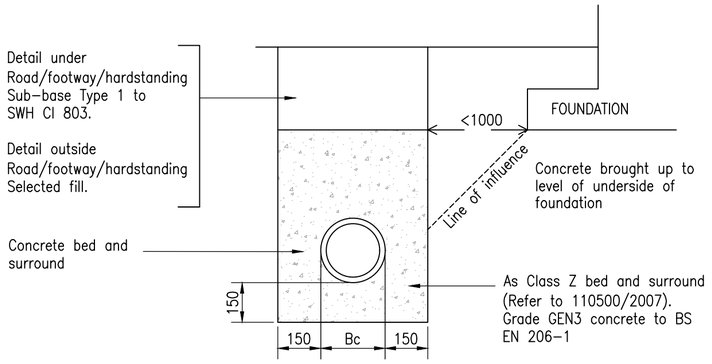
# PIPES NEAR FOUNDATIONS



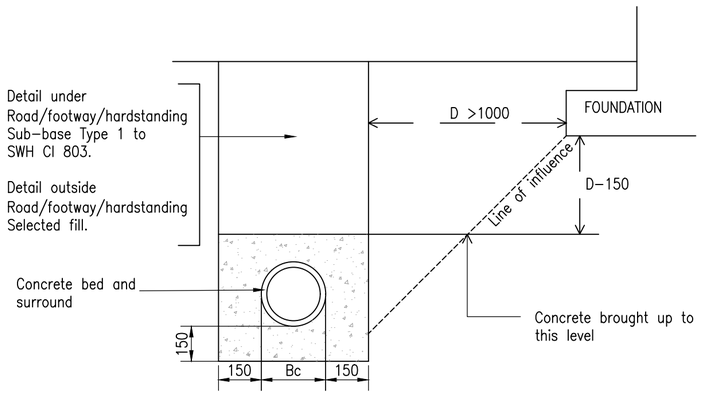




TABLE 1

| Strata | Dimension 'a' | Dimension 'b' |
|---|---|---|
| Soil | $\frac{Bc}{6}$ or 100mm minimum. Not less than 50mm undersockets | 150mm min. clearance from barrel or socket |
| Rock | $\frac{Bc}{4}$ or 200mm minimum. Not less than 150mm undersockets | 200mm min. clearance from barrel or socket |

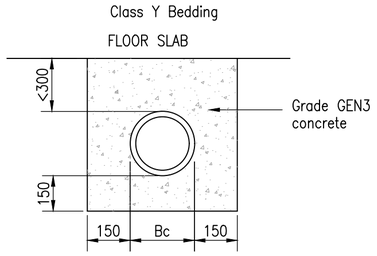
Bc – External pipe diameter

TABLE 2 – PIPE BEDDING AND SURROUND FOR RIGID PIPES

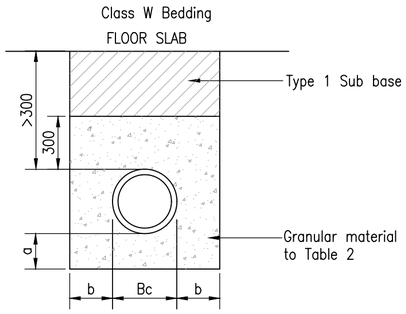
| Pipe nominal size (mm) | Aggregate to BS882 |
|---|---|
| 150 | 10 or 14mm nominal single size<br>14mm to 5mm graded |
| over 150 to 500 | 10, 14 or 20mm nominal single size<br>14mm to 5mm graded<br>20mm to 5mm graded |
| over 500 | 10,14, 20 or 40mm nominal single size<br>14mm to 5mm graded<br>20mm to 5mm graded<br>40mm to 5mm graded |

# PIPES UNDER FLOOR SLAB

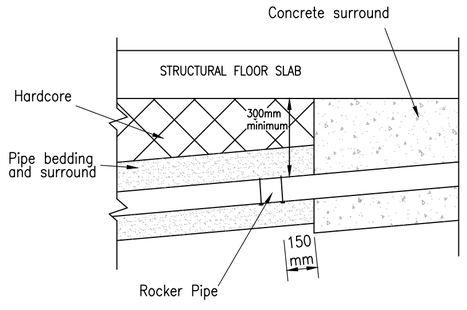
PIPE UNDER FLOORSLAB WITH LESS THAN 300mm COVER



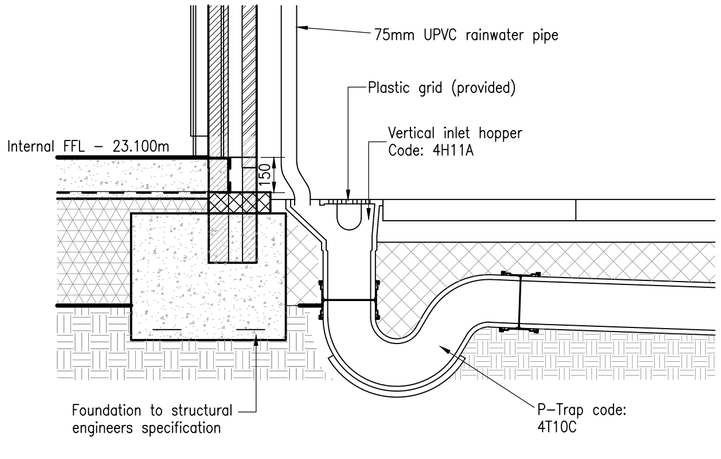

PIPE UNDER FLOORSLAB WITH GREATER THAN 300mm COVER




PIPE PASSING UNDER FLOORSLAB

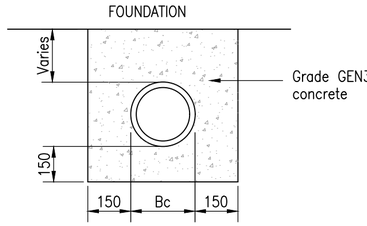



# VERTICAL INLET HOPPER TRAPPED CONNECTION DETAIL

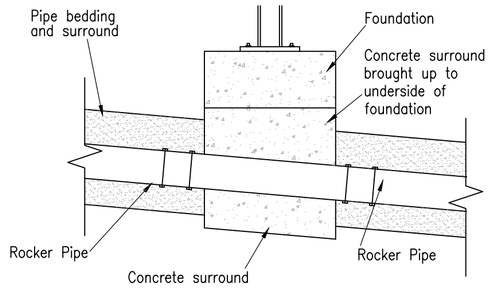



# PIPES UNDER FOUNDATIONS

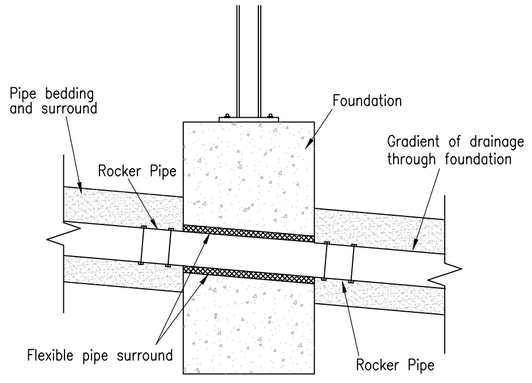
PIPE UNDER FLOORSLAB WITH LESS THAN 300mm COVER




PIPE PASSING UNDER FOUNDATION

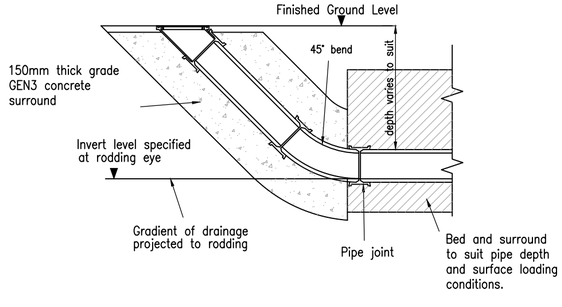



PIPES THROUGH FOUNDATIONS




# TYPICAL RODDING ACCESS DETAIL

PIPES 100mm or 150mmø




Do not scale from this drawing.

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARD/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING RISKS AND INFORMATION.

RISKS LISTED HERE ARE NOT EXHAUSTIVE. REFER TO DESIGN ASSESSMENT FORM NO. DID/149100/01.

CONSTRUCTION
–DRAINAGE CONNECTIONS REQUIRED TO EXISTING LIVE SEWERS.
–EXISTING SERVICES.
–EXISTING SEWER.
–WORKS ADJACENT TO ROAD.

DEMOLITION
–BREAKING OUT EXISTING DRAINS & SEWERS.

FOR INFORMATION RELATING TO USE, CLEANING AND MAINTENANCE SEE THE HEALTH AND SAFETY FILE

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.

## NOTES

1. This drawing is based on the following received information:
   –JDDK TOPO/UTILITY SURVEY 2344100 REV A,
   –JDDK PROPOSED SITE PLAN 4252–JDK–XX–XX–DR–A–1001–C1,

2. This drawing is to be read in conjunction with the following FAIRHURST drawings:
   –149100/2021 – Grant Street Proposed Drainage Layout,
   –149100/2022 – Grant Street Proposed Spot Levels,
   –149100/2023 – Grant Street Proposed Drainage Notes,
   –149100/2024 – Grant Street Drainage Construction Details Sheet 1,
   –149100/2026 – Grant Street Drainage Construction Details Sheet 3,
   –149100/2027 – Grant Street Drainage Construction Details Sheet 4,
   –149100/2028 – Grant Street Manhole Schedule,
   –149100/2029 – Grant Street Proposed Surface Finishes,
   –149100/2030 – Grant Street External Works Construction Details Sheet 1,
   –149100/2031 – Grant Street Drainage Construction Details Sheet 5.

| Rev. | Date | Description | Drwn. | Chkd. | Appd. |
|---|---|---|---|---|---|
| E | 19/07/23 | ISSUED FOR CONSTRUCTION | FM | AS | JMM |
| D | 20/04/23 | REVISED TO INCLUDE PIPE THROUGH FOUNDATION DETAIL ISSUED FOR TENDER | FM | HB | JMM |
| C | 16/02/23 | REF TO UPDATED SITE PLAN AND DETAILS SHEET 5 ADDED | CP | KS/HB | JMM |
| B | 18/01/23 | REF TO SURFACE FINISHES AND DETAILS DRAWINGS ADDED | CP | KS/HB | JMM |
| A | 25/11/22 | ISSUED FOR TENDER | CP | RH | JMM |


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Client: South Tyneside Council

Project Title: STC CHILDREN'S HOMES

Drawing Title: GRANT STREET DRAINAGE CONSTRUCTION DETAILS SHEET 2

| Scale at A2: | Status: | |
|---|---|---|
| NTS | Construction | |
| Drawn: | Checked: | Approved: |
| KHS | RH | DF |
| Date: | Date: | Date: |
| 15/09/22 | 15/09/22 | 15/09/22 |

Drawing No.: 149100/2025 Revision: E