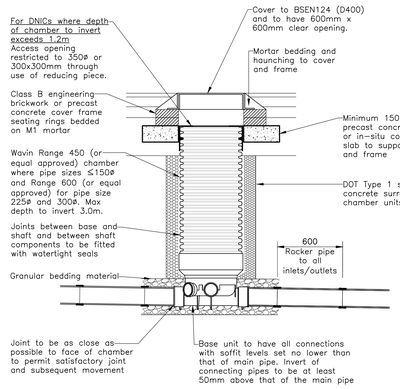
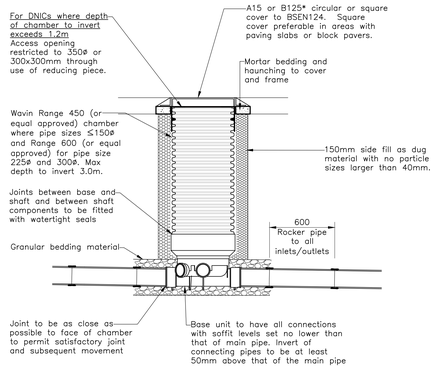


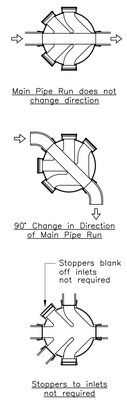

## PPIC/DNIC Detail – Vehicular Loading

Carriageway
Max. depth 3m

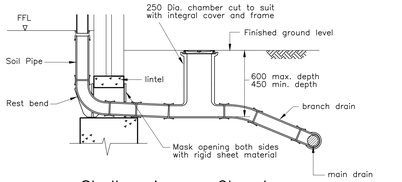



## PPIC/DNIC Detail – Non-vehicular Loading

Soft Landscaping/Pedestrian Areas
Max. depth 3m

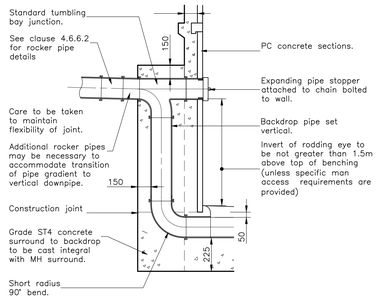



## Pipe Arrangements for PPIC & DNIC

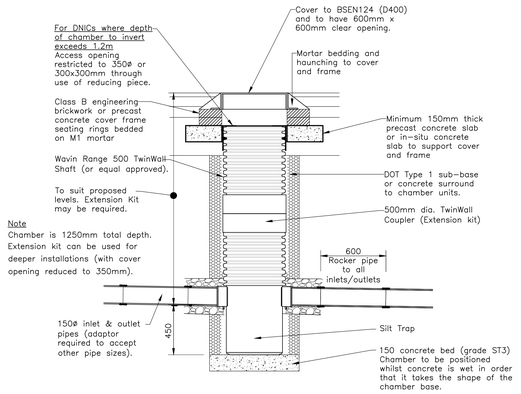



## Shallow Access Chamber

Suitable for areas subject to no traffic

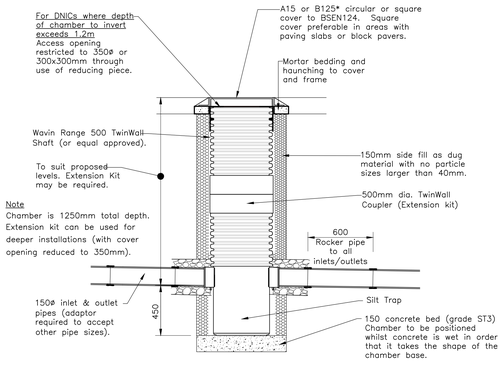



## Typical Vertical Backdrop Detail.



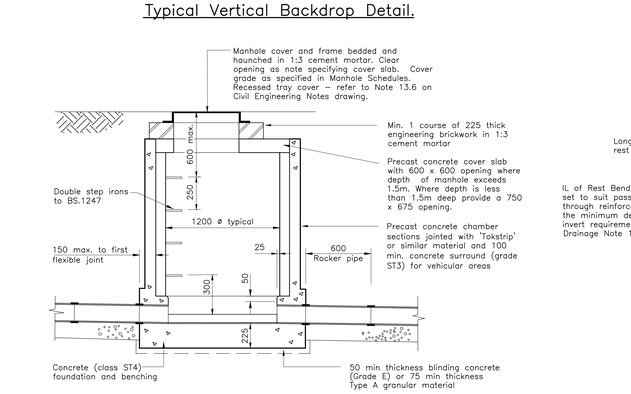

## PPIC/DNIC Catchpit – Vehicular Loading

Standard chamber has 2No. preformed holes (to accept 100ø or 150ø pipe) at 180° separation. Any additional inlets / outlets to be formed on site with appropriate fixings obtained from manufacturer.

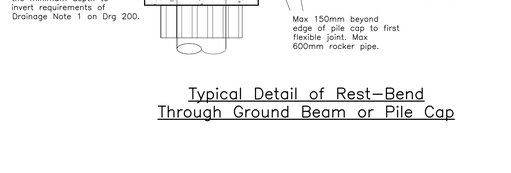



## PPIC/DNIC Catchpit – Non-vehicular Loading

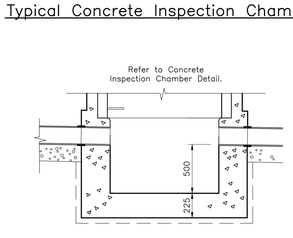
Standard chamber has 2No. preformed holes (to accept 100ø or 150ø pipe) at 180° separation. Any additional inlets / outlets to be formed on site with appropriate fixings obtained from manufacturer.



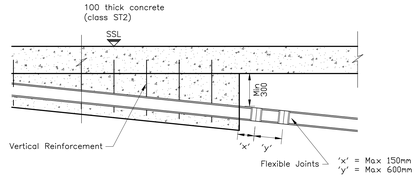

## Typical Concrete Inspection Chamber




## Typical Detail of Rest-Bend Through Ground Beam or Pile Cap

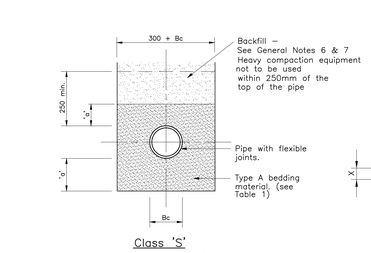



## Typical Catchpit Detail



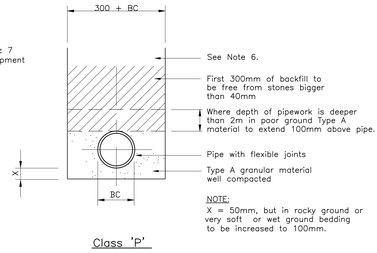

## Below Ground Under Slab Surround Detail

(See note 8.)



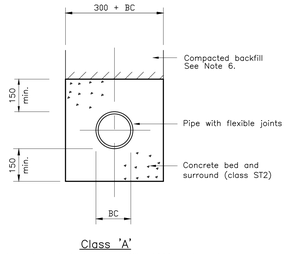

### Class 'S'

Use beneath adoptable highway areas where depth to pipe soffit is >1200mm and other trafficked areas where depth to pipe soffit is > 900mm




### Class 'P'

Use beneath non-trafficable areas only where depth to pipe soffit is > 600mm




### Class 'A'

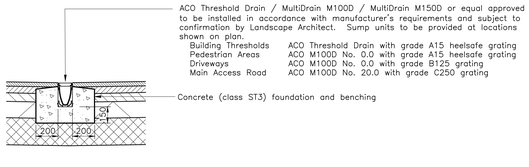
Use where depth to pipe soffit <1200mm beneath adoptable highway, < 900 beneath private trafficked areas & <600mm beneath other areas

## Pipe Laid With Granular Surround

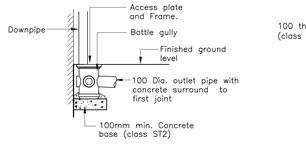
## Pipe Laid On Granular Bedding

## Pipe Laid With Concrete Surround

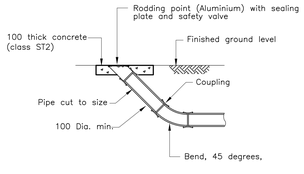
Flexible joints (Fibrebourd or polystyrene) 16mm thick, are to be provided at each joint formed in the concrete bed & surround over its full width.



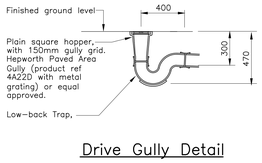

## Drainage Channel Detail




## Rainwater Pipe Detail

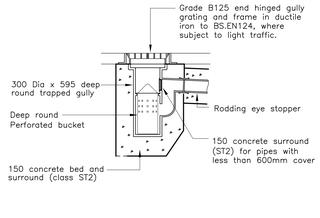



## Rodding Eye Detail




## Drive Gully Detail

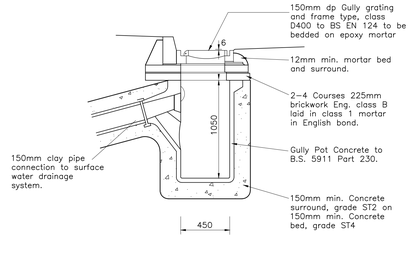
Pedestrian areas and individual driveways only.




## Yard Gully

To be used in communal carparks.

For gullies to main access road use Road Gully Detail.




## Road Gully

For main accss road

For gullies to pedestrian areas and individual driveways use Drive Gully Detail.

## General Notes

1. For Notes refer to drawing no. 15084-TUL-XX-ZZ-DR-C-91001.

### Pipe Bedding & Sidefill Materials.

Type A bedding material shall be aggregates comforming to BS 882, or BS EN 12620, nominal single-size or graded complying with the recommendations of Wis No. 4-08-01 as follows :-
TABLE 1 :

| Pipe dia. (Minimum) | Single-size. | Graded. |
|---|---|---|
| Over 100 to 150 | 10mm nominal single-size. | |
| Over 150 to 500 | 10 or 14mm nominal single-sized. | 14mm to 5mm graded |
| Over 500 | 10,14 or 20mm nominal single-sized. | 14 or 5mm graded or 20mm to 5mm graded. |

Type B material shall be selected excavated or imported material consisting of uniform, readily compactible material, free from vegetable matter, building rubbish and frozen material, or materials susceptible to spontaneous combustion, and excluding clay of liquid limit greater than 80 and/or plastic limit greater than 55 and materials of excessive high moisture content. Clay lumps and stones retained on 75mm and 37.5mm sieves respectively shall be excluded from the fill material.

### Pipes Laid with a Concrete Bedding Surround

Class A concrete surround to be minimum cube strength at 28 days of 20N/mm² for non-aggressive soils. For aggressive soil conditions the concrete mix shall be in accordance with the requirements of BRE Digest 250, or BRE paper no. 97/75 as appropriate.
The backfill, other than the first 150mm of cover, should not be placed before the compressive strength of the site concrete has reached 14N/mm² . The concrete mix should be so designed that this is reached without unnecessary delay.
A compressible filler shall be placed throughout the concrete surround at all pipe joints.
This shall consist of bitumen impregnated insulating board to B.S EN 322, or other equally compressible material. The thickness of compressible filler shall be as follows :-

| Nominal diameter of pipe (mm) | Thickness of Compressible filler (mm) |
|---|---|
| Less than 450 | 18 |
| 450 – 1200 | 36 |
| Exceeding 1200 | 54 |

Compressible packing for use between pipes and precast concrete setting blocks shall consist of bitumen dammp-proof sheeting complying with B.S 743.

### Dimension 'x'

In machine dug uniform soils :-
a = For sleeve jointed pipes, a minimum of 50mm or 1/6Bc, whichever is the greater, for socketted pipes a minimum of 100mm or 1/6Bc, whichever is the greater under barrels but not less than 50mm under

In rock or mixed soils containing rock bonds, boulders, large flints or stones or other irregular hard spots these

### Pipe Materials for Private Drainage

Clay, plastic or concrete as appropriate for pipe diameter, i.e.

100ø, 150ø or 225ø – Plastic or clay

300ø – Clay or concrete

375ø or larger – Concrete

| Rev | Date | Description | By | Ckd |
|---|---|---|---|---|
| A | 19.04.24 | First Issue. | PAJT | - |

PRELIMINARY

SUITABILITY CODE: S3

CLIENT: Earlswood Homes

Tullys
www.tullys.uk info@tullys.uk 01342 828000

PROJECT: Little Winton, Keymer Road, Burgess Hill

DRAWING TITLE: Private Drainage Details Sheet 1

| Originator No. | Scale | Revision |
|---|---|---|
| | 1:20@A0 | A |

PROJECT - ORIGINATOR - VOLUME - LEVEL - TYPE - ROLE - NUMBER
15084-TUL-XX-XX-DR-C-66001