

DIAMETER OF LARGEST PIPE IN MANHOLE	PRECAST CONCRETE RING SIZ
LESS THAN 375mm	1200mm DIA
375mm TO 450mm	1350mm DIA
500mm T0 700mm	1500mm DIA
750mm TO 900mm	1800mm DIA
900mm T0 1200mm	2100mm DIA
	1

ROAD GULLY

, SEE NOTE 5. 150mm LAYERS. EXCAVATED MATER. 50mm MIN. ONCRETE 150mm THICK. URROUND. BE GRADE C16/20. ENGINEER. 150mm CLASS F2. ENGINEERS DETAILS. 40mm. WITH BS4942 PART 2.

150mm

- NOTES:
- 1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
- 2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.
- TYPE A GRANULAR FILL SHALL CONSIST OF WASHED PEA GRAVEL. ALL MATERIAL SHALL PASS A 19mm B.S. SIEVE TEST AND SHALL BE RETAINED BY A 4.75mm B.S. SIEVE TEST.
- 4. SELECTED FILL SHALL SHALL BE FREE FROM STONES GREATER THAN 25mm IN SIZE, BUILDERS RUBBLE VEGETABLE MATTER AND LUMPS OF CLAY GREATER THAN 75mm IN SIZE AND SHALL BE COMPACTED IN
- 5. IN OPEN SPACES BACKFILL SHALL CONSIST OF SUITABLE SELECTED UNDER PAVED AREAS BACKFILL SHALL CONSIST OF CLAUSE 808. GENERAL BACKFILL SHALL BE COMPACTED IN LAYERS NOT EXCEEDING
- CONCRETE BED AND SURROUND SHALL BE USED ON ALL PIPES WHERE COVER TO THE SOFFIT OF THE PIPE IS LESS THAN 1.2m IN ROADS, FOOTPATHS AND GRASS MARGINS AND 0.9m IN OPEN SPACES AND FIELDS.
- 7. ALL CONCRETE FOR PIPE BEDDING, HAUNCHING AND SURROUNDS SHALL
- 8. ALL MANHOLES SHALL BE WATERTIGHT TO THE SATISFACTION OF THE
- 9. FORMWORK TO REINFORCED CONCRETE AND MASS CONCRETE SHALL BE
- 10. CLASS U2 FINISH TO THE TOP OF SLABS. REINFORCEMENT TO SLABS TO
- 11.200mm THICK C25/30 MASS CONCRETE FOUNDATIONS. 225 THICK PRECAST R.C. ROOF SLAB IN C25/30 CONCRETE. COVER TO STEEL TO BE
- 12. TOE HOLES TO BE PROVIDED IN BENCHING OF SEWERS GREATER THAN 450mm DIAMETER FOR ACCESS TO INVERT. SAFETY CHAIN ON SEWERS 600mm. DIAM. OR GREATER MILD STEEL SAFETY CHAIN SHALL BE 10MM. NOMINAL SIZE GRADE M(H) NON CALIBRATED CHAIN, TYPE 1, COMPLYING
- 13. WHEN DEPTH OF MANHOLES TO INVERT IS GREATER THAN 3.5m, LADDERS SHALL BE USED INSTEAD OF RUNGS. FIXED LADDERS SHOULD MEET THE DIMENSIONAL REQUIREMENTS OF BS4211 EXCEPT THAT STRINGERS SHOULD NOT BE LESS THAN 65 X 20mm IN SECTION AND RUNGS 25mm IN DIAMETER.
- 14. LADDER STRINGERS SHOULD BE ADEQUATELY SUPPORTED FROM THE MANHOLE WALL AT INTERVALS OF NOT MORE THAN 3.0m STRINGERS SHOULD BE BOLTED TO CLEATS TO FACILITATE RENEWAL.
- 15. ALL LADDERS, RUNGS, HANDRAILS, SAFETY CHAIN, ETC. SHALL BE HOT DIPPED GALVANISED TO BS729.
- 16. ALL DRAINAGE WORKS SHALL BE CONSTRUCTED STRICTLY IN ACCORDANCE WITH FINGAL COUNTY COUNCIL REQUIREMENTS FOR TAKING IN CHARGE AND GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS

1:25	0		0.5		1.0		1.5		2.0		2.5m
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1:1	0	10	20	30	40	50	60	70	80	90	100

REV.	DATE	AMENDMENT	DRN	APPD
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STATUS **PLANNING**



Waterman Moylan Engineering Consultants

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CLIENT	GERARD GANNON PROPERTIES
ARCHITECT	CONROY CROWE KELLY ARCHITECTS
PROJECT	PHASE 3, MOORETOWN

TITLE STORMWATER DRAINAGE CONSTRUCTION DETAILS

drawn	designed	APPROVED	DATE			
MS	RM	MD	JULY 2021			
SCALE	JOB NO.	DRG. NO.	REVISION			
1:25 @ A1	21–011	P1220				
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CONCRETE SURROUND. 150mm DIA. PIPE WITH 150mm CONCRETE SURROUND. RODDING EYE FITTED WITH STOPPER & GALVANISED CHAIN. CONCRETE ROAD GULLY TO B.S. 5911. 450 DIA. x 900mm DEEP. _ 150mm GRADE C16/20

CONCRETE SURROUND.