**TYPICAL PIPE BEDDING AND GULLY CONNECTION DETAIL**

**Notes:**

1. All dimensions in millimetres.
2. All levels in metres above Ordnance Datum.
3. This drawing to be read in conjunction with Appendix S/1 of the Works Specification.
4. The backfill material shall be placed and compacted in accordance with the requirements of the Manual of Contract Documents for Highway Works Volume 1 - Method Statements (Table XI).
5. The maximum trench width shall be applied up to a depth of 300mm above the crown of the pipe.
6. The minimum depth from the top of the gully to the top of the gully outlet is to be 575 to 625mm when the connection pipe is under a carriageway or hard shoulder and 325 to 375mm elsewhere.
7. The concrete surround to gullies shall fill the whole void between the gully pot and the face of excavation. The concrete should be compacted by vibrating pokers to remove air voids.
8. Backfill to SWH series 2400 (category 1 group 1 solid HD clay units (75MPa)) to BS EN 771-1:2003 using M12 sub-base resistant mortar to BS EN 598-2:2010.
9. Corbeling shall not exceed 30mm on each course.
10. The depth of mortar joints in brickwork and under the backfill shall be between 5 and 15mm. Any any adjustment in height should be carried out in special Class A bricks of reduced thickness or quantrill filler. Where proprietary cementitious materials or epoxy resins are used the mortar bedding depth should be in accordance with the manufacturer’s recommendations.
11. Gully frame to be bedded on, and anchored with mortar as previously described, and positioned centrally over gully pot and abutting with the kerb face.
12. In carriageway, gully chamber to BS 5911:2004 to be 930mm internal depth and 450mm internal diameter. In footway gully chamber to BS 5911:2004 to be 810mm internal depth and 300mm internal diameter.