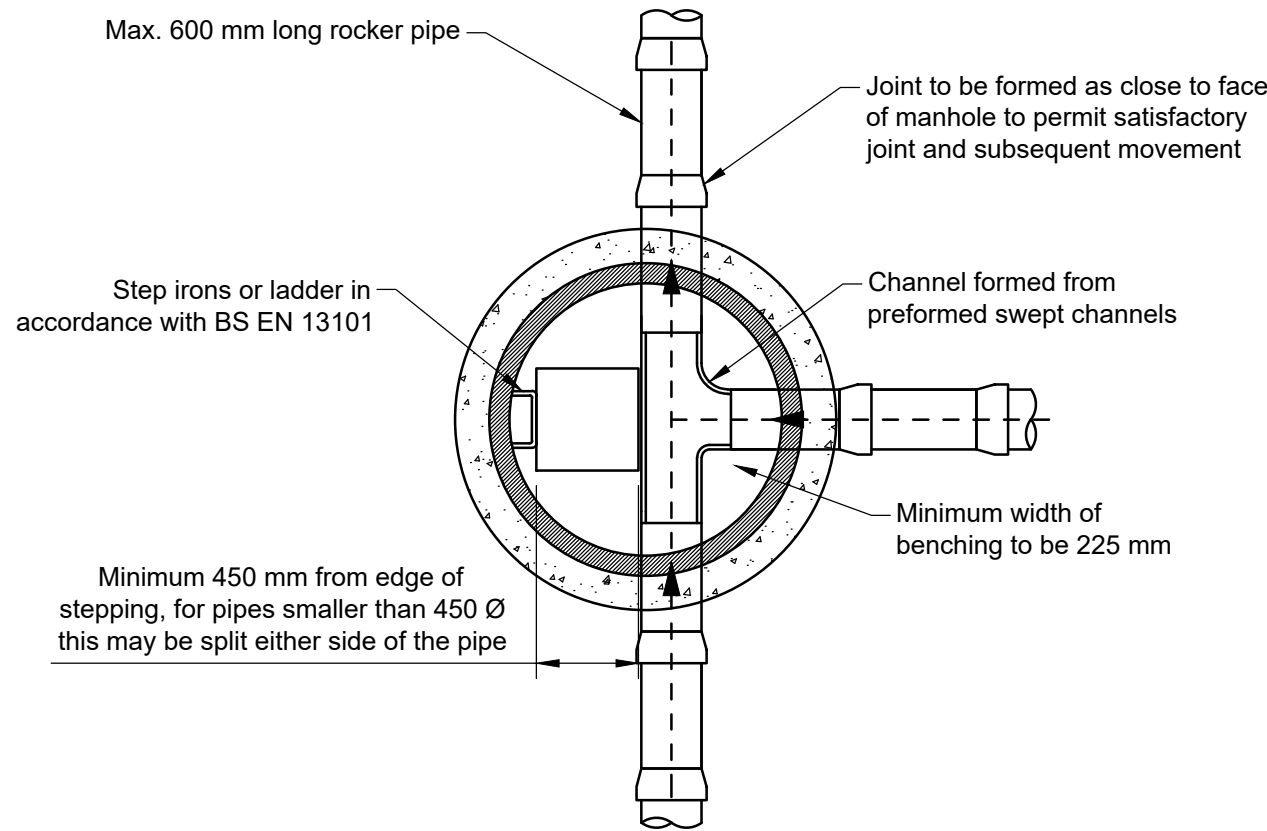


450 Ø INSPECTION CHAMBER

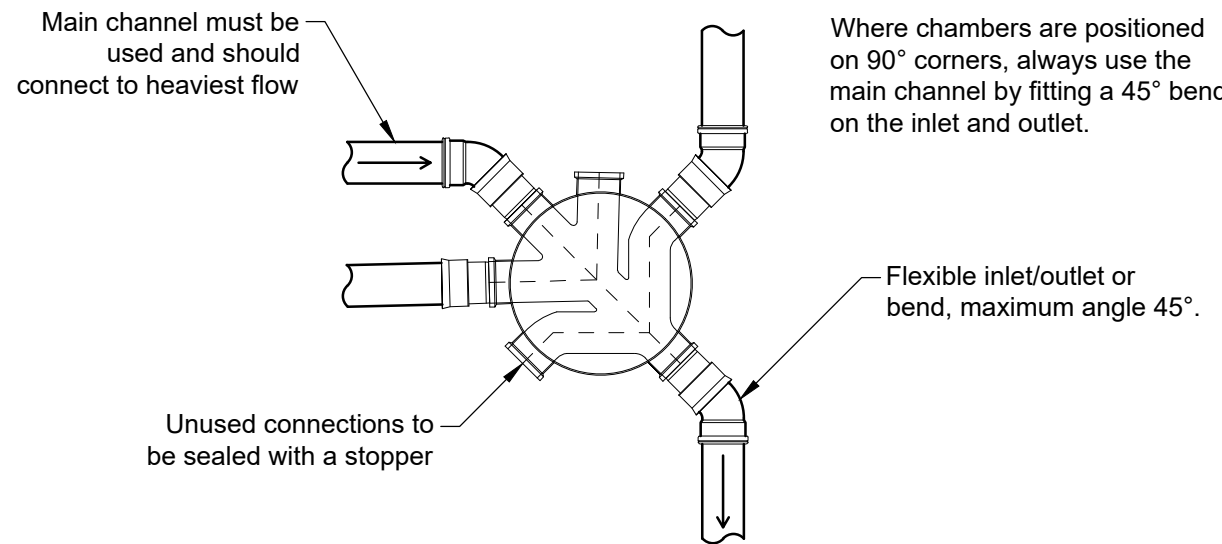


CLASS Z PIPE BEDDING

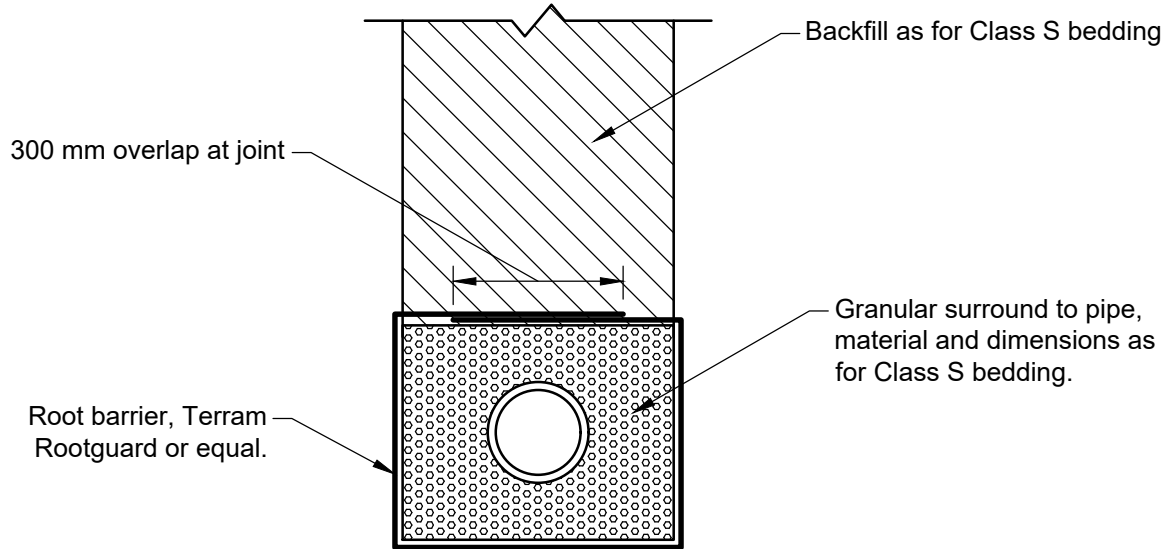
Concrete surround, rigid and flexible pipes



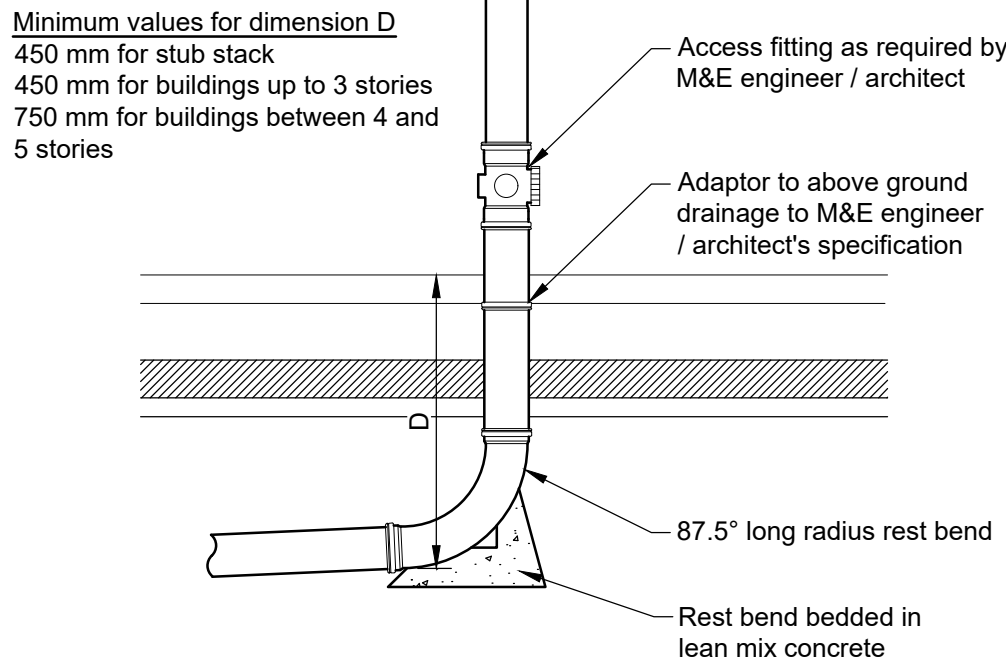
PRECAST CONCRETE MANHOLE TYPICAL BASE ARRANGEMENT



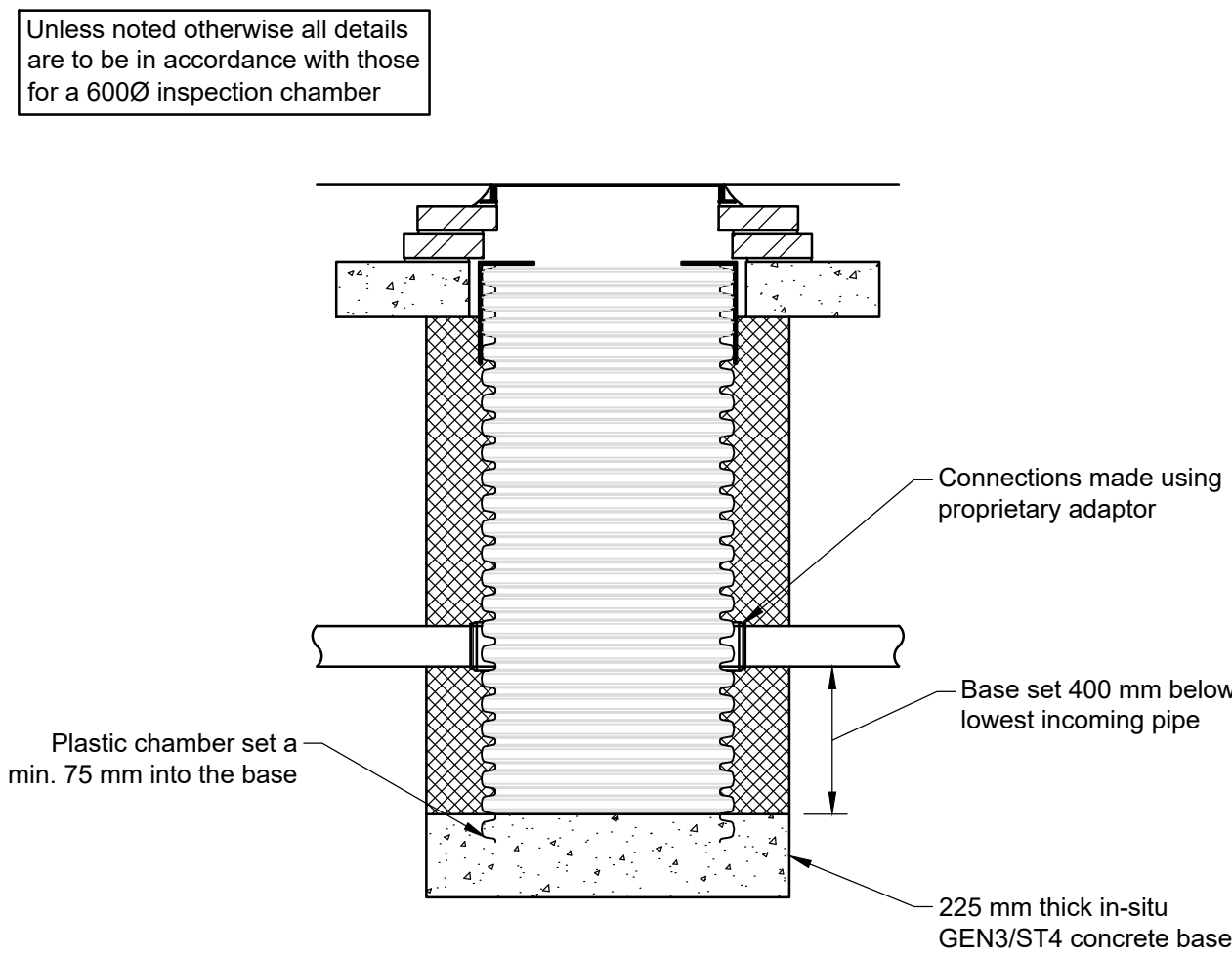
INSPECTION CHAMBER TYPICAL BASE ARRANGEMENT



ROOT PROTECTION BARRIER TO PIPES

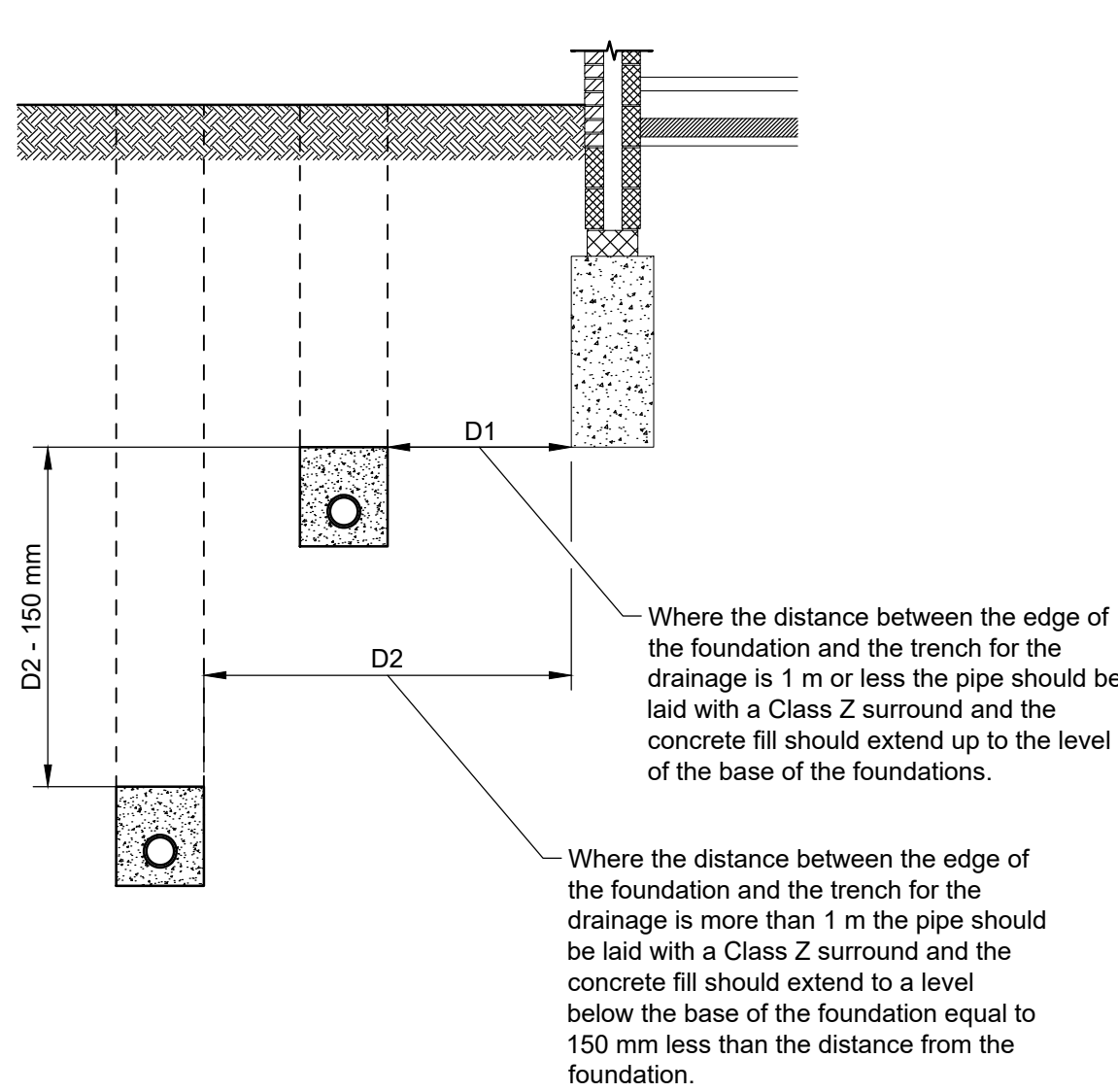


SOIL VENT PIPE OR STUB STACK TO DRAIN



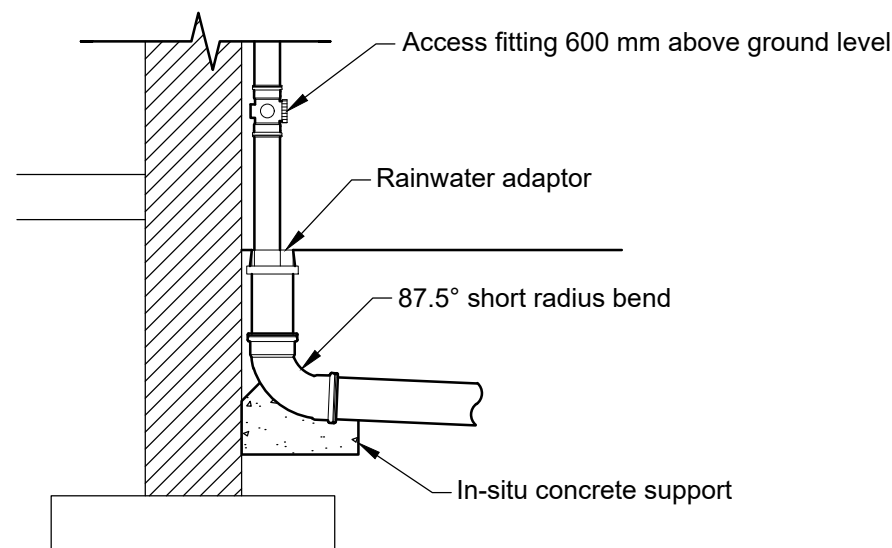
600 Ø CATCHPIT

No more than 2 connections



TRENCH FILL NEAR BUILDINGS

Strip, pad and raft foundations



EXTERNAL RAINWATER PIPE DIRECT TO BELOW GROUND DRAINAGE

DRAINAGE DETAIL NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALIST DRAWINGS AND SPECIFICATIONS
- DO NOT SCALE FROM THIS DRAWING IN EITHER PAPER OR DIGITAL FORM. USE WRITTEN DIMENSIONS ONLY.
- CDM NOTE: ALL PIPEWORK, SILT TRAPS, CATCHPITS, TRAPPED GULLIES, ATTENUATION TANKS AND PUMP CHAMBERS TO BE REGULARLY INSPECTED EVERY THREE MONTHS AND CLEARED OUT ON A REGULAR FREQUENCY FOR THE FIRST NINE MONTHS. AFTER THIS PERIOD THE FREQUENCY CAN BE REDUCED TO EVERY SIX MONTHS. PUMP SETS TO BE INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER/PUMP PROVIDER. POROUS SURFACE TO BE REGULARLY SWEEPED THREE TIMES A YEAR TO REMOVE THE SILT. GREASE TRAPS/INTERCEPTORS ARE TO BE INSTECTED/EMPTIED AT LEAST ONCE A MONTH AND, PREFERABLY, EVERY TWO WEEKS.
- HEALTH AND SAFETY: THE WORKS SHALL BE CARRIED OUT BY SPECIALIST COMPETENT AND EXPERIENCED CONTRACTORS WHO ARE MEMBERS OF A RECOGNISED NATIONAL ORGANISATION OPERATIVES SHALL HAVE RECEIVED FULL AND APPROPRIATE TRAINING FOR THE OPERATIONS THEY ARE TO UNDERTAKE. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH ALL PERTINENT HEALTH AND SAFETY REGULATIONS.
- REFER TO THE MANUFACTURER'S INSTALLATION GUIDANCE FOR ALL SPECIFIED PRODUCTS.