

Technical Submittal

St William

Designed for life

Project: Clarendon Phase 3

Contractor: GCL

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GCL-DD-ZZ-TS-C-52-0009

Revision: P1

Title: Polypipe – Polysewer Inspection Chambers

Document Contents:

Polysewer Inspection Chambers Data Sheet

Consultant design information used to prepare submittal:

W257-PTA-DE-ZZ-SP-C-01-9001 – Specification for External Works

Specification divergence:

Yes

☐

No

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If yes, provide reasons:

Consultant Review:

Consultant

Date

Status

St William Review:

Department

Date

Status

Polysewer Inspection Chambers are a range of 460mm modular polypropylene inspection chambers. Both of the chambers are formed with a pre-benched base, side risers, seals and cover & frames.

They provide a method of non-man-entry access to either non-adoptable or adoptable sewers for inspection and maintenance purposes.



Polysewer Inspection Chambers are sold in component parts to be assembled on site. The base units are connected to Polysewer pipes, then side risers are used to build the chamber to the necessary height and can easily be cut to the correct level using a fine tooth saw. A seal ring is used to ensure a leak tight joint. Cover and frames are available in a range of load classifications.

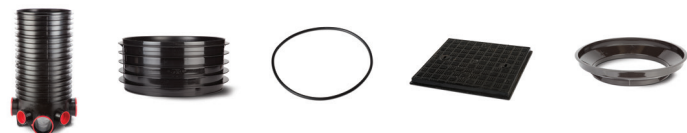
Performance

Polysewer Inspection Chamber for adoptable applications is designed in accordance with Sewers for Adoption (7th Edition), is manufactured to comply with the test requirements of BS EN 13598, and is suitable for burial depths of up to 3m.

Polysewer Inspection Chamber for non-adoptable applications is designed in accordance with Building Regulations and is suitable for burial depths of up to 1.2m.

460MM ADOPTABLE INSPECTION CHAMBERS

CODE	DESCRIPTION
SFA671	460mm chamber base with 150mm Polysewer main channel, 2 x 110mm EN1401 45° inlets and 2 x 150mm Polysewer 90° inlets (including 2 x 110mm blanking plugs, base and 4 risers - 1060mm high)
SFA441	460mm side riser (215mm high)
UG488	460mm riser sealing ring
UG513	460mm square ductile iron cover and frame [B125]
UG514	460mm restricted access reducer to 350mm



KM585205

460MM NON-ADOPTABLE INSPECTION CHAMBERS

CODE	DESCRIPTION
PS670	460mm chamber base with 150mm Polysewer main channel, 2 x 110mm EN1401 45° inlets and 2 x 150mm Polysewer 90° inlets (base - 258mm high)
UG431	460mm side riser (215mm high)
UG488	460mm riser sealing ring
UG510	460mm square polypropylene cover and 65mm deep frame [A+] (c/w seal, fixing screws and 350mm restrictor ring)
UG513	460mm square ductile iron cover and frame [B125]



Note:

A+ = Tested to withstand 35kN test load (Light vehicular traffic)
C = Tested to withstand 10kN test load (Non vehicular traffic)
B125 = Class B125 load category of BS EN 124-1:2015 (Light vehicular traffic)

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