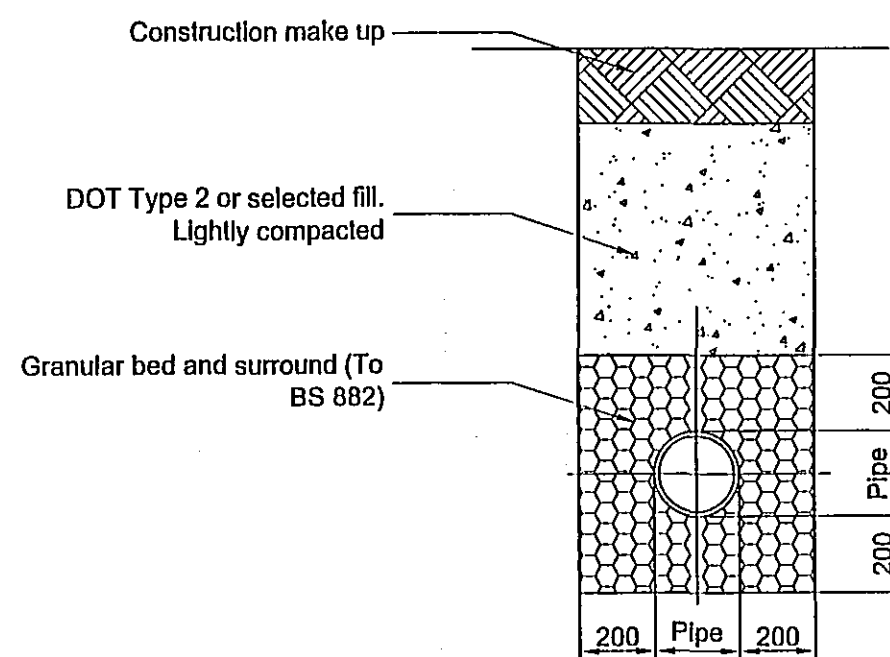
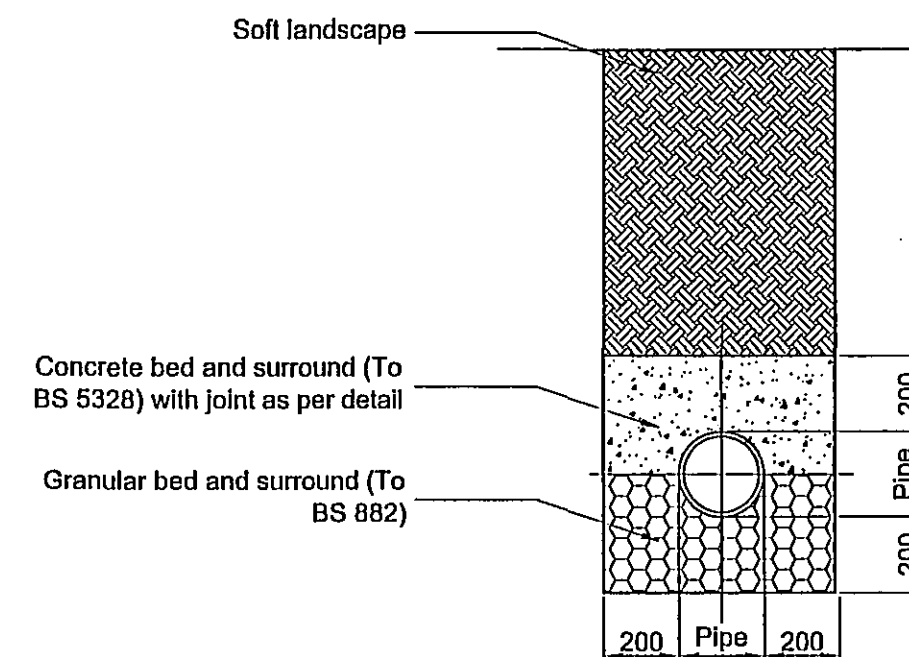




**Typical Pipe Bedding with  
Granular Bed & Surround**

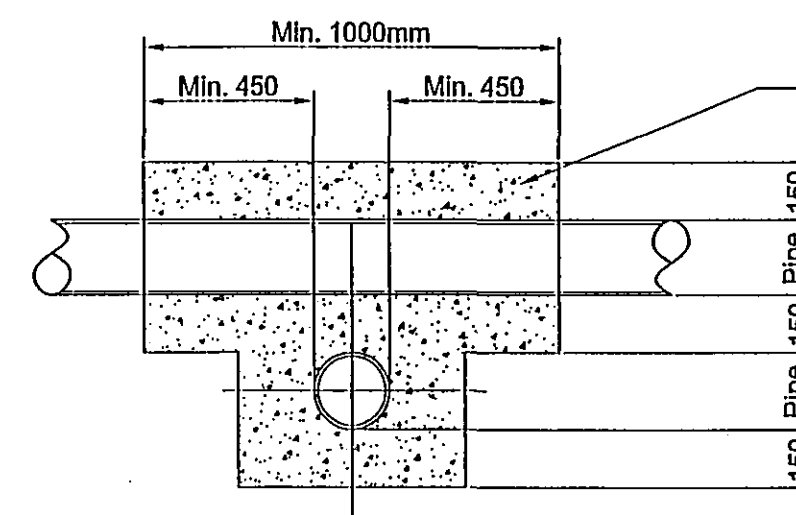
**Note:** Granular bed and surround to be used where the depth between the finished construction level and the Barrel of the drain exceeds 900mm.

All dimensions are external pipe widths.

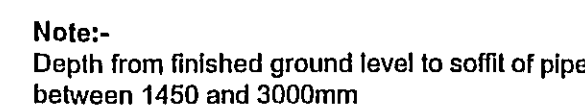


**Note:** Combined ST4 concrete & Granular bed and surround to be used where the depth between the finished construction level and the Barrel of the drain is less than 900mm & in soft landscape.

**All dimensions are external pipe widths.**



Pipes separated by less than 200mm are to be wrapped in polythene and surrounded in min. 150mm ST4 concrete. Pipes separated by more than 200mm are to be surrounded as granular bedding detail



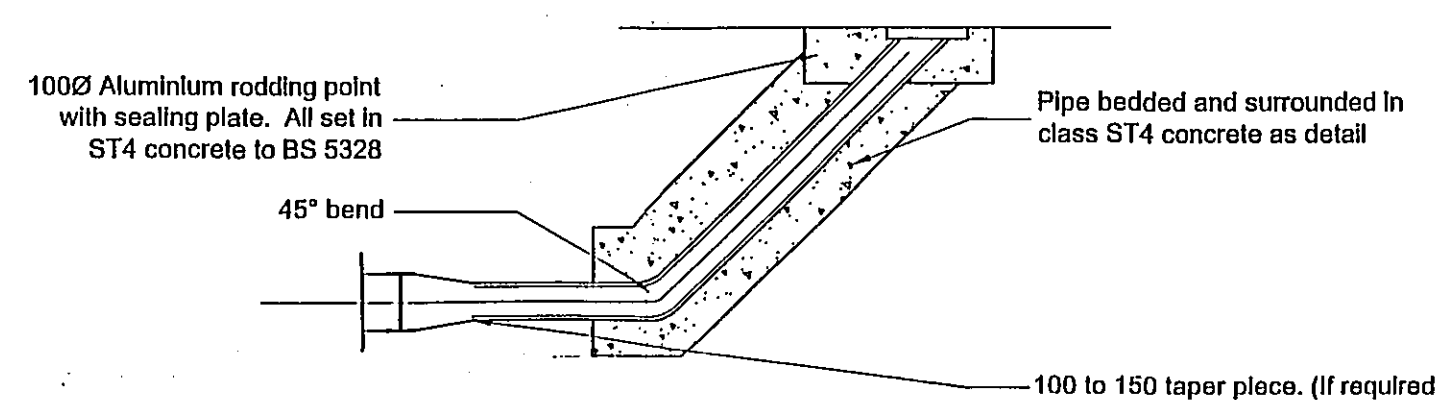
### Benching slope between 1 in 10 & 1 in 30

Step irons (not shown) provided at 250mm vertical centres. Top one 675mm from cover level

Joint to be as close as possible to face  
of manhole, to permit satisfactory joint  
and subsequent movement



**Note:** Depth from finished ground to soffit of pipe between 1450mm & 3000mm



Rainwater pipe

Access plate for rodding

New DP to be "Y" connected into existing SDP drain run

$\varnothing 100\text{mm}$  pipes of length to suit depth of existing drain

ST4 concrete surround

### Down Pipe Rodding/Connection Detail

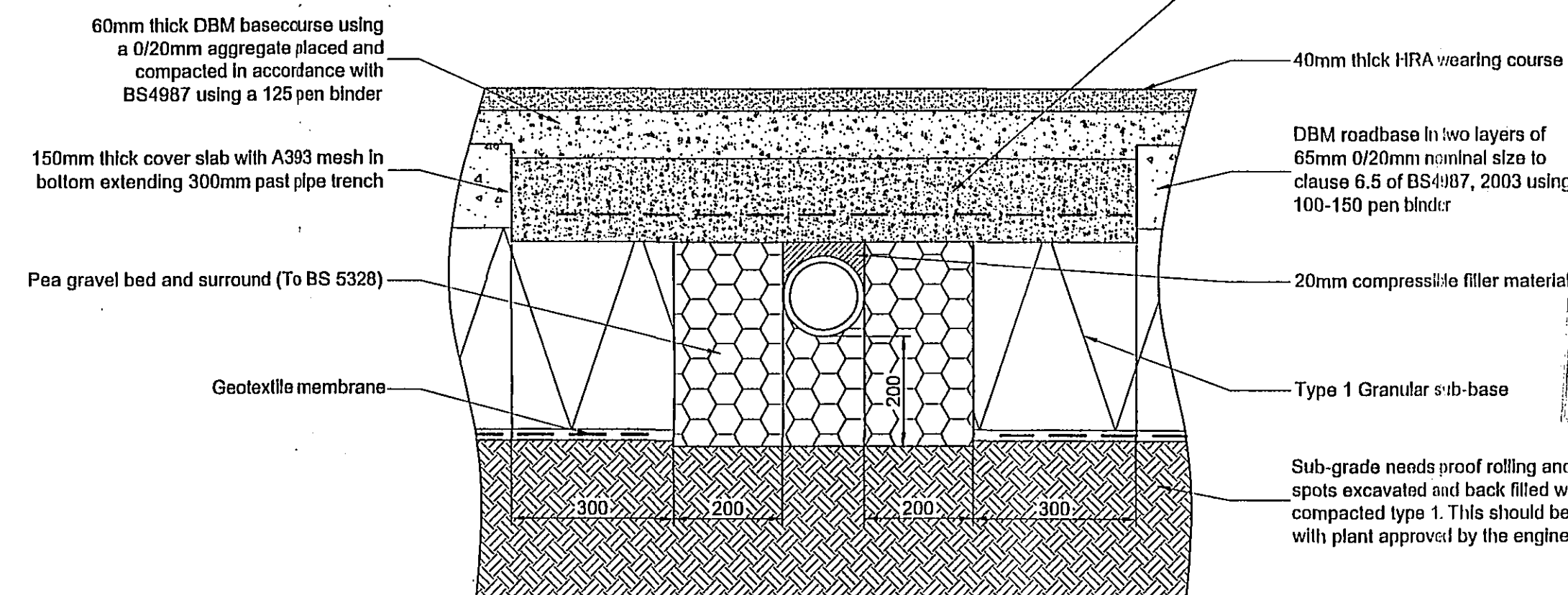
Surface of concrete to have a tamped finish then painted with bitumen emulsion class K1-40 to BS434 of a rate of spread of  $0.5 \pm 0.1$  litres/m<sup>2</sup>.

DBM roadbase in two layers of 65mm 0/20mm nominal size to clause 6.5 of BS4987, 2003 using 100-150 pen blinder

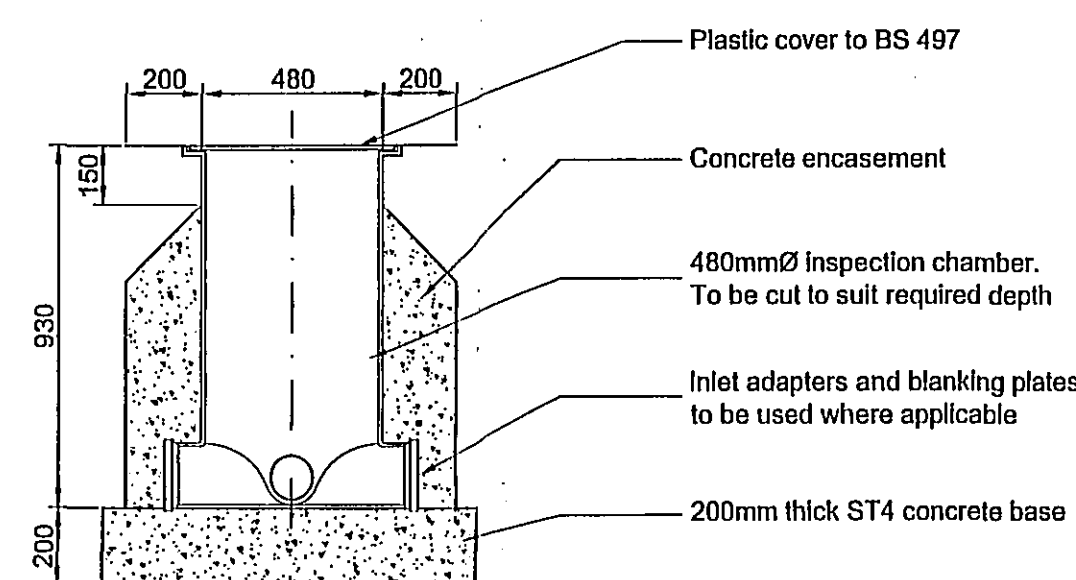
— 20mm compressible filler material

—Type 1 Granular sub-base

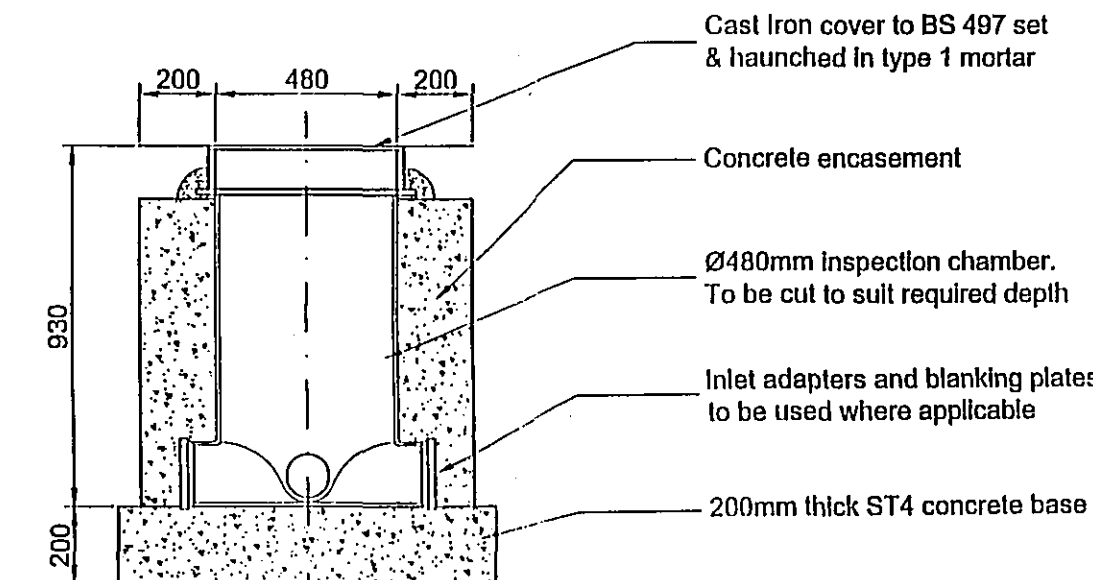
Sub-grade needs proof rolling and any soft spots excavated and back filled with compacted type 1. This should be completed with plant approved by the engineer



**Cover Slab Detail**  
1:10



**Note:** Hepworth or equivalent



**Note:** Hepworth or equivalent

**Notes:**

1. DO NOT SCALE FROM THIS DRAWING.
2. Drawing is to be read in conjunction with drawings: 24060-101, 102 & all relevant architect's drawings. Any inconsistencies should be reported to PRP Immediately.

|     |            |                                                                             |          |
|-----|------------|-----------------------------------------------------------------------------|----------|
| P2  | 06/06/2008 | Typical Pipe Bedding with Granular & Concrete Bed & Surround detail amended | SRS      |
| P1  | 28/05/2008 | Issued as preliminary                                                       | JWG      |
| Rev | Date       | Description                                                                 | Initials |



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engineering excellence | creating advantage

Client:  
Taylor Pearson

Architect:  
KMB Ltd.

**Project:**  
Industrial Units  
Warden Tree Lane  
Pinchbeck

Title:  
External Works  
Details

Status: **PRELIMINARY**

|        |          |
|--------|----------|
| Drawn: | Checked: |
|--------|----------|

|                   |                     |
|-------------------|---------------------|
| Date:<br>May 2008 | Scale @ A1:<br>1:20 |
|-------------------|---------------------|

Drawing No: 24060-103P2

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