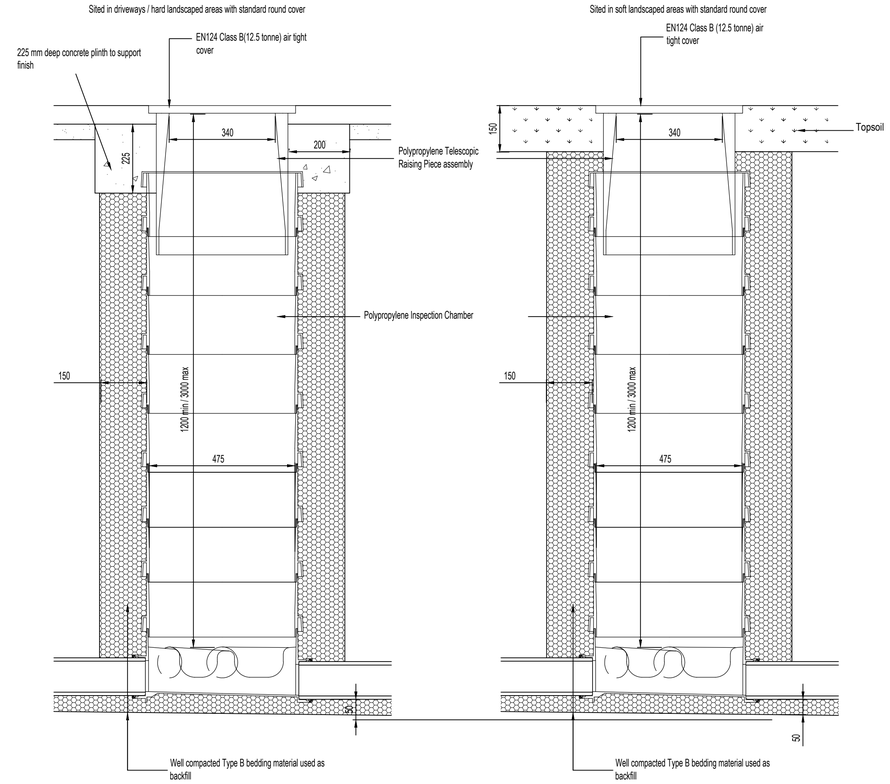
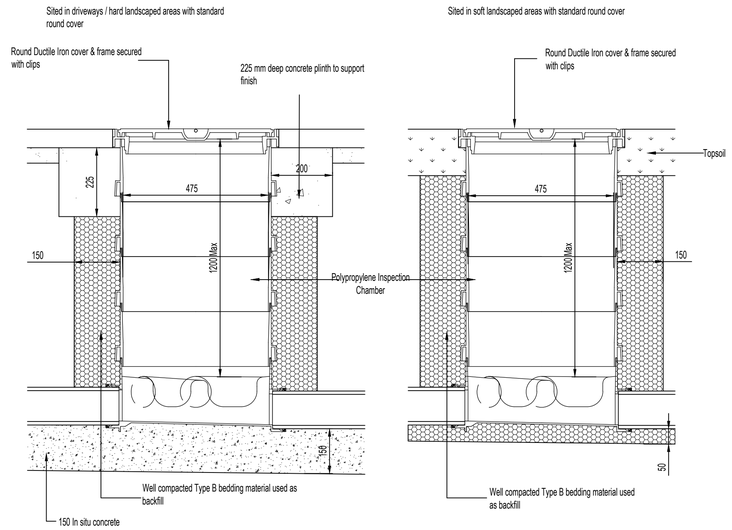
INFORMATION WITHIN THIS DRAWING IS NOT NECESSARILY PRODUCED TO SCALE.
ALWAYS USE FIGURED DIMENSIONS AND CO-ORDINATES - IF IN DOUBT, ASK.




## REDUCED ACCESS TELESCOPIC PP INSPECTION CHAMBER >1.2M

SCALE 1:10




## SHALLOW INSPECTION CHAMBER

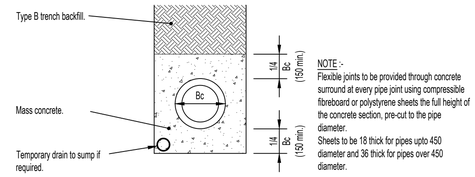
SCALE 1:10

## PIPE BED AND SURROUND DIMENSIONS

Bc = Outside Diameter of Pipe

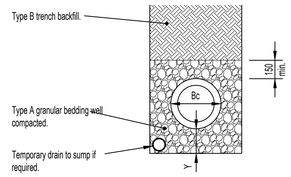
IN UNIFORM SOILS
DIMENSION Y = 150 or 1/6Bc (whichever is the greater) under barrels and not less than 100 under sockets.

IN ROCK OR MATERIAL CONTAINING HARD SPOTS
DIMENSION Y = 200 or 1/4Bc (whichever is the greater) under barrels and not less than 200 under sockets.




NOTE :-
Flexible joints to be provided through concrete surround at every pipe joint using compressible fibreboard or polystyrene sheets the full height of the concrete section, pre-cut to the pipe diameter.
Sheets to be 18 thick for pipes upto 450 diameter and 36 thick for pipes over 450 diameter.

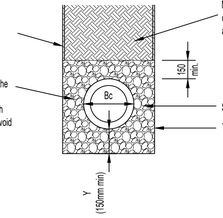
CLASS Z BED AND SURROUND



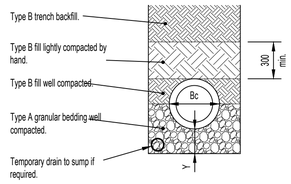

CLASS S BED AND SURROUND

Trench box/sheeting to terminate 150mm above crown of pipe to prevent displacement of granular sidefill. Boxes/sheeting to be removed progressively during placement of main backfill.

Sidefill material to be placed evenly on both sides of the pipe taking care to work the material under the lower quadrant of the pipe ensuring the pipe is not lifted. Both sides of the trench should be filled simultaneously to avoid horizontal movement of the pipe.




CLASS S BED AND SURROUND PVC PIPES




CLASS B BED AND SURROUND

## TYPICAL PIPE BED AND SURROUND DETAILS

SCALE 1:25

## TYPE A GRANULAR MATERIAL

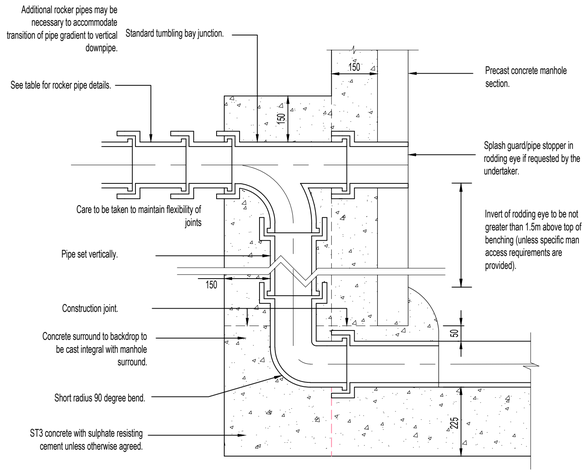
All granular material to be single sized or graded in accordance with the following table :-

| NOMINAL PIPE BORE | SIZE | |
|---|---|---|
| | SINGLE SIZE | GRADED |
| 100-125 | 10 | - |
| 150-200 | 10 or 14 | 14 to 5 |
| 225-300 | 10,14 or 20 | 14 to 5 or 20 to 5 |
| 375-500 | 14 or 20 | 14 to 5 or 20 to 5 |
| Over 500 | 14,20 or 40 | 14 to 5, 20 to 5 or 40 to 5 |

## TYPE B MATERIAL

In Public Highways and other hardstanding areas as may be noted on the scheme drawings, the material referred to as Type B is to be D.O.T Type 1 granular material to Clause 803 of the Specification For Highway Works, subject to the approval of the adopting Highway Authority.

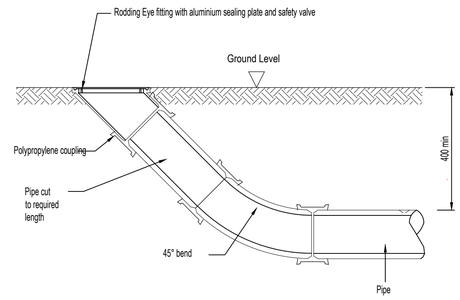
Elsewhere, Type B selected material, whether imported or locally excavated, shall consist of uniform, readily compactable material, free from vegetable matter, building rubbish, frozen material and material susceptable to spontaneous combustion. Clay with a Liquid Limit greater than 80 and/or a Plastic Limit greater than 55 is to be excluded. Clay lumps and stones retained on 75 and 37 sieves respectively and all material with an excessively high moisture content to be excluded.




## TYPICAL VERTICAL BACKDROP

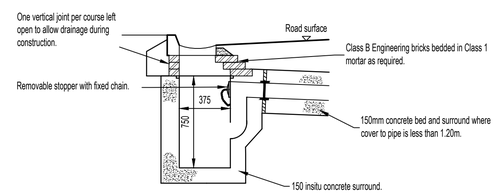
NOTE: Where the drop is not excessive a 45 degree drop pipe may be used

SCALE 1:10




## RODDING EYE

SCALE 1:10




## TYPICAL GULLY DETAIL.

SCALE 1:25

### NOTES

GENERAL NOTES

1. All dimensions in millimetres unless noted otherwise.
2. All pipes to be either vitrified clay in accordance with BS EN 295, and having a crushing strength of 40kN/m, or class 120 concrete (54kN/m min) to BS 5911, bedded on a class B granular bed and haunch, or Osma Wavin Ultra-Rib uPVC or similar bedded on a class S granular bed and surround. Where pipes are in the public highway they are to be bedded on a class S granular bed and surround.
3. If the cover to the pipe is less than 600mm a class Z concrete bed and surround must be used.
4. All trenches in roads, paved areas and below slabs shall be backfilled with Type 1 or Type 2 DOT granular sub-base material.
5. All pipes to be laid soffit to soffit at manholes unless noted otherwise.
6. All insitu concrete to be designated mix FND2 conforming to BS 8500-2 unless agreed otherwise.
7. All private drainage to be 100mm diameter unless otherwise stated.
   Minimum gradients:
   Foul Water 1/80,
   Storm Water 1/100
8. All surface water connecting pipes to be 150mm diameter minimum and all foul water connecting pipes to be 100mm diameter minimum to adoptable drains.
9. All rainwater pipes must be fitted with a roddable access above ground.
10. All private drainage to be installed in accordance with Part H of the Building Regulations and BS EN 752 & 12056.
11. Refer to manufacturers instructions for installation details

| REV | DESCRIPTION | SIG | CHK | DATE |
|---|---|---|---|---|
| A | First Issue. | | | |

BARRATT & DAVID WILSON HOMES
YORKSHIRE WEST

LAND OFF CARRS LANE, CUDWORTH, BARNSLEY, SOUTH YORKSHIRE

PLOT DRAINAGE DETAILS

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www.eastwoodandpartners.com

| SCALE WHEN PLOTTED AT A1 | | | DRAWING STATUS | |
|---|---|---|---|---|
| 1:10 AND 1:25 | | | PRELIMINARY | |
| DRAWN | CHECKED | DATE | DRAWING NUMBER | REV |
| RH | CH | 11.12.15 | 39094/035 | A |