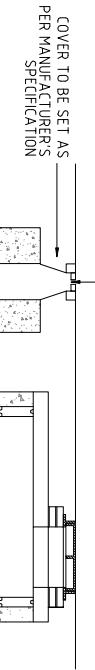


1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
 2. RODDING EYE CHAMBER SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO IS 261 AND BS 5834. COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO THE APPROVAL OF IRISH WATER.
 3. ALL CHAMBERS TO BE CHECKED FOR UPLIFT BY THE DEVELOPER BASED ON GROUND CONDITIONS WITHIN THE SITE. SHOULD ANTI-FLOTAION MEASURES BE REQUIRED THEY SHALL BE SUBJECT TO APPROVAL FROM IRISH WATER.

4. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
 5. MANHOLE DETAILS TO BE IN ACCORDANCE WITH STD-WW-09, 10 AND 11

HEAVY DUTY COVER AND FRAME

D400 (TO SUIT 150mm OPE)



COVER TO BE SET AS
PER MANUFACTURER'S
SPECIFICATION

150mm DIA. PVC PIPE

150mm CONCRETE SURROUND

150mm GRADE C25/30 CONCRETE SURROUND

45° BEND

90° BEND

225mm GRADE C25/30 CONCRETE SURROUND

STOPPER

CHAIN

Y - JUNCTION

150mm GRADE C25/30 CONCRETE SURROUND

45° BEND

90° BEND

225mm GRADE C25/30 CONCRETE SURROUND

STOPPER

CHAIN

150mm DIA. PVC PIPE

150mm CONCRETE SURROUND

TEE JUNCTION

150mm GRADE C25/30 CONCRETE SURROUND

90° BEND

225mm GRADE C25/30 CONCRETE SURROUND

STOPPER

CHAIN

150mm DIA. PVC PIPE

150mm CONCRETE SURROUND

Y - JUNCTION

150mm GRADE C25/30 CONCRETE SURROUND

45° BEND

225mm GRADE C25/30 CONCRETE SURROUND

STOPPER

CHAIN

TYPE No.3

500mm - 900mm DIA. (INCL) DROP GREATER THAN 600mm AND LESS THAN 900mm

500mm - 900mm DIA. (INCL) DROP GREATER THAN 2300mm

500mm - 450mm DIA. (INCL) DROP GREATER THAN 1700mm

500mm - 450mm DIA. (INCL) DROP GREATER THAN 2300mm

500mm - 450mm DIA. (INCL) DROP GREATER THAN 1300mm AND LESS THAN 1700mm

500mm - 900mm DIA. (INCL) DROP GREATER THAN 600mm AND LESS THAN 1300mm

BACKDROP MANHOLES

MANHOLES

1. DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTS DRAWINGS.
2. ALL DIMENSIONS IN MILLIMETRES.
3. SETTING OUT DETAILS TO BE OBTAINED FROM ARCHITECTS DRAWINGS.
4. ARCHITECT TO BE INFORMED OF ANY DISCREPANCIES IMMEDIATELY.
5. ENGINEER TO BE NOTIFIED OF ANY STRUCTURAL CONC. POORS SO THEY MAY BE INSPECTED AND PASSED.
6. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH CURRENT IRISH AND BRITISH STANDARDS.
7. ALL WORKS TO BE CARRIED OUT IN CONJUNCTION WITH CORK COUNTY COUNCIL/IRISH WATER DRAINAGE DEPARTMENT.
8. CONTRACTOR TO KEEP FULL RECORDS OF ALL DRAINS AND CONNECTIONS AND ON COMPLETION FULL AS-BUILT DRAWINGS TO BE PRODUCED BY THE CONTRACTOR.

HINGED DOUBLE LEAF MANHOLE COVER AND FRAME

(ALL CLASS D400 COVERS SHALL HAVE MIN. FRAME DEPTH 150mm OPE 675x675mm)

COVER TO BE SET AS
PER MANUFACTURER'S
SPECIFICATION

1. NO COURSE MIN

3. NO COURSES MAX
OF CLASS B
ENGINEERING BRICKS
SET IN C50/60 MORTAR

TO EN 661

ELASTOMERIC JOINT SEAL

1.3 CEMENT-SAND MORTAR WITH
STAINLESS STEEL CHAIN IN "DOWN"
POSITION SECURED TO RESTRAINING
HOOK WHEN CHAMBER IS OCCUPIED
WHERE THE PIPE DIAMETER IS 450mm
OR MORE

SELF-CLEANING TOE HOLES TO BE
PROVIDED WHERE CHANNEL
EXCEEDS 600mm WIDE

STRUCTURAL DESIGN AND BE SUBJECT TO APPROVAL

7. MANHOLE ROOFS SHOULD CONSIST OF RE-INFORCED CONCRETE SLAB
CHANNELS, BENCHING ETC. SUBJECT TO IRISH WATER APPROVAL AND
COMPLYING WITH BS 5911-PART 4, 2002.

5. STRUCTURAL DESIGN AND REINFORCEMENT DETAILS TO BE PROVIDED
BY THE DEVELOPER AND SUBMITTED TO IRISH WATER FOR REVIEW

6. MANHOLES GREATER THAN 3m IN DEPTH WILL REQUIRE A DETAILED

STRUCTURAL DESIGN AND BE SUBJECT TO APPROVAL

8. COVERS AND FRAMES SHALL BE SUITABLE FOR ROAD AND TRAFFIC

CONDITIONS SUBJECT TO APPROVAL FROM IRISH WATER

9. 200mm ALL AROUND 10mm DEEP CONCRETE PLINTH WITH PROTECTIVE
STAINLESS STEEL METAL BAND AROUND COVERS IN GREEN AREAS.

10. ALL CHAMBERS TO BE CHECKED FOR UPLIFT BY THE DEVELOPER BASED

ON GROUND CONDITIONS WITHIN THE SITE. SHOULD ANTI-FLOTAION

MEASURES BE REQUIRED THEY SHALL BE SUBJECT TO APPROVAL

FROM IRISH WATER.

11. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206 - 2013.

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.

2. PRE-CAST MANHOLES UNITS, COMPLYING WITH REQUIREMENTS OF

IS EN 1917 AND BS 5911-PART 3.

3. THICKER MANHOLE BASES REQUIRED FOR SEWERS IN EXCESS OF

3m DEEP WHERE THE SIZE IS GREATER THAN THE STANDARD MINIMUM SIZE.

4. APPROVED PRE-CAST CONCRETE BASES MAY BE USED INCORPORATING

STRUCTURAL DESIGN AND BE SUBJECT TO APPROVAL

STRUCTURAL DESIGN AND BE SUBJECT TO APPROVAL</