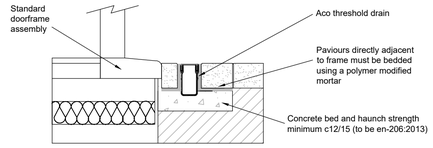


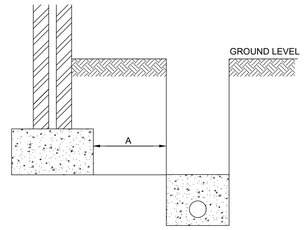
Drainage with more than
600mm cover - Landscaped
900mm cover - Roads
(Unless bedding type is stated on the drainage plans or specification)

Drainage with less than
600mm cover - Landscaped
900mm cover - Roads
(Unless bedding type is stated on the drainage plans or specification)

Pipe bedding details in private Areas

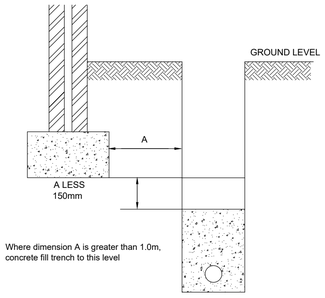


Aco Threshold Drain
(1:20)



Where dimension A is less than 1.0m, concrete fill trench to level of underside of foundations.

Pipes near buildings

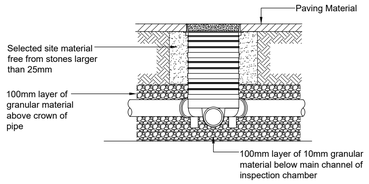


Where dimension A is greater than 1.0m, concrete fill trench to this level

Pipes near buildings

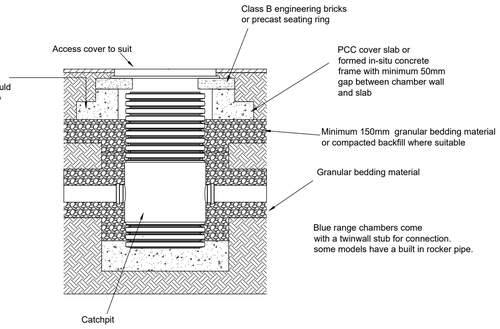
STANDARD EXTERNAL WORKS NOTES

1. DO NOT SCALE FROM THIS DRAWING. REFER TO FIGURED DIMENSIONS ONLY. THE CONTRACTOR SHOULD CHECK ALL DIMENSIONS ON SITE.
2. ALL DIMENSIONS IN MILLIMETRES AND ALL LEVELS ARE IN METERS UNLESS NOTED OTHERWISE.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT AND ENGINEERING DETAILS, DRAWINGS AND SPECIFICATIONS.
4. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT AND/OR ENGINEER IMMEDIATELY, SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
5. SOFT SPOTS TO BE REMOVED AND FILLED TO A MINIMUM DEPTH OF 600mm WITH 6F1/6F2 MATERIAL AND PROOF ROLLED PRIOR TO CONSTRUCTION
6. TYPE 1 SUB BASE MATERIAL SHALL BE IN ACCORDANCE WITH CLAUSE 803 OF THE SPECIFICATION FOR HIGHWAY WORKS (SHW) WITH A MINIMUM LAB CBR OF 30%
7. TYPE 6F1/6F2 CAPPING MATERIAL SHALL BE IN ACCORDANCE WITH CLAUSE 613 OF THE SHW WITH A MINIMUM LAB CBR OF 15%
8. ALL ACCESSES TO COMPLY WITH PART M OF THE BUILDING REGULATIONS AS DESIGNED. IF IN DOUBT ASK ENGINEER.
18. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THE LOCATION AND DEPTH OF ALL EXISTING SERVICES AND UTILITIES THAT MAY BE PRESENT

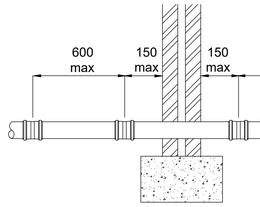


300mmØ SHALLOW INSPECTION CHAMBER DETAIL

150mm x 150mm concrete surround required for support of cover and frame. Where the inspection chamber is being installed on a driveway subject to light vehicular traffic, or where B125 covers are being used, the concrete support should be 300mm wide x 225mm deep

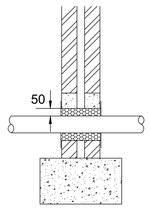


450mmØ/600mmØ Turtle Enviro Silt Trap Detail



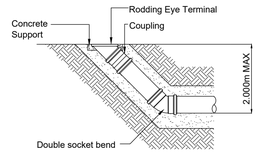
A. Short length of pipe bedded in wall with joints formed within 150mm of each wall face. Adjacent rocker pipes of 600mm max. length with flexible joints.

Pipes through wall detail

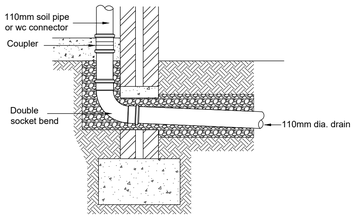


B. Arch or lintelled opening to give min 50mm space all round the pipe. Mask opeing on both sides of the wall with rigid sheet material to prevent entry of fill or vermin. Important Fill void with compressible material to prevent entry of gas.

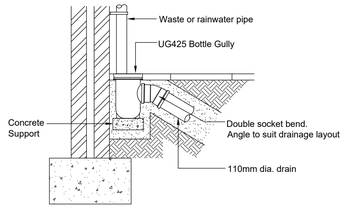
Pipes through wall with lintel detail



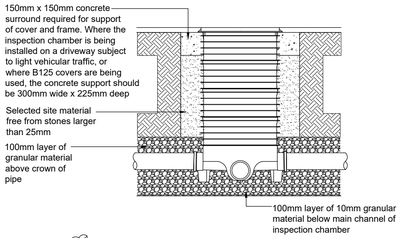
Rodding eye detail

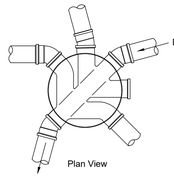


Soil pipe / wc connection



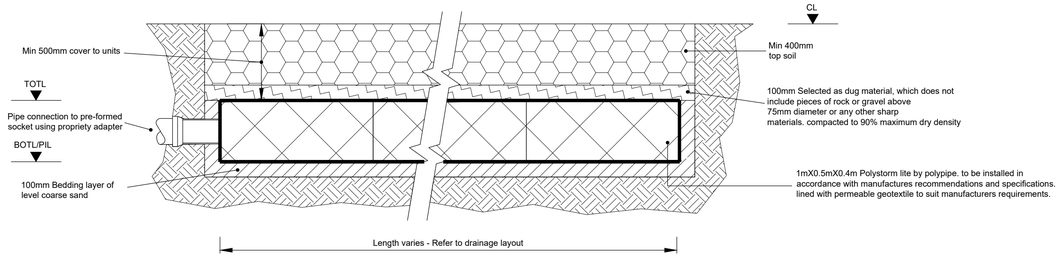
Bottle gully detail





1. In all installations, the main channel of the inspection chamber should always be used. Where the chamber is being used as a change of direction for the drainage system, short radius bends of 11¼°, 15°, 30° and 45° can be used in the inlet and outlet to achieve the required angle.
2. Side inlet branch connections enter the inspection chamber approx. 55mm above the invert of the main channel
3. 320mm dia. chambers are supplied with 2no. blanking plugs for the side inlets and 460mm dia. chambers are supplied with 3no. blanking plugs.

460mmØ INSPECTION CHAMBER DETAIL



Trench soakaway using Polystorm Lite Geomodular units Landscaped areas only

0.4m deep

All storage tank drainage works shall be carried out in accordance with the specifications, method statements and recommendations of Polypipe

REV	DATE	DESCRIPTION	BY	CHK	APP
P1	19.1.23	STAGE 3 ISSUE – FOR COMMENT	SFC	CS	CS

OCE
OWENS CONSULTING ENGINEERS LTD
26 BRAMLEY WAY
ANGMERING, LITTLEHAMPTON
BN16 4GA
TEL 01903 774864
ENQUIRIES@OWENS-CONSULTING.CO.UK

CLIENT: CHEESEMUR LTD

ARCHITECT: CITYZEN

JOB TITLE: LECONFIELD ROAD LANCING

DRAWING TITLE: DRAINAGE CONSTRUCTION DETAILS

JOB No.	SCALE @ A1	DATE
	1:20	JAN '23

DRAWN	ENGINEER	CHECKED	APP
SFC	SFC		

STATUS: S0 WORK IN PROGRESS

REVISION: P1 RIBA STATUS: STAGE 3 – DEVELOPED DESIGN

DRAWING No.: 2022-151-3-500