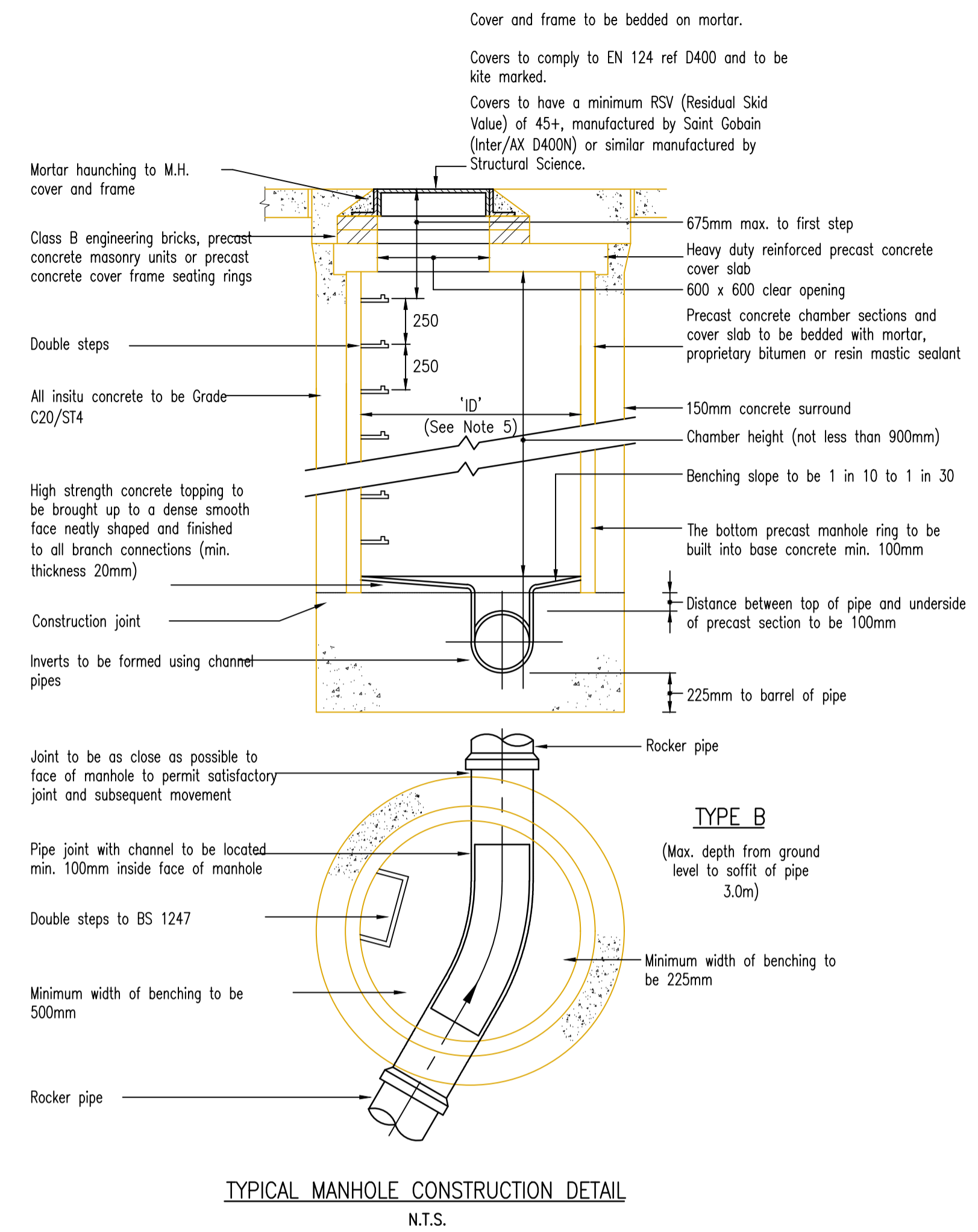
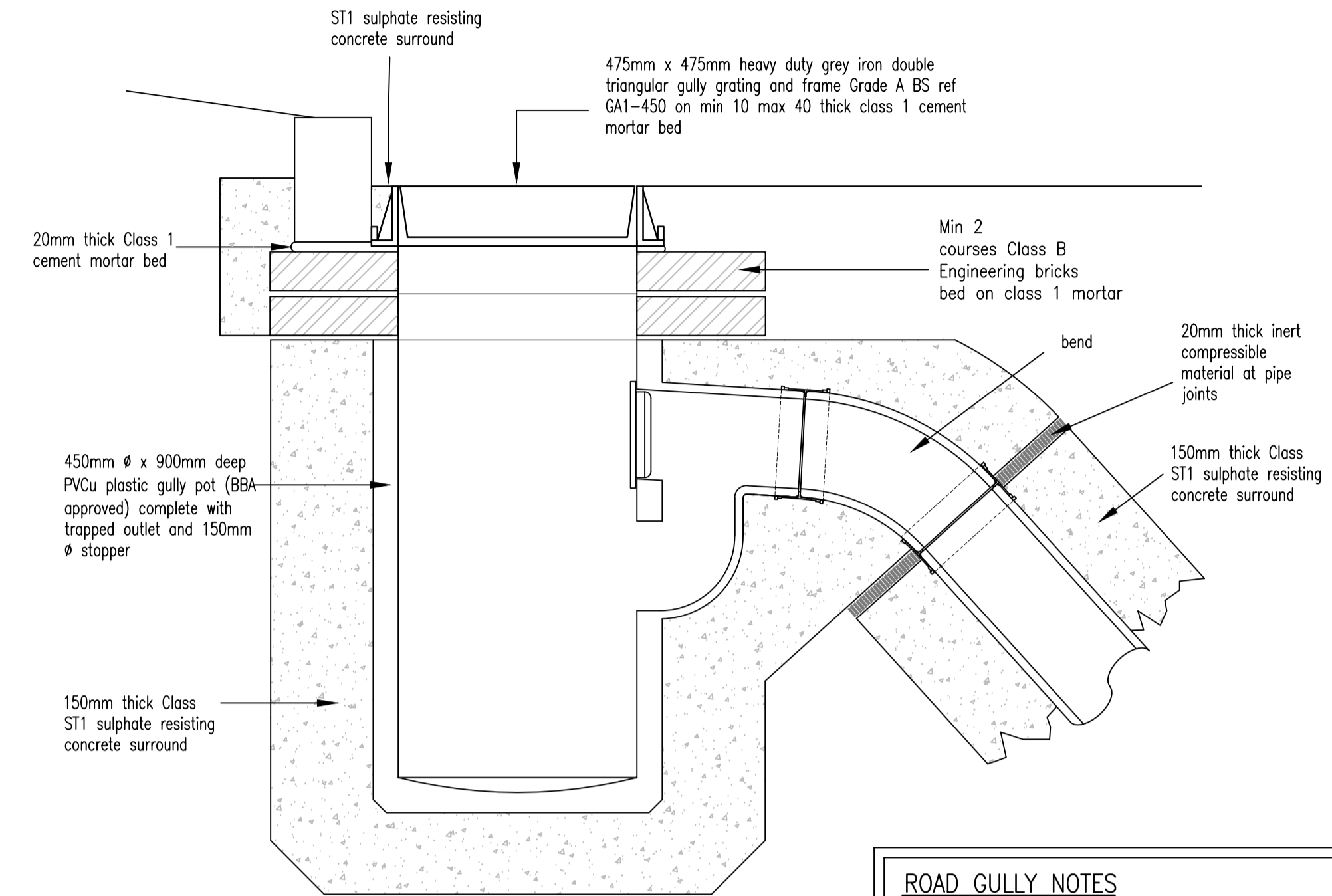


Construction Design and Management (CDM) Key Residual Risks	
Contractors entering the site should gain permission from the relevant land owners and/or principle contractor working on site at the time of entry. Contractors shall be responsible for carrying out their own risk assessments and for liaising with the relevant services companies and authorities. Listed below are Site Specific key risks associated with the project.	
1)	Overhead and underground services
2)	Street Lighting Cables
3)	Working adjacent to water courses and flood plain
4)	Soft ground conditions
5)	Working adjacent to live highways and railway line
6)	Unchartered services
7)	Existing buildings with potential asbestos hazards

Manhole details indicate general arrangement adjacent to manhole covers for concrete paving. See Architects plans for details. For flexible and concrete block paving, paving to continue to outside of frame.



Manholes with outgoing pipes greater than 600mm dia. to be fitted with guard bars, safety chains or other safety devices



**ROAD GULLY NOTES**

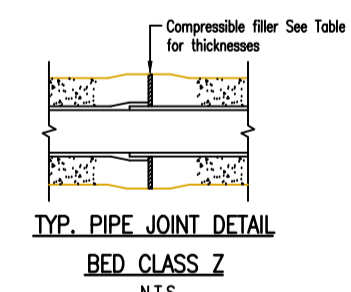
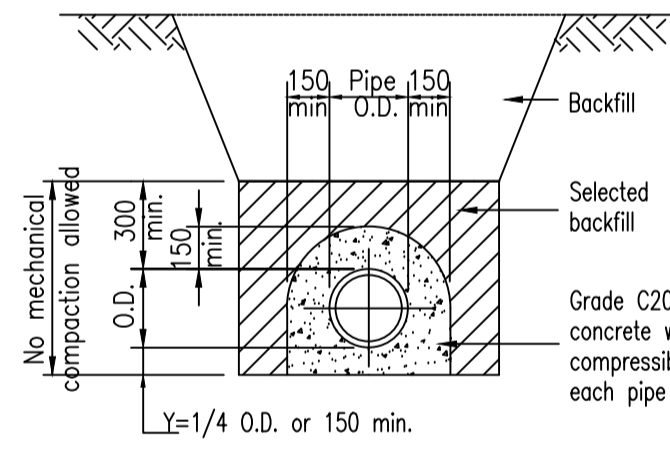
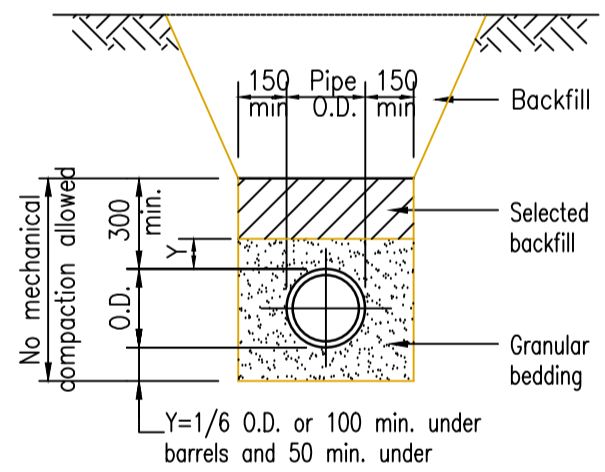
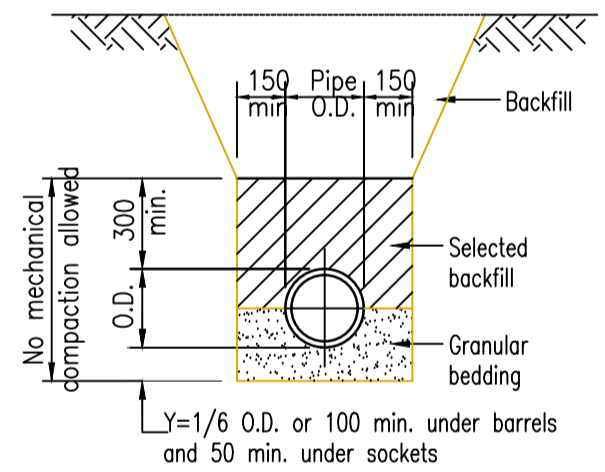
- Gullies to be installed in accordance with manufacturer instructions, BBA approval certificate requirements and DCC highway construction details.
- Gullies to be set on and surrounded by ST1 concrete.
- Provision should be made to prevent the gully pots floating and distorting when concrete surround is placed and compacted.

Gullies to be trapped PVCu plastic (BBA Approved)

**NOTES**

- Do not scale from drawings.
  - All dimensions in millimetres unless otherwise noted.
  - All insitu concrete to be Grade C20/ST4 to BS5328 with sulphate resisting cement unless otherwise noted.
  - Precast concrete chamber sections and cover slabs to BS5911.
  - Chamber Sizes :  
Main pipe dia. (mm)      Chamber dia. (mm)  
Less than 375              1200  
375 - 700                  1500  
750 - 900                  1800
  - All pipes built into the manhole invert to be installed with soffits level.
  - All manhole covers and gully gratings to BS EN 124.
- | Place of installation :     | Class      |
|-----------------------------|------------|
| Footways & pedestrian areas | Class B125 |
| Car parks                   | Class C250 |
| Carriageways of roads       | Class D400 |
| Service areas               | Class D400 |
- Covers in block paving areas to be recessed to accommodate block paving.
- All covers to be permanently marked SWS (or equiv.) on surface water sewers and FWS (or equiv.) on foul sewers.
- Metal shims to be placed beneath manhole cover frames as levelling aid and to remain in place when frame is grouted in position to avoid settlement of covers when trafficked.
  - At connections to existing manholes, existing benching to be broken out and reformed to suit new connections. Concrete/brick surround to be made good to Engineer's instruction.
  - Details for deep manholes - depth from ground level to soffit of pipe greater than 6 metres, to be agreed with drainage authority.
  - All materials and workmanship to be in accordance with the Contract Specification and the Department of Transport Specification for Highway Works and Devon County Councils highway construction directions.

**PIPE BEDDING DETAILS**



NOMINAL BORE OF PIPE (mm)	THICKNESS OF COMPRESSIBLE FILLER (mm)
Less than 450	18
450 - 1200	36
Exceeding 1200	54

**COMPRESSIBLE FILLER THICKNESSES FOR CONCRETE PIPE BEDDINGS**  
(Compressible filler to be bitumen impregnated meeting board to BS 1142 P4.3)

**PIPE BEDDING NOTES**

- All bedding and selected backfill material to be in accordance with the Highways Agency Specification for Highway Works unless otherwise noted.
- Pipe beddings : unless otherwise noted  
For cover to pipe -  
< 600mm      Class Z  
600-900mm    Class S (unpaved areas)  
                          Class Z (paved areas)  
> 900mm      Class B
- Backfill and selected backfill to trenches :  
Paved areas :      Type 1 granular sub-base (to Cl. 803) to underside of pavement construction  
Unpaved areas :    Selected excavated material
- Trench width :  
Pipe Dia. (mm)    Max. Trench Width (m)  
100                    0.450  
150                    0.600  
225                    0.700  
300                    0.800  
375                    1.050  
450                    1.150  
525                    1.200  
600                    1.350  
675                    1.450  
750                    1.500  
900                    1.900

UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE RELEVANT LOCAL AUTHORITIES, IT SHOULD BE UNDERSTOOD THAT ALL DRAWINGS ARE ISSUED AS PRELIMINARY AND NOT FOR CONSTRUCTION. SHOULD THE CONTRACTOR COMMENCE SITE WORK PRIOR TO APPROVAL BEING GIVEN, IT IS ENTIRELY AT HIS OWN RISK.

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**EDNC Consortium**

**EDNC Town Centre Parcel**

**TC4 Access Road**

**Standard Details**

**Sheet 3**

Status	Status Date
Approval	July 2021
Drawn	Checked
SM	MSM
Scale	Number
As shown	10301-150-703
Rev	-

