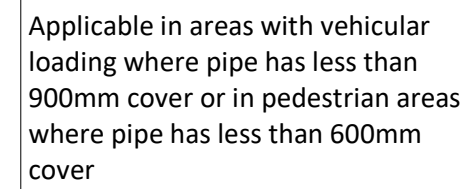


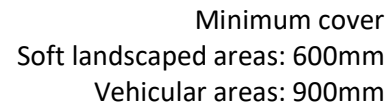
- 3 For full set of drainage notes refer to HTS drawing 1862/DR001.

**Abbreviations:-**

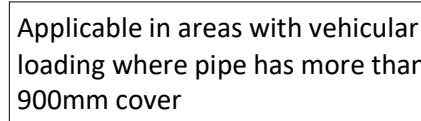
|      |                                    |
|------|------------------------------------|
| CL   | - Cover level                      |
| IL   | - Invert level                     |
| FWP  | - Foul Waste Pipe                  |
| RWP  | - Rainwater Pipe                   |
| CD   | - Channel Drain                    |
| SD   | - Slot Drain                       |
| TD   | - Threshold Drain                  |
| RE   | - Rodding Eye                      |
| BA   | - Above Ground Rodding Access      |
| RD   | - Backdrop                         |
| FW   | - Foul Water                       |
| SW   | - Surface Water                    |
| CW   | - Combined Water                   |
| FG   | - Floor Gully                      |
| SSL  | - Structural Slab Level            |
| FFL  | - Finished Floor Level             |
| Ø    | - Diameter                         |
| TOC  | - Top of Concrete                  |
| NTS  | - Not to Scale                     |
| PC   | - Pumping Chamber                  |
| PPIC | - Polypropylene Inspection Chamber |



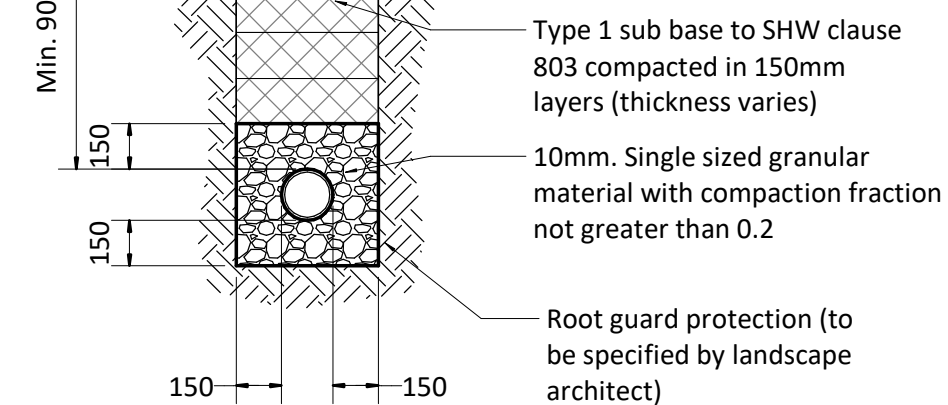
## Pipe Bedding - Class Z



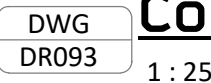
### Pipe Bedding - Class S - Pedestrian Loading



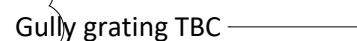
### Pipe Bedding - Class S - Vehicular Loading



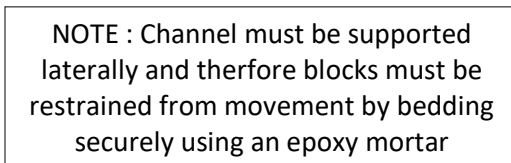
### Typical Root Protection for Pipes running near trees



## Block A - Manhole Backdrop Connection



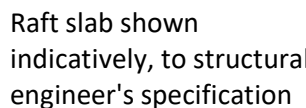
### Block A Internal Floor Gully - Wade 'P'



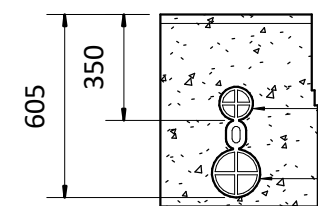
NOTE : Channel must be supported laterally and therefore blocks must be restrained from movement by bedding securely using an epoxy mortar

| Load class | C250  | D400  |
|------------|-------|-------|
| Minimum X  | 150mm | 200mm |
| Minimum Y  | 150mm | 200mm |

### ACO Slot Drain Detail Block Pavement

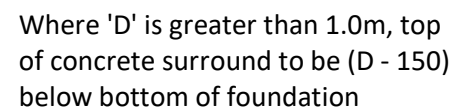


### Typical Local Thickening of Raft Slab for Drainage Pipe Detail

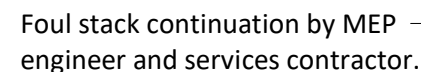


Standard sump outlets  
1 = 110mm DIA outlet with triple lipped seal  
2 = 110mm DIA knockout

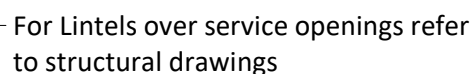
### ACO Universal Sump - Outlet from Channel Drain / Slot Drain



## Pipe bedding near buildings



### Block A Typical Slab Penetration detail



Section showing alternative drain details at Structure crossing

|     |          |    |     |                            |
|-----|----------|----|-----|----------------------------|
| C2  | 06.03.20 | CR | CR  | REVISED CONSTRUCTION ISSUE |
| C1  | 29.11.19 | JH | CR  | CONSTRUCTION ISSUE         |
| Rev | Date     | By | Eng | Amendments                 |

**HEYNE  
TILLET  
STEEL**

STRUCTURAL  
ENGINEERS

[hts.uk.com](http://hts.uk.com)

Job Name  
**Hornsey Town Hall**

# Drainage Details Sheet 2

| Purpose of Issue | Construction | Scale at A1 | As indicated |
|------------------|--------------|-------------|--------------|
|------------------|--------------|-------------|--------------|

Org No **1862/DR201** Rev **C2**