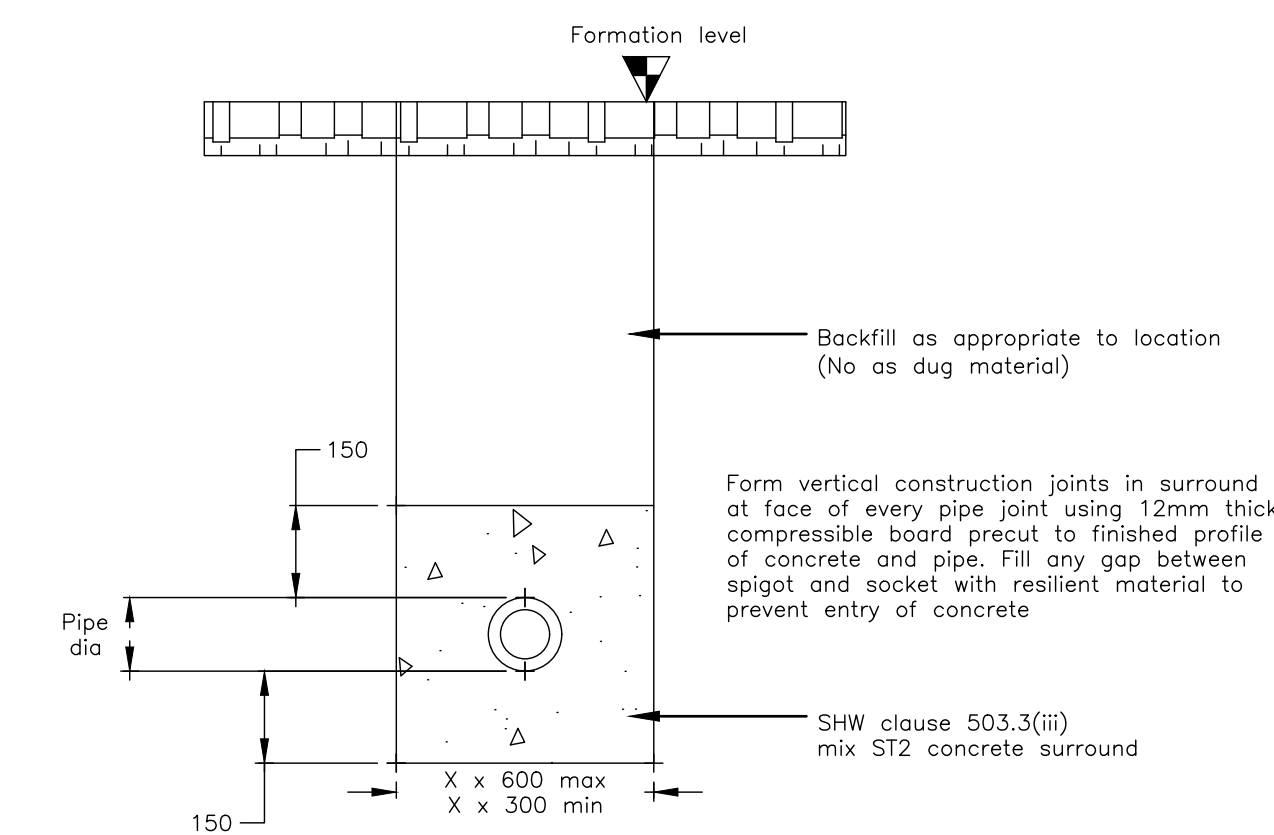




Lockable Galvanised Steel Lid.

Load Rated Cover & Frame

Seating Rings

F.G.L.

Pre-cast Concrete Cover Slab

Min 150mm ST2 Concrete Bed & Surround if in parking area

Manhole Chamber

150mm Bed & Granular Surround. Single Sized To BS 882 if in verge/soft area

Catchpit Chamber

225mmØ D/S Coupling

225mmØ pipe

150mm Bed & Granular Surround. Single Sized To BS 882

Expansion Joint

Min 150mm Concrete Surround

UNLOAD AREA ← — LOADED AREA

Diagram illustrating the cross-section of a trench structure, showing the following layers and dimensions:

- Formation level** (top surface)
- Compacted Type 1 Dtp** (clause 803)
- 300mm layer of class 8 fill** to SHW clause 503.3(w)
- Granular bed and surround** to SHW clause 503.3(i)

Dimensions and labels:

- 50 (vertical dimension)
- 150 min (vertical dimension)
- $X/6$ (horizontal dimension)
- $X \times 600$ max (horizontal dimension)
- $X \times 300$ min (horizontal dimension)
- min 150 (vertical dimension)
- Pipe dia (horizontal dimension)

Manhole cover to BS EN 124 Class D400.

Access opening restricted to 350mm diameter or 300x300mm if depth of chamber to invert is >1m

Mortar bedding and haunching to cover and frame to Clause E6.7 of SFA

Soft landscaping

Precast concrete cover slab

ST2 Concrete sub-base in loaded areas

DfT Type 1 sub-base in landscaped areas.

450mm

ST2 Concrete surround in loaded areas

DfT Type 1 surround in landscaped areas.

Base unit to have connections with sffit levels no lower than that of the main pipe

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

Granular bedding material

110mm Ø RWP Universal Adaptor

110mm Ø 90° short radius bend

Granular 5-14mm Pipe bedding material to BSEN 1610

Gen 3 concrete collar

Typical installation using 90° short radius bend.

Refer to paving detail.

Minimum cover 130mm for domestic driveways.
Minimum cover 260mm for occasional HGV's.

Geotextile

DIFFUSER TANK

Permeable sub-base, As per paving detail

The diagram illustrates the cross-section of a road fall. The layers, from top to bottom, are:

- Road Fall**: The top surface of the road.
- Porous surfacing to specialist manufacturer's specification**: The top layer of the road structure.
- 50mm Laying course using aggregate to manufacturer's specification**: The layer immediately below the porous surfacing.
- Geogrid**: A grid-like reinforcement layer.
- Min 200mm sub-base using 20mm open graded clean stone (no fines). Depths as per plan drawing.**: The layer below the geogrid.
- Subgrade to be a minimum CBR of 5% based on saturated condition**: The natural ground upon which the road is built.

Additional labels include:

- Geotextile Fabric**: Indicated by a red line separating the sub-base from the subgrade.
- Subsoil to be graded away from property**: The area below the subgrade that needs to be removed.

GENERAL NOTES

- 1.1. THIS DRAWING IS COPYRIGHT AND SHOULD NOT BE REPRODUCED IN WHOLE OR PART WITHOUT THE WRITTEN CONSENT OF STILWELL LTD.
- 1.2. DO NOT SCALE FROM THIS DRAWING.
- 1.3. LOCATIONS OF ALL EXISTING SERVICES ON-SITE TO BE CONFIRMED & PROVIDED TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORKS.
- 1.4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT STILWELL LTD DRAWINGS & SPECIFICATIONS.

Drainage Construction Notes

1. All materials and workmanship related to private sewers shall be in accordance with Part H of the Building Regulation and BS EN752
2. All materials and workmanship related to adoptable sewers shall be in accordance with the Sewers For Adoption 7th Edition as published by the Water Services Association and any subsequent revisions shown by SHW.
3. All sustainable drainage (SuDS) to be in accordance with CIRIA C753 The SuDS Manual.
4. Gully grating and aco channel shall be ductile iron to BS EN124, Class D400, and kitemarked.
5. Manhole covers and frames to be ductile iron to BS EN124 Class D400 in carriageways and Class B125 in verges unless otherwise specified. Covers to be kitemarked and badged "SW" or "FW" as appropriate. Brick/buffed inflated manhole covers are not to be used on adoptable manholes.
6. All clayware pipes to be vitrified clay to BS EN 295 or BS 65 and of minimum strength Class 120 or Extra Strength respectively.
7. All plastic pipes to be PVC-U in accordance with BS EN 1401.
8. All carrier drains under carriageway to be constructed with BEDDING TYPES S or Z depending on depth of cover as described on Typical Drainage Details drawing.
9. All pipe connections to be made soft to soft.
10. All pipework with less than 1.2m cover within roads or parking areas to have concrete bed & surround.
11. If the contractor finds any discrepancies in the information provided then he must notify the engineer immediately before any materials are ordered or works undertaken
12. All underslab drainage at minimum 1 in 40 fall unless noted otherwise.
13. All dimensions in millimetres unless otherwise stated.
14. All patios to drain away from properties.

C1	CONSTRUCTION ISSUE.	03.01.18	A
T4	DIFFUSER DETAIL ADDED	02.01.18	A
T3	POROUS SURFACING DETAIL ADDED	21.12.18	A
T2	POROUS SURFACING DETAIL REMOVED	10.12.18	A
T1	TENDER ISSUE.	07.12.18	A
P1	INITIAL ISSUE.	28.08.18	A
Rev.	Amendments	Date	By

Revisions



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Project
The Former Kings Beach Hotel
The Parade, Pagham

Drawing Typical Details

Scales	NTS	At original size	A1
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Drawn	AJ	Checked	DB
Date	Aug 2018		

Status **CONSTRUCTION**

Drawing No. A18237/0201 Rev. C1