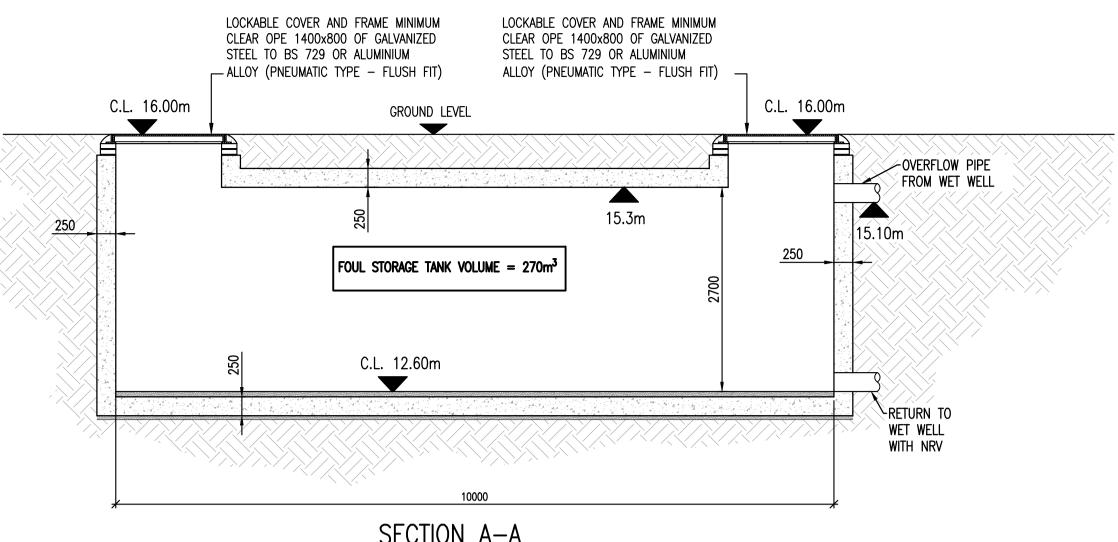


- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
 PRE-CAST MANHOLES UNITS: COMPLYING WITH REQUIREMENTS OF IS EN 1917 AND BS
- 3. THICKER MANHOLE BASES REQUIRED FOR SEWERS IN EXCESS OF 3m DEEP WHERE THE SIZE IS GREATER THAN THE STANDARD MINIMUM SIZE.
- 4. PRE-CAST CONCRETE BASES MAY BE USED INCORPORATING CHANNELS, BENCHING ETC.
- SUBJECT TO IRISH WATER REVIEW 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. MANHOLE ROOFS SHOULD CONSIST OF A REINFORCED CONCRETE SLAB OF IN-SITU CONCRETE, C30/37, WITH A MINIMUM THICKNESS OF 225mm DESIGNED TO CARRY ALL LIVE AND DEAD
- LOADS, ALTERNATIVELY, APPROVED PRE-CAST CONCRETE ROOF SLABS MAY BE USED SUBJECT TO IRISH WATER REVIEW AND COMPLIANCE WITH BS 5911 PART 4: 2002. 7. COVERS AND FRAMES SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS SUBJECT TO
- REVIEW BY IRISH WATER. 8. 200mm ALL AROUND, 100mm DEEP CONCRETE PLINTH AROUND COVERS IN GREEN AREAS. 9. ALL CHAMBERS TO BE CHECKED FOR UPLIFT BY THE DEVELOPER BASED ON GROUND CONDITIONS WITHIN THE SITE. SHOULD ANTI FLOATATION MEASURES BE REQUIRED THEY SHALL
- BE SUBJECT TO REVIEW BY IRISH WATER. 10. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
- 11. ANY SPECIAL ROAD REINSTATEMENT AROUND COVER & FRAME SHALL BE TO ROAD AUTHORITY'S
- 12. NEW ROAD CONSTRUCTION & SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
- 13. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.



SECTION A-A THROUGH ATTENUATION STORAGE TANK

SCALE 1:50

HINGED DOUBLE LEAF MANHOLE COVER AND FRAME COVER TO BE SET SHALL COMPLY TO EN 124 AND BS 7903 AS PER MANUFACTURER'S SPECIFICATION (ALL CLASS D400 COVERS SHALL HAVE MIN. FRAME DEPTH 150mm) OPE. 675x675mm WATER TIGHT SEAL 1 No. MIN., 3 No. MAX. OF CLASS B / SEALED JOINT ENGINEERING BRICK SET IN C50/60 MORTAR FIRST RING SUNK INTO 150mm GRADE C16/20 IN-SITU 675 IN-SITU CONCRETE BASE ALL PRECAST CONCRETE SURROUND CHAMBER RINGS TO BE REINFORCED ELASTOMERIC JOINTSEAL TO EN 681-BOTTOM PRECAST SECTION TO BE BUILT INTO BASE SLOPE 1:10 PRECAST CONCRETE MANHOLE RINGS TO IS 420. CONCRETE MINIMUM 75 mm How BENCHING CONCRETE GRADE C25/30 FINISHED -REINFORCED CONCRETE BASE GRADE C30/37 WITH A 1:3 CEMENT SAND MORTAR 75mm GRADE C12/15 BLINDING CONCRETE REFER TO TABLE FOR PRE-CAST RING DIAMETER

SECTION C-C

MINIMUM WIDTH OF BENCHING FOR REFER TO TABLE FOR LANDING AREA TO BE 500mm PC RING DIAMETER _FLEXIBLE JOINT ROCKER PIPE | Min. 600 150mm GRADE C16/20 IN-SITU ---PIPE JOINT WITH CHANNEL TO BE CONCRETE SURROUND LOCATED MINIMUM 100mm INSIDE FACE OF MANHOLE

PLAN VIEW

STAND OFF MANHOLE DETAIL

PIPE DIAMETER (mm) 150 TO 600 GREATER THAN 600 TO 750 **GREATER THAN 750**

ALL PIPEWORK BETWEEN STRUCTURES ARE

NOTE - PROPOSED ON-SITE FOUL WATER

PUMP STATION. DETAILED DESIGN TO BE

COMPLETED BY SPECIALIST.

FOR CONTROL CABINET DETAILS REFER TO

LATEST REVISION OF DRAWING STD-WW-30

IRISH WATER STANDARD DETAILS DRAWING

EN598 DUCTILE IRON C/W ROCKERS

ARRANGEMENT

AND STD-WW-31

MANHOLE (mm)

1200

1350

1500

MINIMUM MANHOLE DIAMETERS

DIAMETER OF LARGEST INTERNAL DIAMETER OF

PIPE IN MANHOLE

LESS THAN 375

375 TO 450

500 TO 700

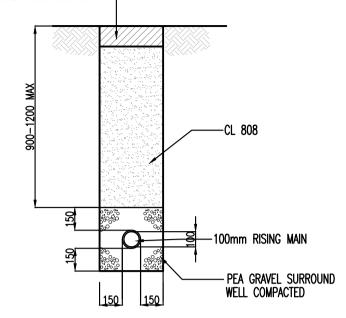
(mm)

ROCKER PIPE LENGTH ROCKER PIPE LENGTH (mm) 600 1250

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- 2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING

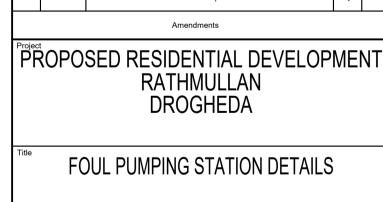
ROAD CONSTRUCTION —



RISING MAIN TRENCH DETAIL

SCALE 1:25

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LAYOUT UPDATES

EARLSFORT DEVELOPMENTS DROGHEDA LIMITED



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LRD PL	ANNING -	STAGE 3

signed by	JG	Approved	JG	waterman Rei	18-014
awn By	G.Byrne	Date	MAY.2025	AS SHOV	VN @A1
Project - Originator - Volume - Level - Type - Role - Number				Revision	
RAT -	- WMX -	PH2 -	00 -DR - C	: - P466	Α