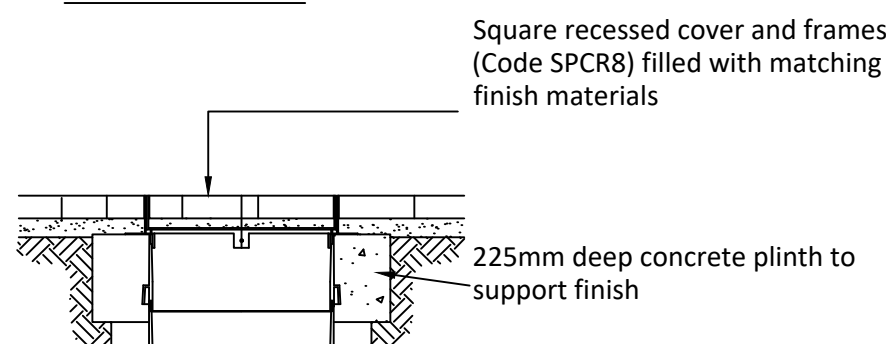
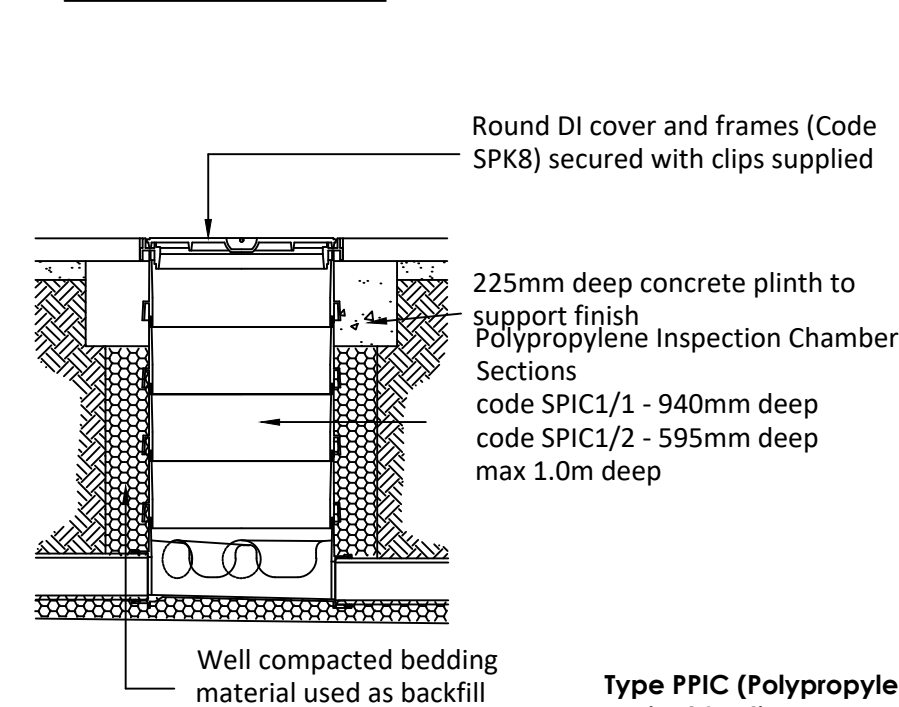


Sited in Driveways / Hard Landscaped areas
with recessed cover

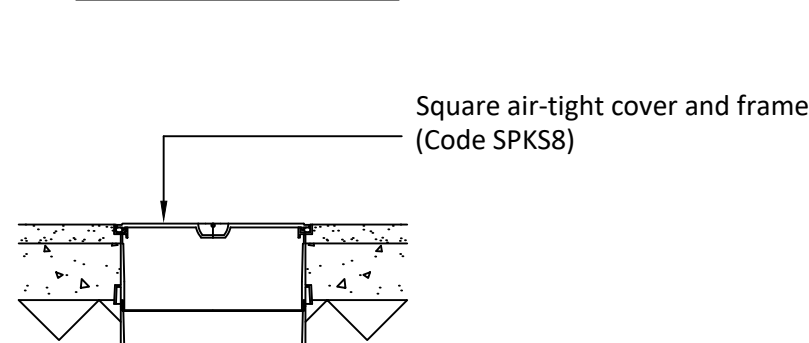


Sited in Driveways / Hard Landscaped areas
with standard round cover

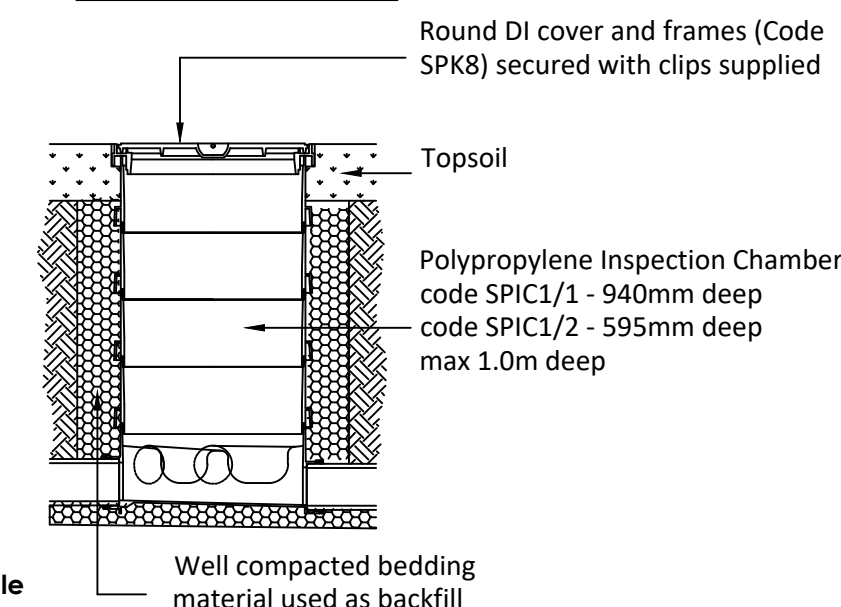


**Type PPIC (Polypropylene) Manhole
Typical Sections**
(Scale 1:20)

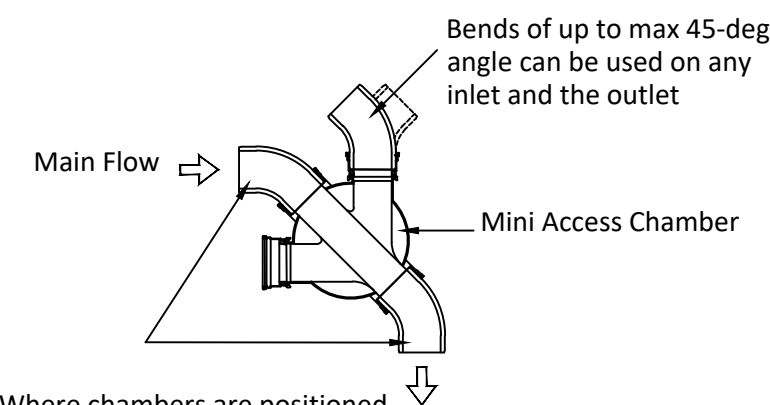
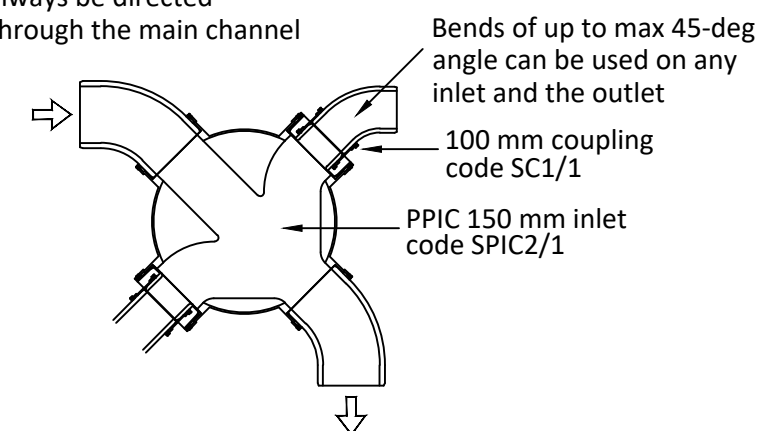
Sited in concrete floor slab



Sited in Soft Landscaped areas
with standard round cover

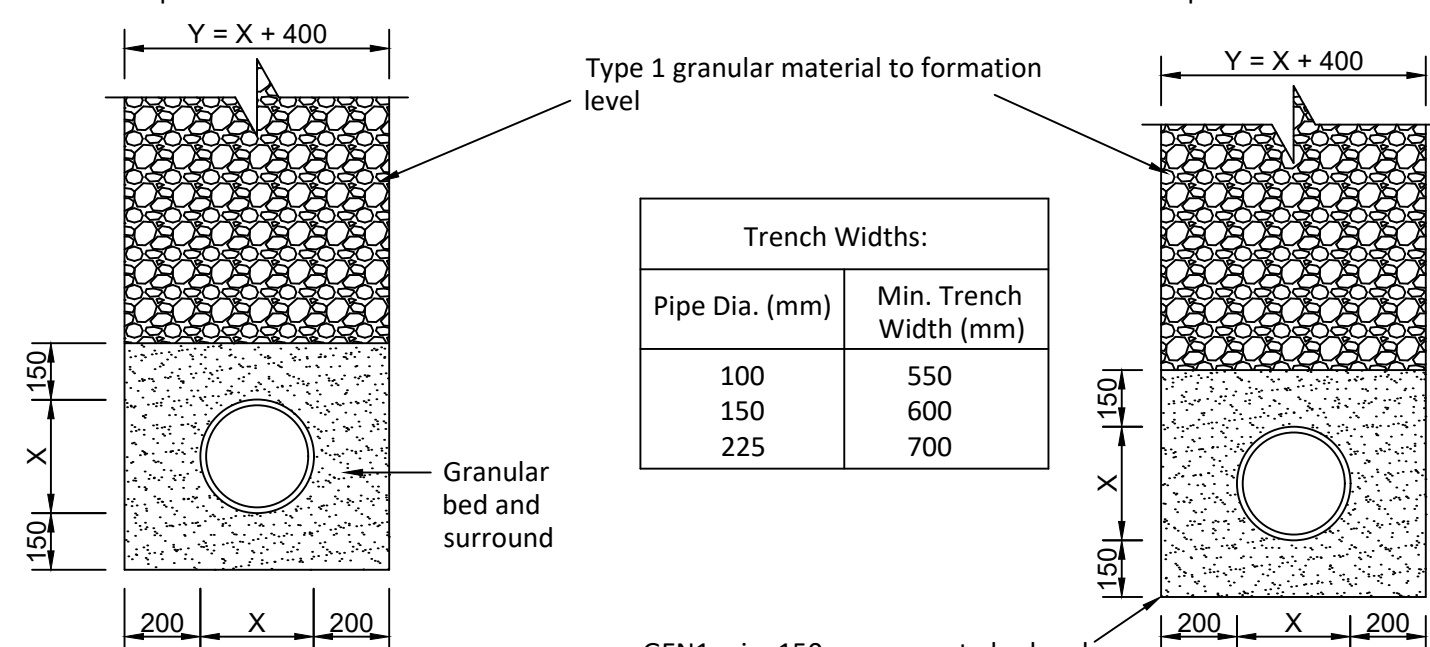


Heaviest flow should
always be directed
through the main channel

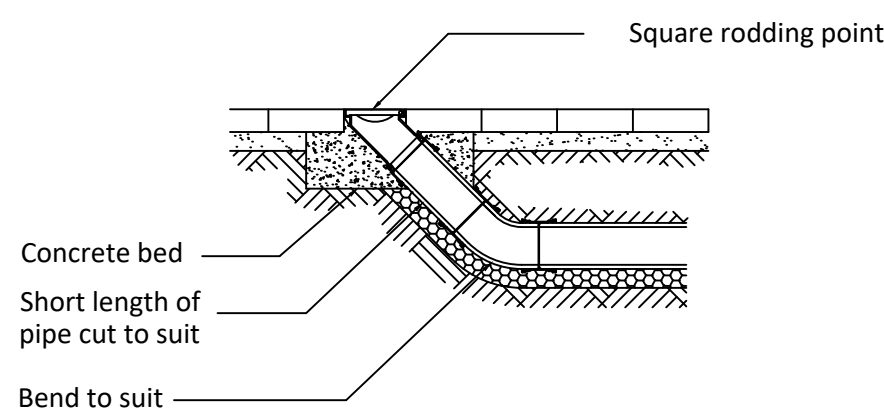


Where chambers are positioned
on 90-deg corners, use the main
channel by fitting 45-deg bends
on both inlet and outlet

Pipes with cover less than 900mm to be in accordance with clause 5.15.8 of LCC Road specification 2016



Pipe bedding detail underneath private land
(Scale 1:20)



Rodding Eye Detail
(Scale 1:20)

Do not scale directly from this drawing. All discrepancies are to be brought to the attention of the below office.

The copyright to this drawing is owned by studio 11 architecture.

The General Contractor is to check all dimensions on site and report discrepancies to the designer.

The details and information shown hereon relating to existing underground drains, main services, cables, etc., and existing structural details, are as obtained by normal survey observation method. Although all reasonable effort has been made, no guarantee can be made or given for the completeness or accuracy of this information.

STANDARD DRAINAGE NOTES:

1. Adaptable pipes with cover less than 1200mm to be Ductile Iron.
2. Adaptable Pipes with cover more than 1200mm to be Vitrified Clay.
3. All pipe materials below adaptable Highways to be Vitrified Clay or Ductile iron or concrete.
4. All pipe materials for private drainage outside of adopted Highways to be PVC.
5. All gravity pipe runs to be tested to a standing head of 1500mm head of water above the invert at the head of the pipe run (but not exceeding 4000mm of the lower end)
6. For details of bed and surround requirements refer to long-sections and standard details. In all other situations provide 150mm of 10mm single-sized rounded gravel bedding and surround.
7. Except where specifically shown otherwise, pipes to be a minimum of 1200mm below roads/driveways and 900mm below gardens/fields.
8. Ventilating pipes to be provided at the head of each drain and to any branch longer than 6m where a single appliance is connected, or 12m where a group of appliances is connected.
9. Step-ions shall not be fitted in any chambers unless specified otherwise.
10. Manhole/Gully covers shall be regulated to suit finished levels and crossfalls
11. All proprietary items to be installed in strict compliance with manufacturers instructions and recommendations
12. Drains passing beneath buildings to have minimum 100mm granular fill or flexible filling around pipe. Where the pipe crown is within 300mm of the underside of the slab, pipe shall be encased in concrete integral with the slab.
13. Drains passing through walls below ground level to have minimum 50mm clearance all round and opening in walls to be masked all round with rigid sheet material to prevent ingress of fill or vermin. Openings in walls for pipes shall have concrete lintels to support wall construction above

A REVISION 07.03.2019 ZIK General amendments.



CLIENT Seagate Homes Ltd

PROJECT Residential development off Station Road, Surfleet

DRAWING Drainage Details-Private

DRAWN	PROJECT DESIGNER	PROJECT DIRECTOR
ZEK	TBP	KB
DATE	SCALE	PAPER SIZE
01.02.2019	VAR	A1

DRAWING NUMBER 428.RS.822

Working in partnership with Ralph Chaman Associates & Eleven Consultants