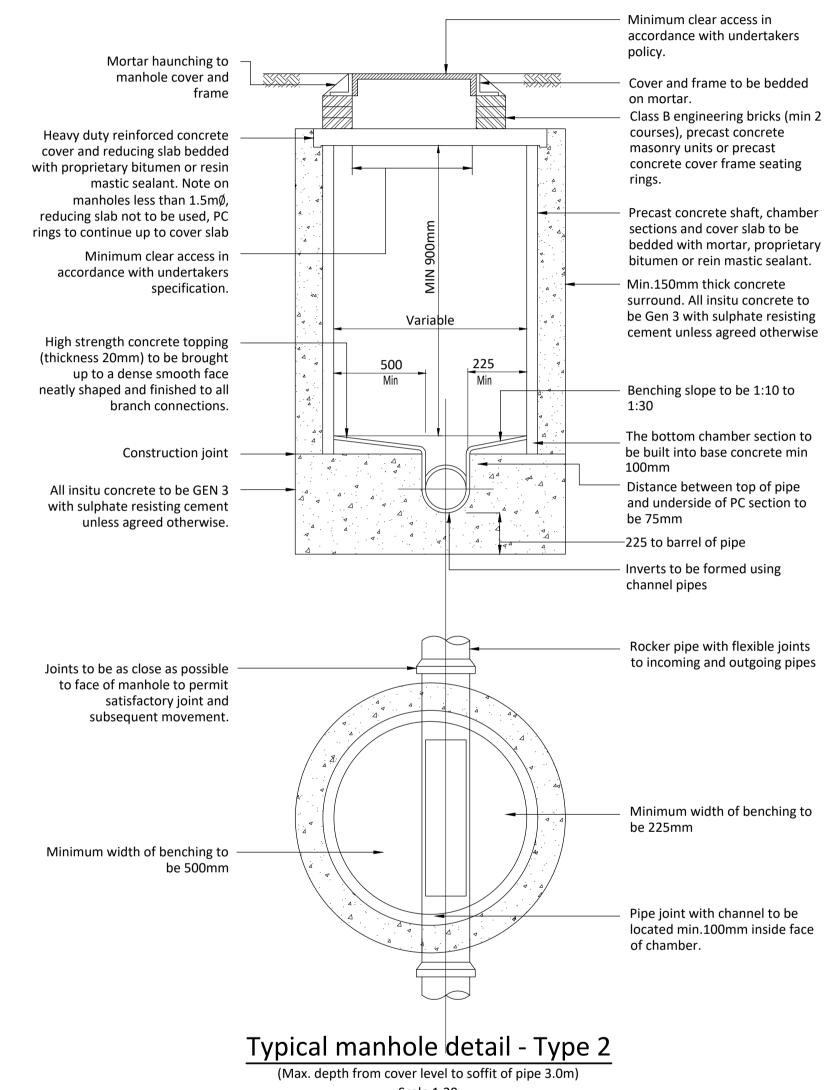
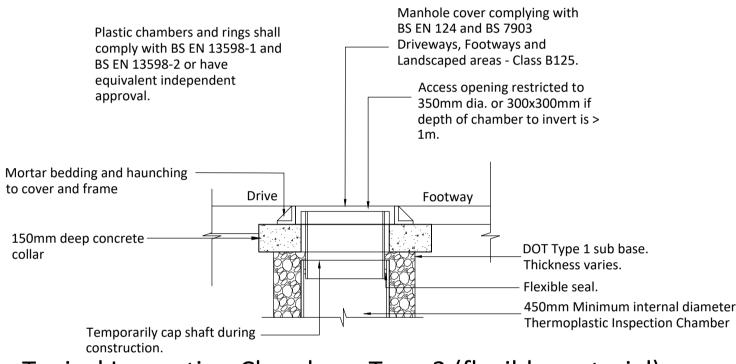
The suitable fill shall be suitable for the location and shall be carefully compacted to provide a stable fill without damaging the pipe. Fill under soft landscaping to be TYPE B material compacted in layers not exceeding 250mm thick. Fill under car parking areas, shared drives and private roads shall be well compacted graded granular material. Fill under adoptable roads may need to be type 1 granular sub-base material



Alternative construction to have no concrete surround but to have thicker PC chamber walls

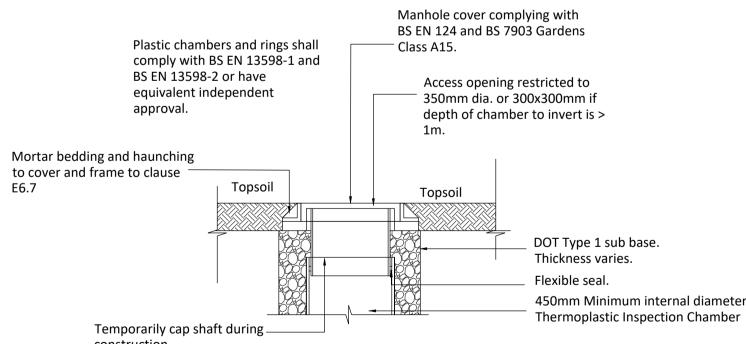
Plastic chambers and rings shall 600mm x 600mm Clear opening. comply with BS EN 13598-1 and Manhole cover complying with BS EN 13598-2 or have BS EN 124 Loading highways equivalent independent Class D400. approval. Access opening restricted to 350mm dia. or 300x300mm if depth of chamber to invert is > Mortar bedding and haunching Minimum 2 courses of Class B to cover and frame **Engineering bricks or Precast** Concrete cover frame seating Carriageway construction DOT Type 1 sub base. Precast concrete slab or Thickness varies. in-situ slab to support cover and frame. – Flexible seal. 450mm Minimum internal diameter Thermoplastic Inspection Chamber DOT Type 1 Sub base. Temporarily cap shaft during (thickness varies or concrete construction. surround). Joints between base and shaft components to be Granular bedding fitted with watertight seals. material Easy bend if required Joint to be as close as possible to face of chamber to permit satisfactory joint - Invert of connecting pipe at⊲ and subsequent movement least 50mm above that of the main pipe. Base unit to have all connections with soffit levels Note: Where the access set no lower than that of the chamber is in the highway the Highway Authority can have specific requirements Typical Inspection Chamber - Type 3 (flexible material)

# Maximum depth from cover to soffit of pipe in areas subject to vehicle loading 3.0m, non-entry.



## Typical Inspection Chamber - Type 3 (flexible material) Alternative top details

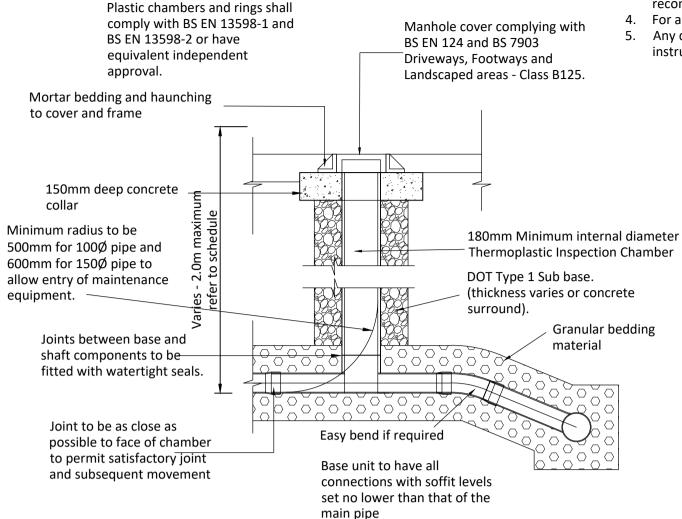
sited in domestic driveways or footways.



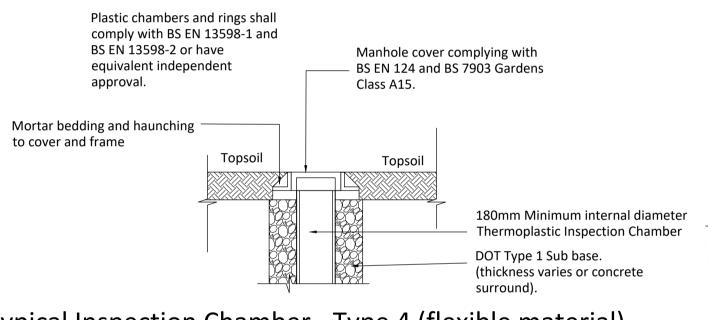
Typical Inspection Chamber - Type 3 (flexible material) Alternative top details sited in domestic gardens.

(Y = X + 300)150mm minimum gen 3 concrete surround divided with 25mm thick compressible board Suitable backfill Suitable at each join. Protect pipe from ingress of Min 300mm bearing backfill concrete by wrapping joint with polythene A393 mesh placed 150mm thick Gen 3 on existing ground sheet and adhesive tape at the bottom concrete slab min 40mm cover 50mm compressible material Side elevation Pipes laid at shallow depths

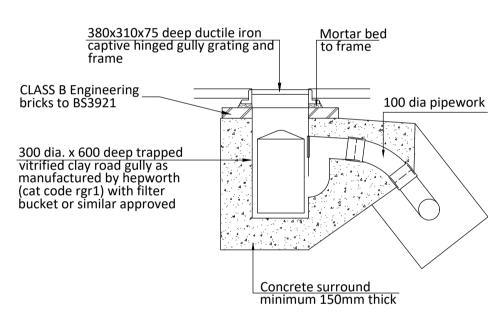
- 1. This drawing is to be read in conjunction with all other relevant subcontractor's details, in addition to all relevant architect's and m&e engineer's drawings and specifications.
- 2. This drawing is not to be scaled. All work must be based on figured dimensions only. All dimensions are in millimetres, unless noted otherwise. All levels are in metres, unless noted otherwise.the
- contractor is to verify all dimensions on site prior to starting works. 3. All building materials, components and workmanship to comply with the appropriate public health acts, building regulations, british standards and codes of practice and the appropriate manufacturer's recommendations.
- 4. For all specialist work see relevant drawings.
- Any discrepancies, errors or omissions to be reported to the project co-ordinator for further instructions before commencement of works.



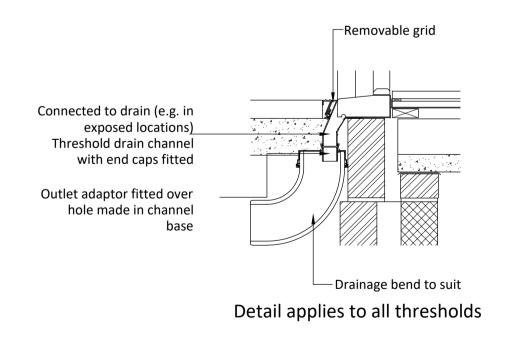
### Typical Inspection Chamber - Type 4 (flexible material) Maximum depth from cover to soffit of pipe in driveways/paved areas 2.0m, non-entry.



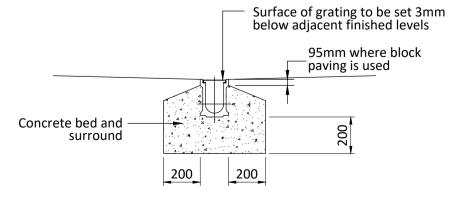
Typical Inspection Chamber - Type 4 (flexible material) Alternative top details sited in domestic gardens.



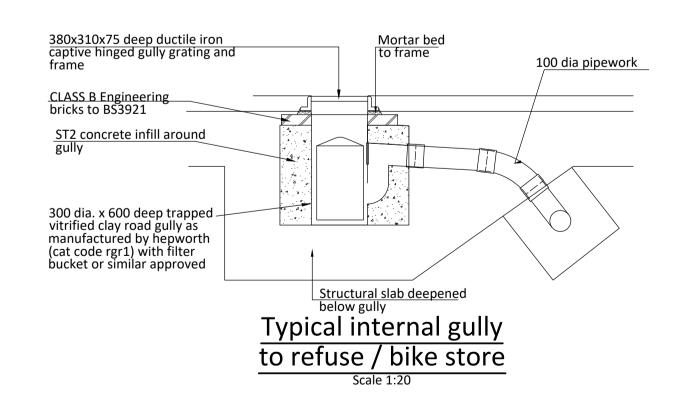
Typical yard gully



## Typical threshold drain detail



Typical channel drain external Scale 1-20





Cross section Side elevation

Type z bedding (concrete encase pipes) protection for pipes laid at shallow depths (>0.6m) Client Rydon Ashton Court, Camden Park Road, Camden NW1 9HE Drainage Details 2 of 3 Checked By Project No: Drawing No: Revision 01/02/17 SGS CJM K160428 C(0)1111 -St John's House 1a Knoll Rise Orpington Kent BR6 0JX 01689 888222 orpington@calfordseaden.co.uk calfordseaden.co.uk ORPINGTON | LONDON | BIRMINGHAM | SOUTHEND-ON-SEA | WINCHESTER