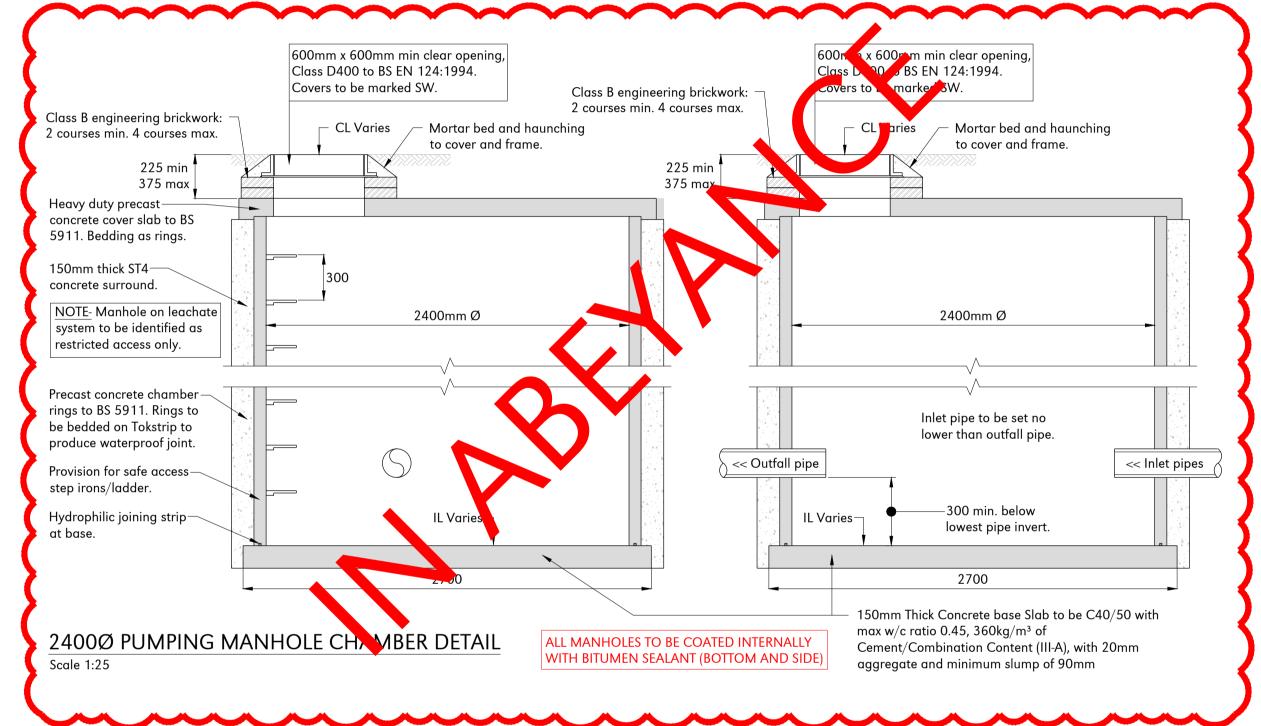
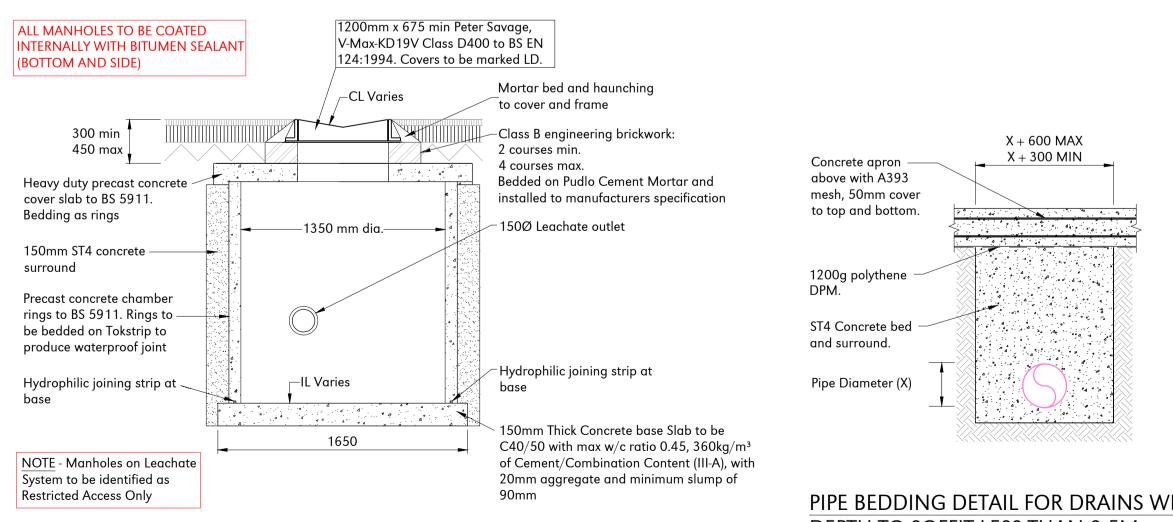


1350Ø MANHOLE DETAIL

Scale 1:25





1350Ø LEACHATE DRAINAGE SUMP

Scale 1:25



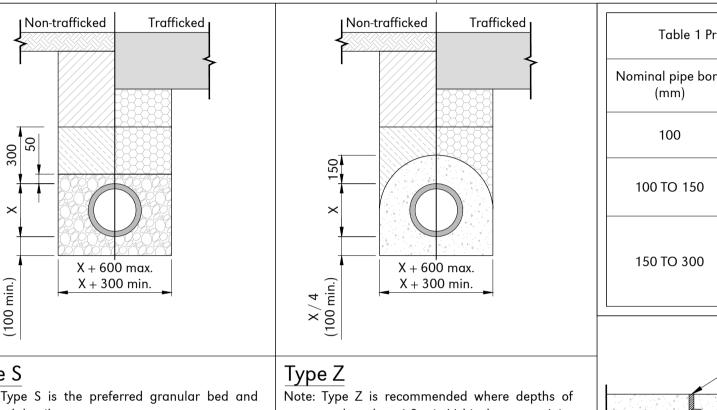
Details Key: Selected excavated material; free from timber, frozen material, vegetable and foreign matter and exclude any stones or hard lumps of clay retained on a 40mm sieve ST4 Concrete to S.H.W. Clause 503.3 (iii) General fill to S.H.W. Clause 505.2 Carriageway construction Granular material Type 1 sub-base to S.H.W. Clause 803 compacted in accordance with Clause 612, table 6/4 method 6 Granular material to S.H.W. Clause 503.3 (i) or Table 1 below (processed granular bedding and sidefill) S.H.W. = Specification for Highway Works X = Pipe Diameter Ø Trafficked Non-trafficked

Standard Notes:

- All dimensions are in millimeters unless stated otherwise.
- The joint detail for pipe surround on Type Z drains is for flexible joints only. For pipes with nominal diameter below 450mm, the thickness of compressible joint filler board shall be 18mm. For pipes with a nominal diameter of 450mm or
- 36mm. For pipes exceeding 1200mm nominal diameter, the thickness of joint filler board shall be 54mm. The minimum of maximum width of the trench applies on and below a line 300mm above the outside top of the pipe. Above the 300mm line the trench

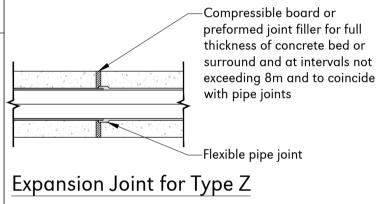
greater, but not exceeding 1200mm, the thickness of joint filler board shall be

- backfill material shall be as described in Clause 505 of S.H.W. The concrete bed or surround may extend to the sides of the trench or be a
- minimum width. Class 8 material is to be used to fill any voids formed. Granular pipe bed and surround material, consisting of natural and/or recycled coarse aggregate or recycled concrete aggregate, should have the following specification (in accordance with clause 503.3 MCDHW).
- For Type Z trench the concrete cover may be formed to a radius batter or horizontal surface. Minimum cover of concrete shall be 150mm.
- 8. Main backfill to be selected excavated material; free from timber, frozen material, vegetable and foreign matter and exclude any stones or hard lumps of clay retained on a 40mm sieve. backfill material should be well graded, readily compactable and consolidated in maximum 300mm layers. No mechanical compaction is to be applied until first 300mm of main backfill is in place. if excavated material is unsuitable, use S.H.W. class 8 recycled aggregate.



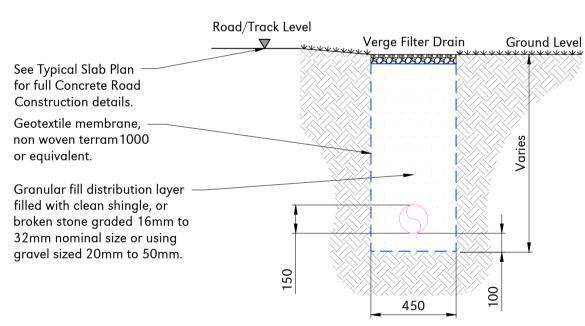
× 100 Note: Type S is the preferred granular bed and cover are less than 1.2m in Vehicular areas. Joint surround detail. To be used where cover to pipe soffit is greater filler board shall be placed in contact with the end than 1200mm in vehicular areas andin of the socket at a pipe joint and shall extend through the full thickness of the concrete in non-trafficked areas (ie. footpaths, verges, etc) contact with the pipe, these should be placed at each pipe joint.

Table 1 Processed Granular Bedding and Sidefill Nominal pipe bore | Nominal maximum Material specification partial size (mm) 10mm nominal single 10 10 or 14mm nominal single sized or 14mm 15 to 5mm graded 10, 14 or 20mm nominal single sized or 14mm to 5mm 20 graded or 20mm to 5mm graded

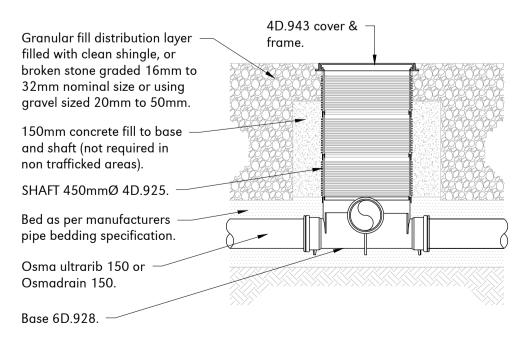


TYPICAL PIPE BEDDING DETAILS

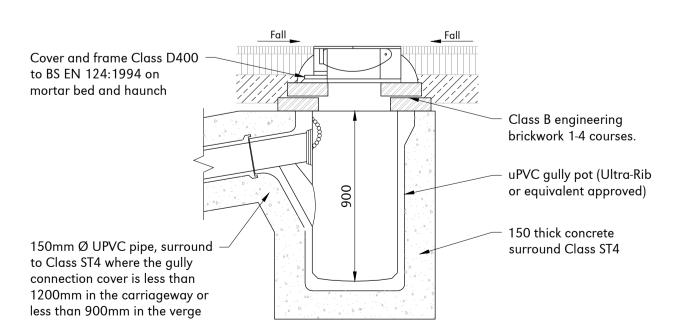
Note: The above details provided for guidance only, refer to manufacturers technical manual for installation guidance and further details Scale 1:20



TYPICAL VERGE FILTER DRAIN CROSS SECTION Scale 1:20



450Ø INSPECTION CHAMBER DETAIL Not to Scale



TYPICAL GULLY DETAIL Scale 1:20

- All dimensions noted are in millimetres unless stated otherwise.
- All levels to be above Ordnance Survey Datum defined levels (A.O.Dm) unless noted otherwise.
- Do not scale from this drawing, if dimensions are not clear ask. This document has been created in accordance with Plandescil Ltd. Terms & Conditions along with the scope of works provided by the client to Plandescil Ltd. Any use of this document other than for its original purpose is prohibited, Plandescil Ltd. accept no liability for
- any third party uses of this document. Plandescil Ltd. to be informed immediately of and alterations/deviations identified on site from the information
- shown on the engineering drawings. This drawing is to be read in conjunction with all other relevant
- documents relating to the project. All setting out to be coordinated by the Contractor and to be
- checked onsite prior to construction. To be read in conjunction with the following Plandescil Ltd
- Drawings, schedules and documents:
- 27951/007 Proposed Site Layout 27951/008 - Proposed Site Levels 27951/120 - Containment Bund Slab & Joint Details

27951/121 - Hardstanding & Kerbing Details **DRAINAGE NOTES:**

- All drainage pipes to be laid invert to invert.
- All levels are indicative only.
- 11. All proprietary materials to be fixed strictly in accordance with manufacturer's recommendations using materials approved by the
- 12. All levels and dimensions should be checked on site by contractors and relevant sub-contractors.
- 13. Existing public utility services and private apparatus are not necessarily shown on the drawings. The contractor shall liaise with the utility provider to determine precise location of existing services. Existing services to be marked out on site prior to any excavation works. All utility company guidelines & health and
- safety procedures must be strictly followed. 14. Where surface water drains to ground, the existing ground should
- broken up prior to laying the subgrade to aid infiltration. 15. All Leachate manholes to be coated internally with bitumen sealant (bottom and sides).

MATERIAL NOTE:

- 16. Materials must NOT contain limestone, including D.f.T Type 1 and concrete aggregate.
- 17. All Asphalt to be made with Granite or other acid resistant aggregate (No Limestone filler allowed).
- 18. All pipes to be UPVC twin wall or foul water push fit orange pipe, NOT Concrete or Foul water pipe.
- 19. All Asphalt to be made with Granite or other acid resistant aggregate (No Limestone Filler Allowed)
- All Leachate Manholes to be coated internally with bitumen sealant (Sides and Bottom)
- Silage clamps and drainage design to comply with latest SSAFO
- and CIRIA C759 guidance. 22. Designed for Maize, Rye, and Grass only, not Beet or Beet pulp.

ALL PROPRIETARY MATERIALS TO BE FIXED STRICTLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS

USING MATERIALS APPROVED BY THE MANUFACTURER.

NOT TO BE USED FOR CONSTRUCTION

PROVISIONAL FOR **TENDER PURPOSES ONLY**

B 03-05-24 MJP OAJ Minor Amendments A 19-12-23 JIM OAJ Pumping Chamber & Filter Drain Added 0 | 15-12-22 | - | OAJ | First Issue Rev Date Rev By Chkd Description



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civil / structural / environmental / surveying

Client

Streetly Hall Estate

AD Plant Streetly Hall Estate, West Wickham, CB21 4RP

Drawing Title

Typical Drainage Details Kerbing Details

Drawn By As Noted (A1) December 2022 MJP

27951/122

