

YWS REF : H-3-XXX-XXX

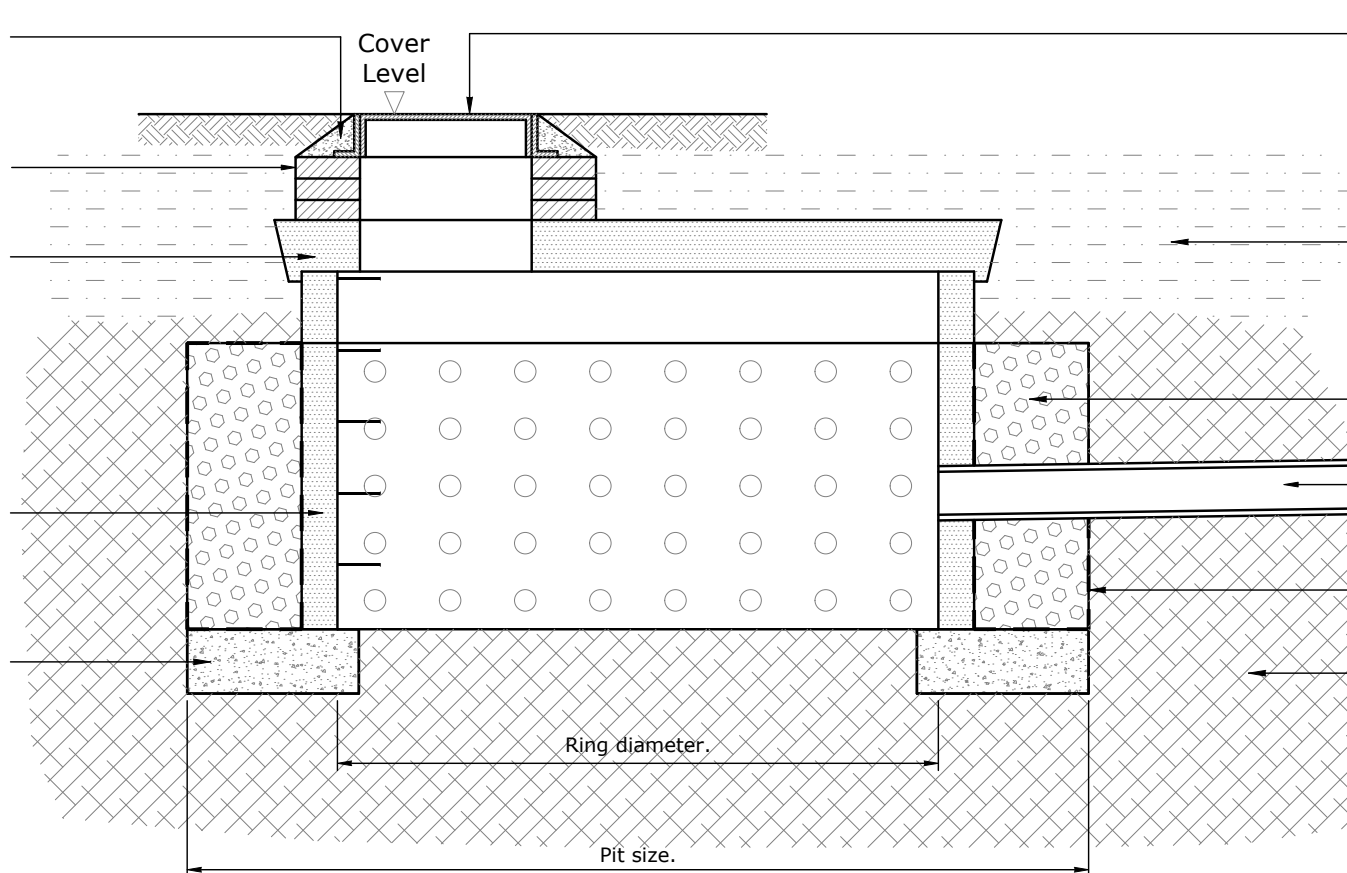
Mortar haunching to manhole cover and frame.

Class B engineering brickwork 2 courses minimum, 4 courses maximum.

Reinforced concrete cover slab to BS 5911 with 675x675 eccentric access bedded with mortar, proprietary bitumen or resin mastic sealant.

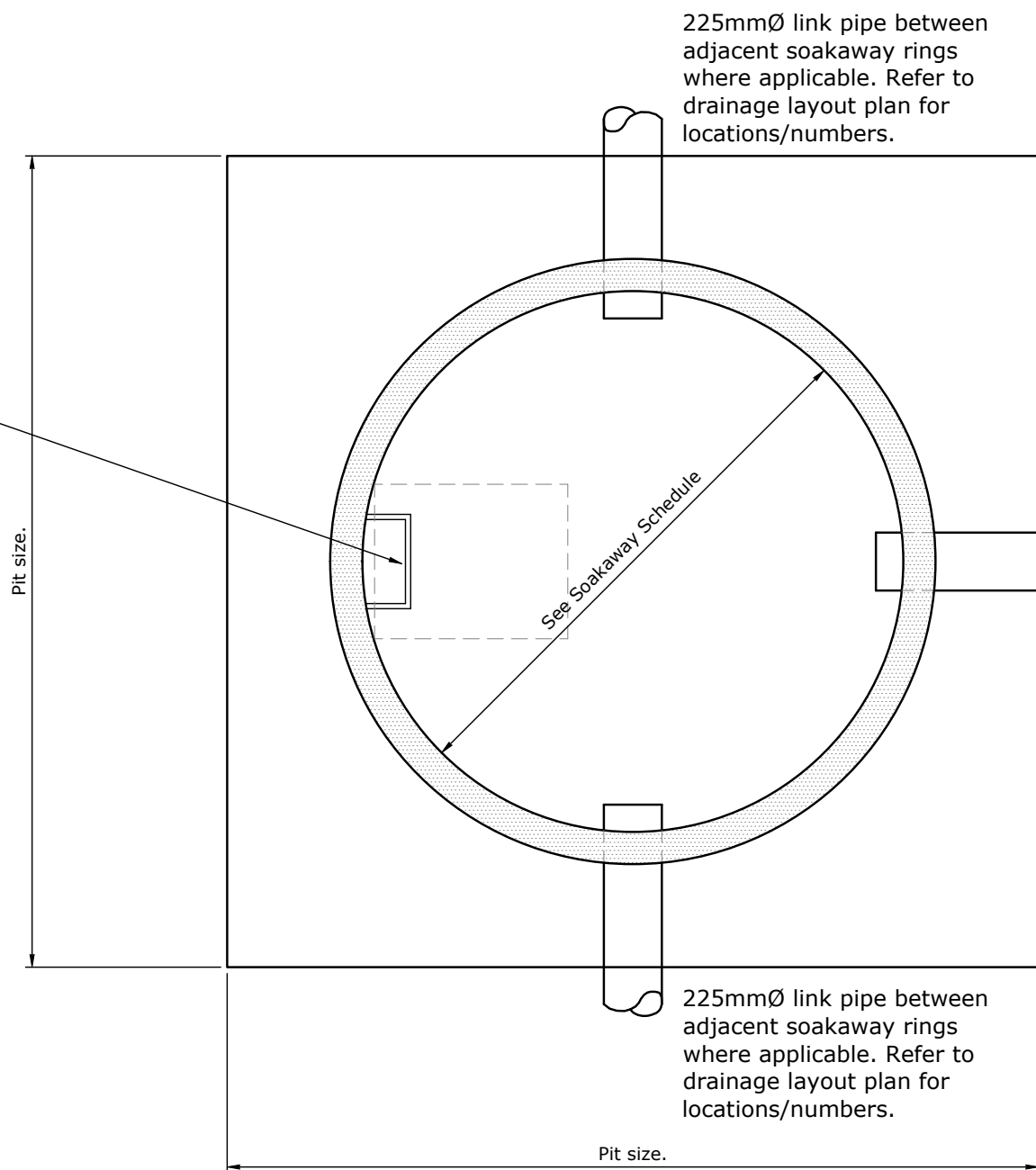
Precast concrete soakaway ring to BS 5911 with 75mm diameter holes.

150mm thick C20P concrete footing with sulphate resisting cement to support soakaway ring.



Section through Typical Soakaway
(Refer to schedule for detailed sizes)

Double step Irons to be in accordance with BS 1247 and are to be galvanised.



Plan on Typical Soakaway
(Refer to schedule for detailed sizes)

Cover and frame to be Class D400 to BS EN 124 with 150mm deep frame in Roads and Class B125 in open space having a 600mm clear opening.

Unsuitable strata.

Compacted granular backfill. 40-70mm nominal size to create 30% voids.

Inlet pipe from catchpit.

Terram 1000 or similar.

Suitable strata.

CONSTRUCTION RISKS		
CONSTRUCTION RISKS	MAINTENANCE RISKS	DEMOLITION RISKS
Collapse of excavations.		No future abnormal demolition risks associated with Roads and Sewers.
Un-charted buried existing services.		
Working on live sewers.		
Working adjacent to the public highway.		
Excavation within hard rock.		
In addition to the hazards/risks normally associated with this type of work detailed on this drawing take note of the above. ID Civils Design are only required to provide information about any significant risks associated with the design.		

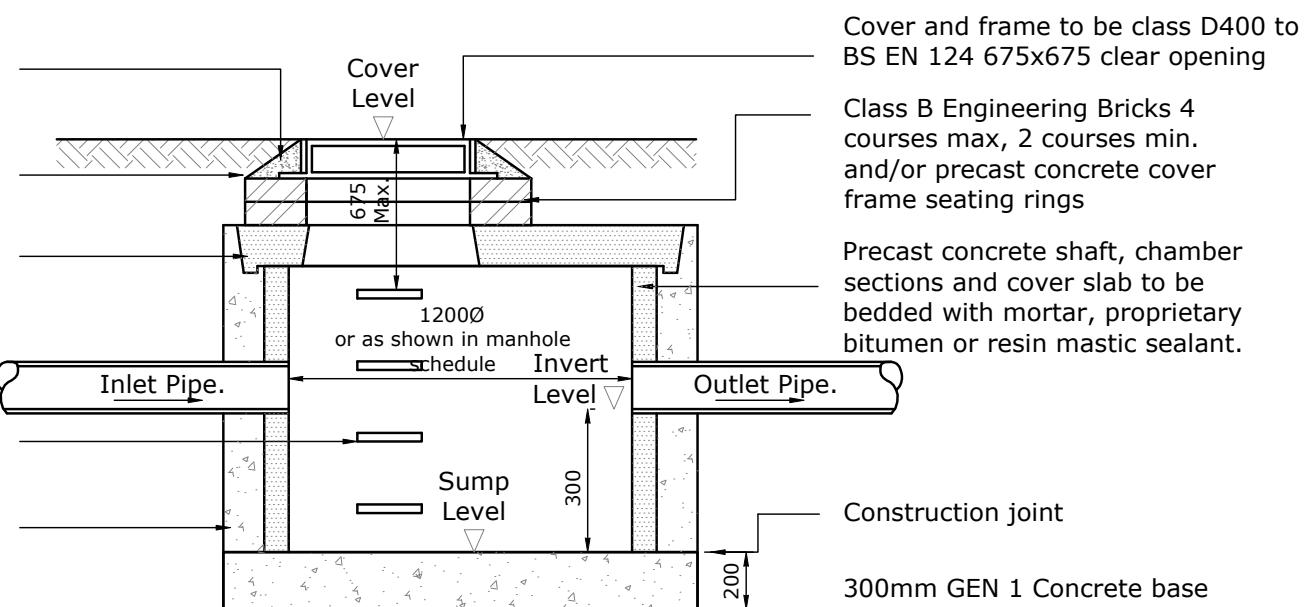
GEN 1 concrete haunching to manhole cover and frame.

Cover frame to be bedded on mortar

Reinforced concrete cover and reducing slab bedded with mortar, proprietary bitumen or resin mastic sealant.

Double step Irons to be in accordance with BS 1247 and are to be galvanised.

GEN 1 concrete surround MIN. 150mm thick



Typical Catchpit Manhole

Health and Safety Notes/CDM Regulations 2015

In line with the above regulations we are obliged to inform the Contractor of the abnormal risks that may be encountered in the construction of these works. As part of the design process all the salient health & safety aspects are given full consideration and these are observed within the designs viewed on this document. Although considerable effort is undertaken to eliminate risks, the very nature of the project gives rise to some hazards and risks.

Significant risks that cannot be eliminated by design and could not be foreseen by a competent contractor are noted in the risk assessment boxes on the drawings.

Notes

1. Base of soakaway designed to be a minimum 1.0m above the seasonally high Ground Water table.
2. Permeable Soils - the Contractor should avoid compacting the soils below a soakaway as this will reduce the rate of Infiltration.
3. A layer of granular material (no fines), minimum 300mm thick, to be placed under the soakaway to assist infiltration into undisturbed underlying permeable soils.
4. No soakaway is to be constructed in or within 5.0 m of carriageways or where the base of the soakaway would extend below a transverse line sloping downwards at 45° from the edge of a carriageway.
5. No soakaway is to be constructed within 5.0 m of any building, burr wall, retaining wall or other structure.
6. The details have been prepared as a guideline only. The actual depths will depend upon where the permeable strata is found and the provision of a minimum 0.5m depth within that strata.

A	Link pipes added to soakaway pit layout.	DL	10.02.21
Rev	Description	By	Date

Client:

Persimmon Homes
West Yorkshire

Project Title:

Netherton Moor Road,
Netherton

Drawing Title:

Soakaway Construction
Details

Scale

1:25 @ A2

Date

11.12.20

Drawing No

4950-C-D4-01

Revision

A

Status

Approval



**Geo
Structures
Civils**

**ID Civils Design
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