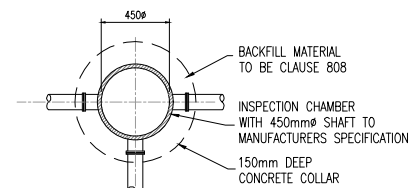
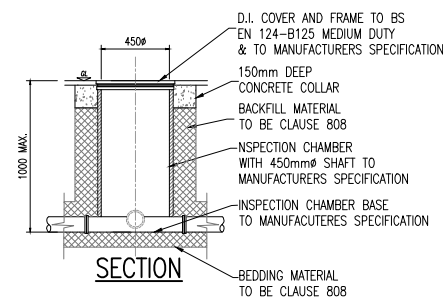
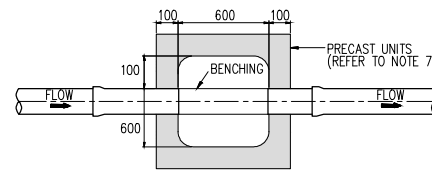
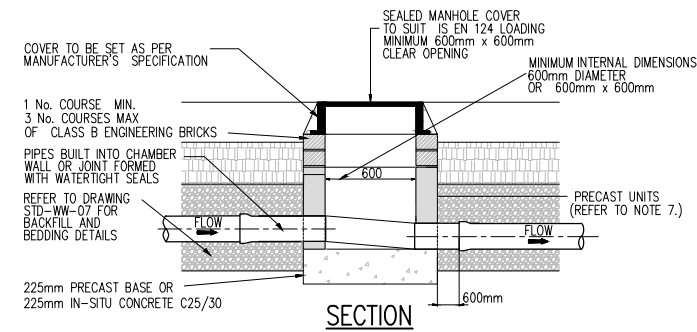


| PIPE SIZE (mm) | GRADIENT |
|----------------|-----------------|
| 100 | 1 : 60 |
| 150 TO 225 | 1 : 150 MINIMUM |

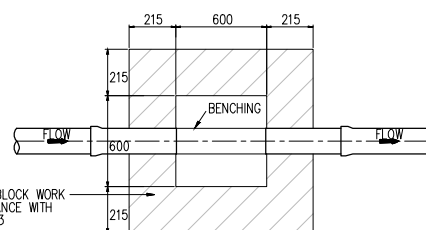
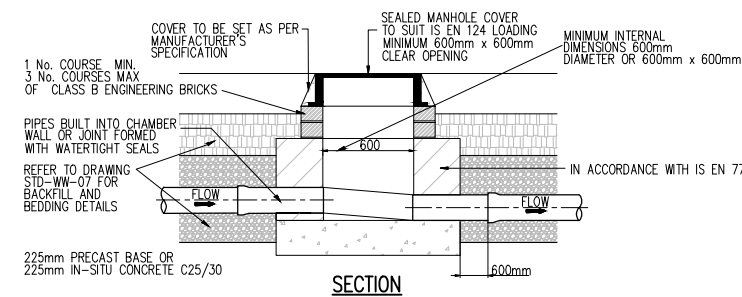
DRAIN AND SERVICE CONNECTION PIPEWORK
SCALE 1:25



CIRCULAR INSPECTION CHAMBER WHERE INVERT IS 1m OR LESS BUILDING REGULATIONS TGD SECTION H TABLE 9
SCALE 1:25



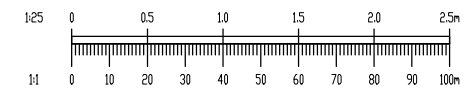
FLOOR PLAN INSPECTION CHAMBER (PRECAST CONCRETE CONSTRUCTION)
SCALE 1:25



FLOOR PLAN INSPECTION CHAMBER (BLOCK WORK CONSTRUCTION) PRIVATE SIDE INSPECTION CHAMBER
SCALE 1:25

NOTES:

- ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
- AN INSPECTION CHAMBER SHOULD BE LOCATED AT OR WITHIN 1m OF THE PROPERTY BOUNDARY AT THE UPSTREAM END OF EACH SERVICE CONNECTION ON THE PRIVATE SIDE OF THE CURTLAGE, IF PRACTICABLE. CONSULT WITH IRISH WATER ON ALTERNATIVE LOCATIONS
- ANY PIPE AND ASSOCIATED ACCESS UPSTREAM OF THE POINT OF CONNECTION TO A PUBLIC SEWER IS A PRIVATE DRAIN AND SHOULD BE CONSTRUCTED IN ACCORDANCE WITH THE BUILDING REGULATIONS.
- ACCESS POINTS SHOULD BE LOCATED SO THAT THEY ARE ACCESSIBLE AND APPARENT TO THE MAINTAINER AT ALL TIMES FOR USE. THEY SHOULD AVOID REAR GARDENS OR ENCLOSED LOCATIONS AND THEY SHOULD NEVER BE OVERLAIN WITH SURFACE DRESSING, TOPSOIL, ETC.
- COVERS AND FRAMES SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS SUBJECT TO APPROVAL FROM IRISH WATER.
- 200mm ALL AROUND, 100mm DEEP CONCRETE PLINCH WITH PROTECTIVE STAINLESS STEEL METAL BAND AROUND COVERS IN GREEN AREAS.
- PROPRIETARY PREFABRICATED CHAMBER UNITS MAY ALSO BE USED, SUBJECT TO APPROVAL FROM IRISH WATER.
- CHAMBERS SHALL BE SURROUNDED BY A MINIMUM OF 150mm COMPACTED CLAUSE 804 OR CLAUSE 808 MATERIAL AS PER STD-WW-07.



| REV. | DATE | AMENDMENT | DRN | APPD |
|------|------|-----------|-----|------|
| | | | | |

STATUS **FOR PLANNING ONLY NOT FOR CONSTRUCTION**

Waterman Moylan
Engineering Consultants

BLOCK S, EASTPOINT BUSINESS PARK, ALFIE BYRNE ROAD, DUBLIN D03 K7W7 IRELAND.
Tel: (01) 864 8900 Fax: (01) 861 3618
Email: info@waterman-moylan.ie www.waterman-moylan.ie

CLIENT **KW PRS ICAY ACTING FOR AND ON BEHALF OF ITS SUB-FUND KW PRS FUND 10**

ARCHITECT **O'MAHONY PIKE ARCHITECTS**

PROJECT **LANDS AT THE GRANGE, BREWERY ROAD, STILLORGAN, BLACKROCK, CO. DUBLIN**

TITLE **PRIVATE FOUL WATER DRAINAGE DETAILS**

| DRAWN | DESIGNED | APPROVED | DATE |
|----------|------------|----------|----------|
| NG | MI | JG | AUG. '19 |
| SCALE | JOB NO. | DRG. NO. | REVISION |
| AS SHOWN | 0A1 18-093 | P234 | |

© 2017. This drawing is copyright. No part of this document may be reproduced or transmitted in any form or stored in any retrieval system of any nature without the written permission of the consulting engineer or copyright holder except as agreed for use on the project for which the document was originally issued.

| Type | Depth to (m) | Internal Sizes | | Cover Sizes | |
|--------------------|--------------|--------------------------|---------------|--------------------------|---------------|
| | | length x width (mm x mm) | Circular (mm) | length x width (mm x mm) | Circular (mm) |
| Rodding eye | | | | | |
| Access Fitting | | | | | |
| small | 0.6 or less | 150 x 100 | 150 | 150 x 100 | 150 |
| large | | 300 x 100 | - | 300 x 100 | - |
| Inspection Chamber | 0.6 or less | 300 x 300 | 190* | 300 x 300 | 190* |
| | 1.0 or less | 450 x 450 | 450 | 450 x 450 | 450** |
| Manhole | 1.5 or less | 1200 x 750 | 1000 | 600 x 600 | 600 |
| | over 1.5 | 1200 x 750 | 1200 | 600 x 600 | 600 |
| | over 2.7 | 1200 x 840 | 1200 | 600 x 600 | 600 |
| Shaft | over 2.7 | 900 x 840 | 900 | 600 x 600 | 600 |

Note:
* For clayware or plastics may be reduced to 430mm in order to provide support for cover and frame
** Drains up to 150mm