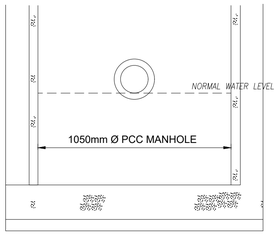
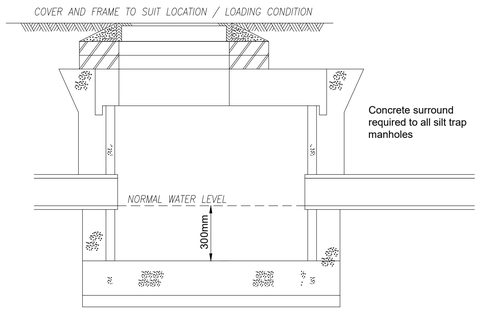
IL shown on design are for the incoming pipes not the inverts of the siltrap manhole or the soakaway.



During initial period of operation silt trap manhole must be inspected at monthly intervals to assess silt build up in sump, to enable planned maintenance procedures to be formulated

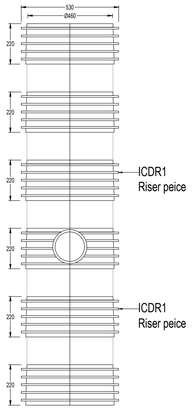
Class b 600x600 manhole cover to silt trap opening.
cover frame to be resin bolted onto class b engineering brick



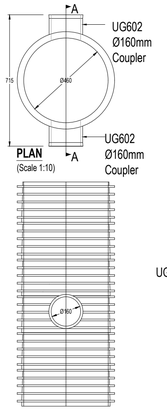
Concrete surround required to all silt trap manholes

Detail shown is for pcc manhole rings.
Client may choose to use preformed silt trap manholes if preferred.

SILT TRAP DETAILS
NTS



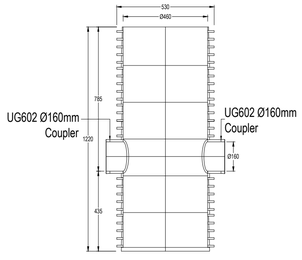
EXPLODED ELEVATION
(Scale 1:10)



PLAN
(Scale 1:10)

ELEVATION
(Scale 1:10)

COVER AND FRAME	PRODUCT CODE
460mm (round) cover & frame	UG511
460mm (square) cover & frame	UG512
Polypropylene cover & frame	ICDC1



SECTION A-A
(Scale 1:10)

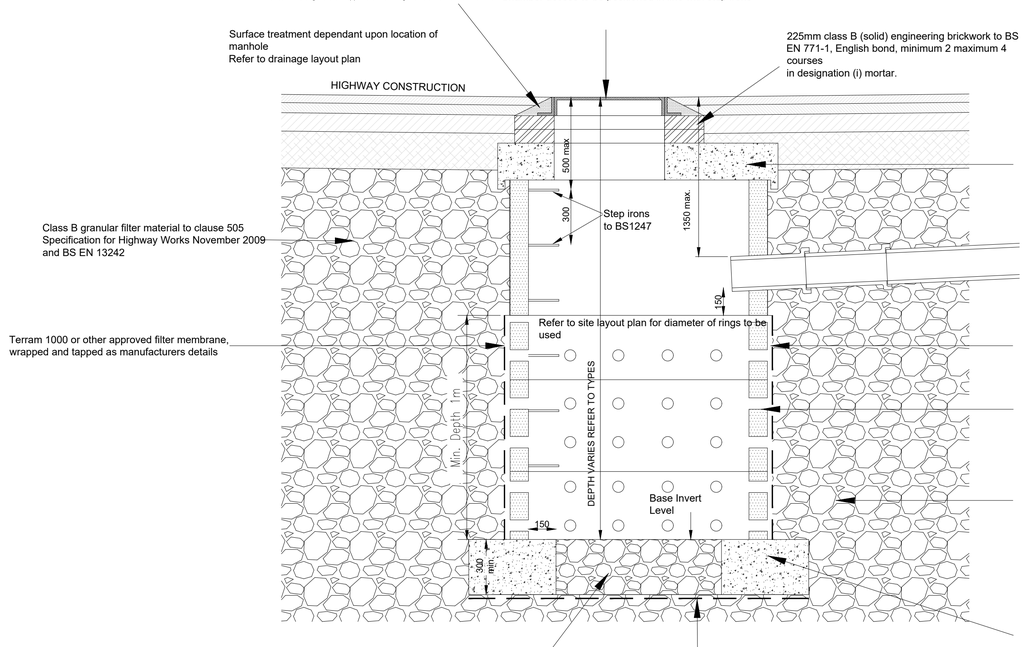
Polypipe upto max depth to invert of 1.22m RIDGISTORMSeperate Silt Traps (Basic Silt Trap) or similar
NTS

150mm deep manhole cover and frame to loading appropriate for location of manhole as follows : -
Garden Areas - class A15
Driveways - class B125
Highways - class D400
Minimum clear opening to be 600mm x 600mm
All products to be ductile iron to BS EN 124
Chamber access to be positioned in line with step irons

Mortar designation (i) haunching to cover and frame

Surface treatment dependant upon location of manhole
Refer to drainage layout plan

225mm class B (solid) engineering brickwork to BS EN 771-1, English bond, minimum 2 maximum 4 courses
in designation (i) mortar.



Pre-cast concrete cover slab to BS 5911-3 : 2002 & BS EN 1917 : 2002

Class B granular filter material to clause 505 Specification for Highway Works November 2009 and BS EN 13242

Inlet pipework, refer to drainage layout for diameter

2 No. rocker pipes to outside of manhole rings

Terram 1000 or other approved filter membrane, wrapped and tapped as manufacturers details

Terram 1000 or other approved filter membrane, wrapped and tapped as manufacturers details

Pre-cast concrete soakaway rings to BS 5911-3 : 2002 & BS EN 1917 : 2002
to be used below the lowest incoming pipe invert.
Perforated ring section to be min. 1m deep.

Manholes to be located with square pits to dimensions shown on drainage layout plan.
Surround to manholes to be
class B granular filter material to clause 505 Specification for Highway Works November 2009 and BS EN 13242

ST4 concrete foundation to base of manhole rings to clause 2602 of Specification for Highway Works May 2005

Terram 1000 or other approved filter membrane, wrapped and tapped as manufacturers details

300mm minimum class B granular filter material to clause 505 Specification for Highway Works November 2009 and BS EN 13242
Base of manhole to be left open to allow for vertical infiltration in to sub-grade

All concrete and concrete products to have sulphate resistant cement

Soakaways to be located as shown on drainage layout plan within the porous material identified within the BSL test reports
If in doubt ASK !

SOAKAWAY DETAILS
NTS

GENERAL

1. All adoptable sewers and associated works are to comply fully with "Sewers for Adoption" 7th.Edition dated August 2012.
2. All highway works to be to adoptable standards and to to comply fully with the Local Authority specification.
3. All private drainage works are to comply fully with part H of the Building Regulations
4. All existing invert levels to be checked by the Contractor at the start of works and any discrepancies notified to REFA.
   All levels are based on topographical survey information provided by others.
5. All materials to bear the relevant B.S.Kitemark and comply fully with the specifications.
   All concrete & concrete products must use Sulphate resistant cement (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur)
6. All opening notices etc. as required under highways acts etc. are to be obtained prior to commencement of works.
   All works are to be inspected by L.A., NHBC or Relevant Water Authority as applicable.

C.D.M. REGULATIONS 2015

In line with the above regulations we are obliged to inform the Client of their responsibilities under section CDM 15/1, and residual risks that may be encountered in the construction of these works.
All design work has been carried out with Health and Safety aspects given full consideration.
Wherever possible risks have been eliminated from the design, however due to the very nature of this type of work it is not possible to remove all the risks from the design.
We would also respectfully remind the Client of his obligations to take all reasonable steps in ensuring that only competent Contractors who have a valid safety policy are employed.
They should also provide satisfactory responses at tender stage as to the manner in which they will deal with the elements of risk involved in this type of work and in particular those highlighted by REFA below:-

1. Support / treatment for ALL excavation work.
2. Guarding to edges of excavations to prevent people,materials and vehicles falling into excavation.
3. Guarding of excavations outside working hours to prevent unauthorised access.
4. Undermining to adjacent roads or structures.
5. Confined space operations.
6. Dealing with existing services.
7. Traffic management on existing highways.
8. Procedure to be followed in event of accident or emergency.
9. Method of working where contaminated ground is present on site.
10. Confirmation will be required that all operatives are adequately trained, copies of relevant training certificates to be supplied.

The above list is by no means exhaustive but it does highlight operations that present a risk to contractors and the general public.
For clarification on any item please contact REFA.

rev	Revision details	Rev.By	Date

smas worksafe consultant www.smasltd.com — SSIP SAFETY SCHEMES IN PROCUREMENT

Drawing Stage		Drawing Status		
	Draft		Comments	Tender
●	Issued	●	Information	Construction
			Approval	As Built

Client
SG ESTATES LIMITED

Job title
WATTS DYKE RD LLAY PHASE 2

Drawing title
SOAKAWAY DETAILS

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CIVIL • STRUCTURAL
GEOTECHNICAL • ENVIRONMENTAL

Date	Scale	Drawn
18.04.24	N.T.S	AS

DRAWING No 24053/103/2 — Rev

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A1 SHEET