

INCORPORATING CHANNELS, BENCHING ETC. SUBJECT TO IRISH WATER REVIEW AND COMPLYING WITH BS 5911-4:2002

OF 3.0m DEEP WHERE THE SIZE IS GREATER THAN THE APPROVED PRE-CAST CONCRETE BASES MAY BE USED

THICKER MANHOLE BASES REQUIRED FOR SEWERS IN EXCESS

WILL REQUIRE DETAILED STRUCTURAL DESIGN AND BE INTERNAL LINING OF ENGINEERING BRICK TO IS EN 771-1 TO A HEIGHT OF 1.0m ABOVE BENCHING. ENGINEERING BRICK TO BE BONDED TO BLOCK WORK USING ENGLISH GARDEN

DEEPER MANHOLES WILL BE CONSIDERED BUT SUCH USE

a. ALL MANHOLES SHALL BE WATERTIGHT TO THE SATISFACTION OF THE ENGINEER.

15. PIPE SHOULD BE CUT FLUSH WITH THE INSIDE SURFACE OF THE

16. POSITION OF 910 SQUARE OPE IN INTERMEDIATE ROOF SLABS:

THE MANHOLE.

MANHOLE WALLS SO THAT CHANNEL EXTENDS THE FULL LENGTH OF

b. FORMWORK TO REINFORCED CONCRETE & MASS CONCRETE SHALL COMPLY WITH IS EN 1992-1-1. c. FINISH TO THE TOP OF SLAB SHALL COMPLY WITH TYPE A

SECTION 6.2.7, BS 8110 PART 1:1997. WORK HAVING A CO-ORDINATING SIZE OF 450x225x100.

d. PLAN DIMENSIONS OF MANHOLES ARE BASED ON BLOCK FORT PIPE DIAMETER OF > 750mm USE MANHOLE WITH INTERNAL DIAMETER SIZE = PIPE SIZE +1.0m +300mm.

e. MANHOLES ARE DESIGNED TO BS EN 752:2017 & WALL THICKNESS TO IS EN 1996-1-1, BLOCK WORK DESIGN CODE TAKING GRANULAR FILL PRESSURE & H.B. SURCHARGE. f. REINFORCEMENTS TO SLABS TO ENGINEERS DETAILS.

CONCRETE, REINFORCING MESH REF. A393 TO BE FIXED AT MID POINT OF WALL. ADDITIONAL REINFORCEMENT TO BE SUPPLIED OVER PIPE CROWN.

17. FOR MANHOLES > 3m DEPTH TO INVERT USE C30/37 IN-SITU

18. PRECAST MANHOLES, CHAMBER WALLS & COVER SL, AB TO BE CONSTRUCTED TO IS EN 1917 & IS 420:2004.

NEAREST CARRIAGEWAY. MANHOLE STEPS-ACCESS TO BE

19. MANHOLE OPENINGS TO BE SITUATED FURTHEST FROM THE POSITIONED TO ALLOW VIEWING OF ONCOMING TRAFFIC.

20. FOR BEDDING AND CEILING OF CHAMBER RINGS, THE TOP RING (TO PRECAST OVER SLAB) & BOTTOM RING TO BE BEDDED WITH CEMENT MORTAR. FOR INTERMEDIATE RINGS. JOINTS TO BE SEALED WITH

APPROVED PREFORMED JOINTING STRAP.

21. PRECAST MANHOLES TO BE SURROUNDED WITH A MINIMUM OF

150mm THICK GRADE C16/20 CONCRETE. 22. 225mm GRADE C 25/30 CONCRETE SURROUND.

23. 75mm GRADE C 12/15 BLINDING CONCRETE.

24. ANY SPECIAL ROAD REINSTATEMENT AROUND COVER AND FRAME SHALL BE TO ROAD AUTHORITY'S REQUIREMENTS, NEW ROAD CONSTRUCTION AND SURFACE FINISH TO BE ROAD AUTHORITY'S REQUIREMENTS. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINE FOR MANAGING OPENINGS IN PUBLLIC ROADS" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.

25. PRECAST CONCRETE MANHOLE RINGS TO IS 420 IN CONJUNCTION WITH EN 1917:2004.

NOTES:

ALL FOUL MANHOLES TO COMPLY WITH REQUIREMENTS OF IRISH WATER STD-WW-09 TO 13.

NOTES:

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P01 12.05.2021

Rev Date

Client

Project:

Title:

Scale @ A1:

Prepared by:

Project Director:

Drawing Status:

Galway Office

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FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.

ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE

ENGINEER/EMPLOYERS REPRESENTATIVE, AS APPROPRIATE, TO BE INFORMED BY THE

- CONTRACTOR OF ANY DISCREPANCIES
- BEFORE ANY WORK COMMENCES THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL
- LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY
- WORK COMMENCES
- ALL LEVELS SHOWN RELATE TO ORDNANCE
- SURVEY DATUM AT MALIN HEAD
- MANHOLE DETAILS FOR FOUL SEWER TO BE IN ACCORDANCE WITH IRISH WATER STANDARD DETAILS AND CODE OF PRACTICE - IRISH WATER DETAILS & REQUIREMENTS WILL TAKE PRECEDENCE

Issued for Planning

Issued For Comment

First Issue

Description

Rosshill Residential

Development

Standard Manhole Details

(Sheet 1 of 2)

As Shown

Michael McDonnell

Date:

repared and provided

May 2021

Checked:

Planning

RD

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