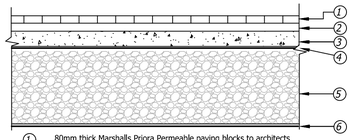
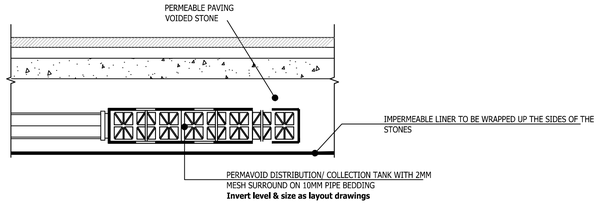
PERMEABLE BLOCK PAVING



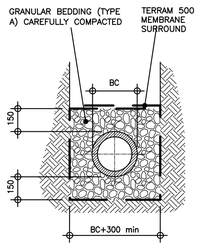
1. 80mm thick Marshalls Priora Permeable paving blocks to architects colour spec or similar approved.
2. 50mm thick 2-6.3mm laying coarse of clean angular hard stone no fines.
3. 90mm thick Base, Dense Asphalt Concrete, AC32 Dense Base, 40/60 Pen to BSEN13108-1. Perforated with 50mm dia. holes at 0.8m centres both ways and filled with 5mm size clean stone
4. Terram Inbitex geotextile over compacted sub-grade.
5. Sub-base, 4-20mm clean angular hard stone no fines non-degradable aggregate material with very good compressive value and LA co-efficient (30% voids). Sub-base depth to be sized to 1 in 100 year storm + climate change. Depth subject to CBR value of formation.
6. SC Intergrid (if required) or similar approved & Permavoid Geomembrane or equivalent approved impermeable liner to be wrapped up the sides of the stones.

Note:
Permeable blocks to be laid in Herringbone pattern with double stretcher bond against kerblines.

Permeable stone specifications as BS 7533 part 13

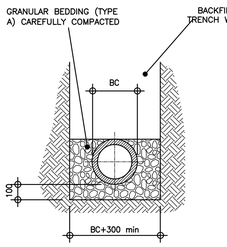


DISTRIBUTION/ COLLECTION TANK



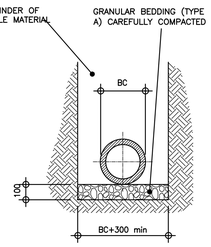
GRANULAR SURROUND

TO BE USED WHERE PIPE PASSES WITHIN 3M OF NEW OR EXISTING TREES UNLESS PIPE REQUIRED CONCRETE SURROUND



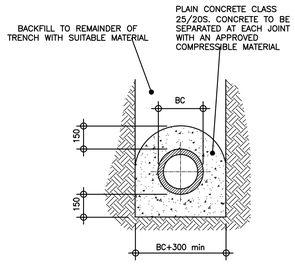
GRANULAR SIDE FILL

TO BE USED WHERE COVER TO CROWN OF PIPE IS GREATER THAN 900mm UNDER ROADS, FOOTWAYS & HARDSTANDINGS



GRANULAR BED

TO BE USED WHERE COVER TO CROWN OF PIPE IS GREATER THAN 600mm IN LANDSCAPED AREAS

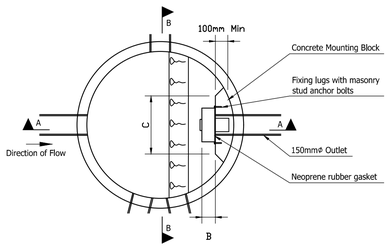


CONCRETE SURROUND

TO BE USED WHERE COVER TO CROWN OF PIPE IS LESS THAN 900mm UNDER ROADS, FOOTWAYS & HARDSTANDINGS AND LESS THAN 600mm IN LANDSCAPED AREAS

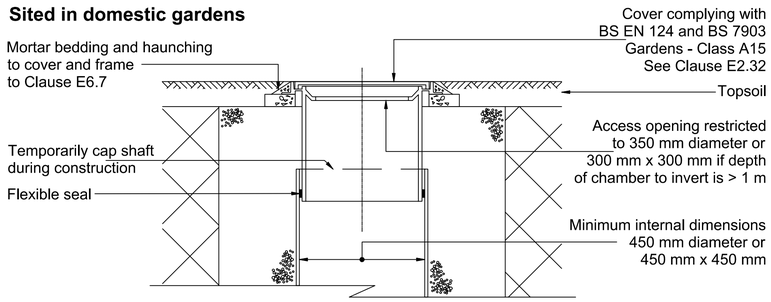
GRANULAR BEDDING TYPE A – SHALL CONSIST OF AGGREGATES FROM NATURAL SOURCES OR SINTERED PULVERISED FUELASH COMPLYING WITH THE RELEVANT PROVISIONS OF BS 882 AND BS 3797 PART 2 RESPECTIVELY. TO BE SIZED ACCORDING TO PIPE DIAMETER TO APPROVED DOCUMENT H OF THE BUILDING REGULATIONS –
5mm TO 10mm SIZE MATERIAL FOR 100mm PIPES, 14mm FOR 150mm PIPES & 20mm FOR PIPES 150–600mm.

PIPE BEDDING DETAILS



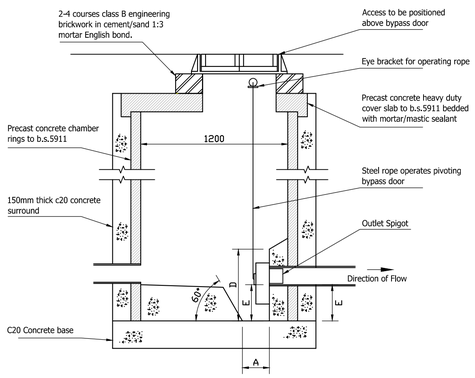
PLAN

Sited in domestic gardens

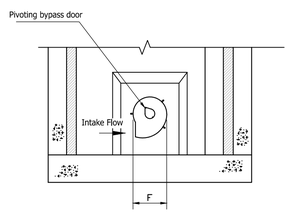


Note: Where the access chamber is in the highway the Highway Authority can have specific requirements

Not to scale



SECTION A-A



SECTION B-B

HYDROBRAKE MANHOLE DIMENSIONS

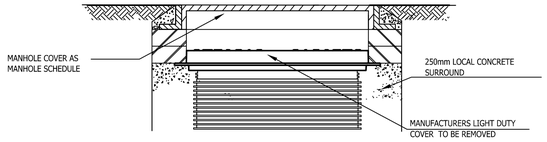
Reference	0050-1000-0750-1000	0049-1000-0800-1000
A	110mm	110mm
B	55mm	55mm
C	510mm	505mm
D	655mm	650mm
E	270mm	265mm
F	305mm	300mm

NOTES

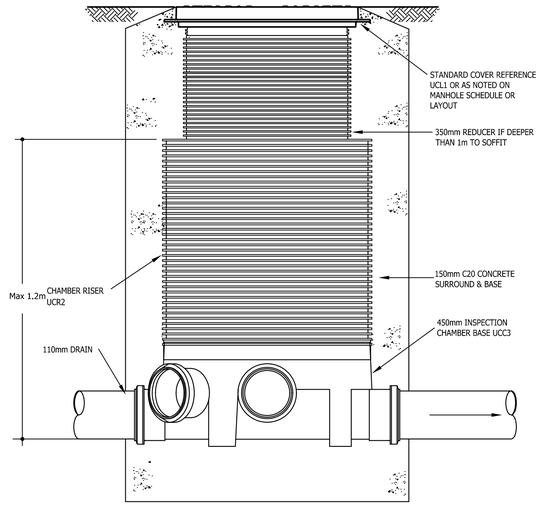
1. ROCKER PIPES 600mm LONG FOR 100 TO 450 DIA PIPEWORK (1000mm LONG UP TO 750DIA) ON OUTLET AND EACH ENTRY STARTING 150mm FROM CONCRETE SURROUND.

2. DETAIL TO BE READ IN CONJUNCTION WITH GUIDELINES FROM HYDRO INTERNATIONAL PLC.

TYPICAL HYDROBRAKE MANHOLE - REFER TO TABLE FOR DIMENSIONS

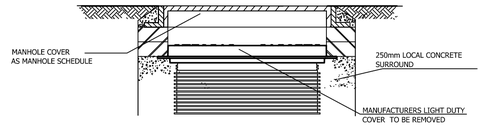


INSPECTION CHAMBER LOCATED CAR PARK AREAS.

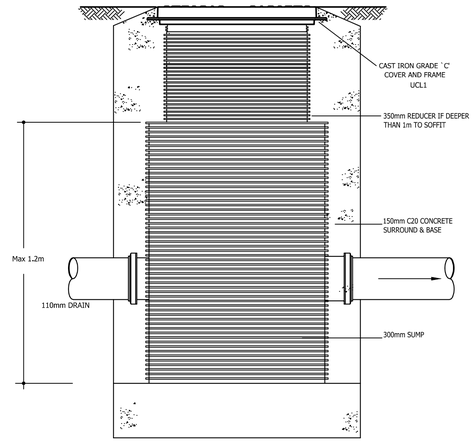


NOTE! ANY 450mm INSPECTION CHAMBER WITH A DEPTH EXCEEDING 1.2m THE INSPECTION CHAMBER MUST REDUCE TO 350mm dia AT THE 1.2m DEPTH TO THE COVER LEVEL. AS DETAIL ABOVE.

INSPECTION CHAMBER - D202.6

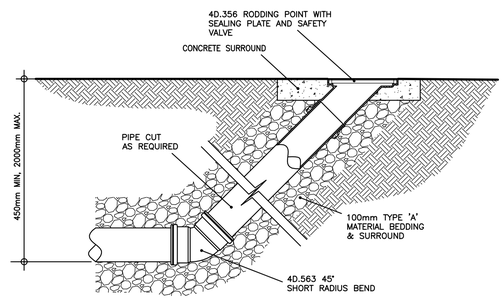


INSPECTION CHAMBER LOCATED CAR PARK AREAS.



NOTE! ANY 450mm INSPECTION CHAMBER WITH A DEPTH EXCEEDING 1.2m THE INSPECTION CHAMBER MUST REDUCE TO 350mm dia AT THE 1.2m DEPTH TO THE COVER LEVEL. AS DETAIL ABOVE.

CATCHPIT



TYPICAL RODDING POINT DETAIL

GENERAL NOTES

1. The location, size, depth and identification of existing services that may be shown or referred to on this drawing have been assessed from non intrusive observations , record drawings or the like. The contractor shall safely carry out intrusive investigations, trial holes or soundings prior to commencing work to satisfy himself that it is safe to proceed and that the assessments are accurate. any discrepancies shall be notified to gta prior to works commencing.

2. Tender or billing drawings shall not be used for construction or the ordering of materials.

3. Do not scale. All dimensions and levels to be site confirmed.

4. This drawing shall be read in conjunction with all relevant architects, consultants drawings and specifications, together with H&S plan requirements.

5. Copyright : This drawing must not be copied, amended nor reproduced without the prior written agreement of gta.

6. All drawings specifications and recommendations made by gta are subject to Local Authority and other relevant Statutory Authorities approval. Any works or services made abortive due to the client proceeding prior to these approvals is considered wholly at the Clients risk. gta hold no responsibility for resulting abortive works or costs.

Rev	Amendments	Date	Dsn	Chk
P4	PP LINER AND IC DETAIL AMENDED	18/05/21	FVV	JP
P3	PP LINER AMENDED	17/05/21	FVV	MR
P2	SECOND ISSUE	14/05/21	FVV	PH
P1	INITIAL ISSUE	07/05/21	KW	PH

Status: PRELIMINARY

Client: MR & MRS K LILLYWHITE

Architect: SLOANE & BROWN

Project: WANDLEYS FARM
WANDLEYS LANE, FONTWELL

Title: DRAINAGE DETAILS

Date: FEBRUARY 2021 | Scale @ A1: Not to scale

Clients Ref. | Project Ref.: 11117

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Drawing Number: 11117/1103 | Rev.: P4