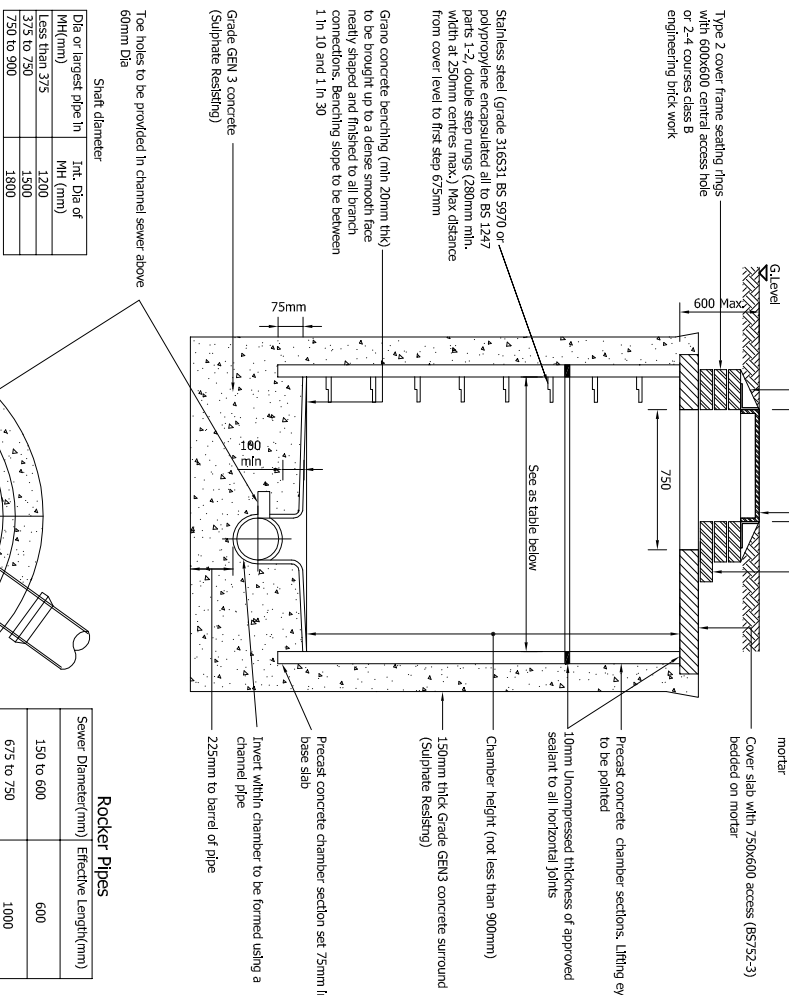
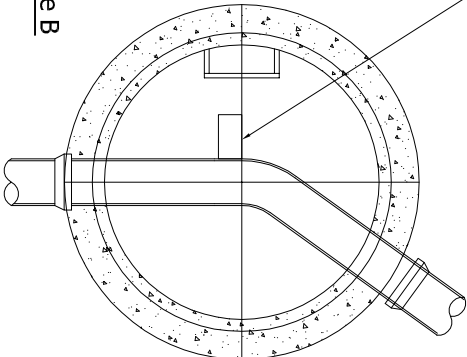


- Class M1, M2, OZ epoxy mortar _____
- 600 mm
- clear opening
- Ductile iron cover and frame to be BS EN124, pedded on class M1, M2 or epoxy mortar. Approved packing material may be used if required
- Type 1 cover frame sealing ring with 600x600 eccentric access hole (BS752-3) pedded on



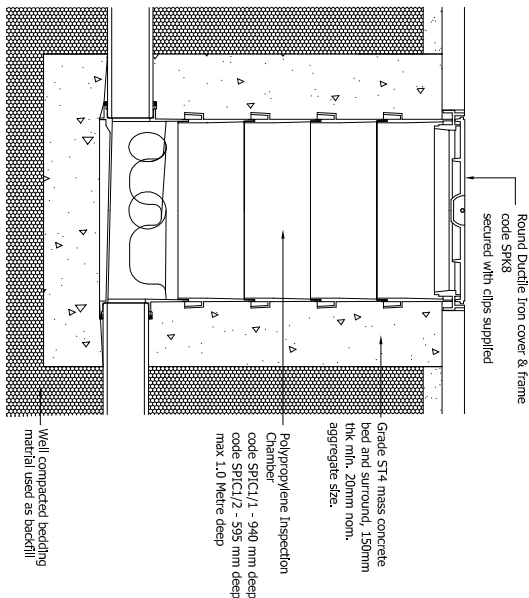
Sewer Diameter(mm)	Effective Length(mm)
150 to 600	600
675 to 750	1000
825 and Over	1250

shall have a flexible joint within 600mm of the inside face of the manhole. The next pipe shall be a short "rocker pipe" with length as table below



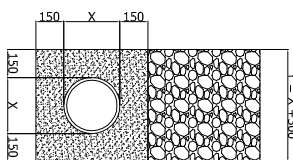
Typical Manhole Detail - Type B

Depth to soffit less than 3.0m



PPIC IN ACCESS RD & CARPARK AREAS

(Scale 1:10)



**General backfill to drainage trenches in vehicular trafficked areas above the pipe bedding detail shall be suitably selected material (in accordance with BS8301 Clause 5.7, 6.1) and placed in layers not exceeding 225mm, each layer compacted to form a suitable trench matrix, should the material be unsuitable or weather conditions affect the material's stability, then a hard granular material shall be used up to formation level.

****General backfill or type 1 granular backfill material compacted in layers no greater than 150mm to formation level**

Granular material compacted in layers greater than 150mm to formation level

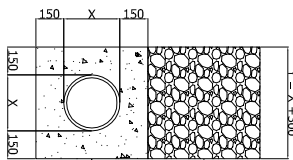
TYPE 'S' BEDDING

(Scale 1:20)

Note

Applicable where pipework has more than 1200mm cover under trafficked areas or more than 600mm under non-trafficked areas

Vitrified clay pipes to BS 65: 1988 to classes S standard strength



****General backfill or type 1 granular backfill material compacted in layers no greater than 150mm to formation level**

Mix ST4 concrete to S.H.W. CL. 2602

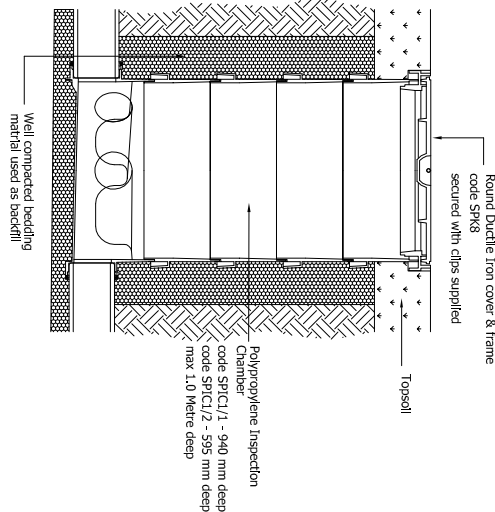
TYPE 'Z' BEDDING

(Scale 1:20)

Notes:

Applicable where pipework has less than 1200mm cover under trafficked areas or less than 600mm under non-trafficked areas.

Surround to be used for gully and kerb drainage outlets.



PPIC IN SOFT LANDSCAPED AREAS

(Scale 1:10)

Where PPIC manholes are deeper than 1.2m Reduced Access Telescopic PPIC's by Hepworth or similar approved are to be used.

- ### Notes
1. Do not scale this drawing.
 2. All dimensions are in millimetres unless stated otherwise.
 3. This drawing to be read in conjunction with all other relevant drawings and specifications.
 4. All proprietary items to be installed in strict compliance with manufacturers instructions and recommendations.

P4	Attenuation Pond removed	PM	01.04.15
P3	Minor extensions	PM	27.03.15
P2	Typical Backdrop Detail added	PM	23.03.15
P1	Preliminary Issue	PM	11.03.15
Rev	Amendments	Rev'd by	Date

Ashley King (Developments) Ltd.

Project	Residential Development, Peterborough Road, Crowland
Title	Drainage Details Sheet 1 of 2
Job No	1415-0137
Drawing No	1415-0137-WDK-C-321
Rev	P4
Status	Preliminary
Scale	AS SHOWN
Date	Jan. '15
Project Engineer	Drawn By PM
GPD	Checked By GPD
	Approved By GPD