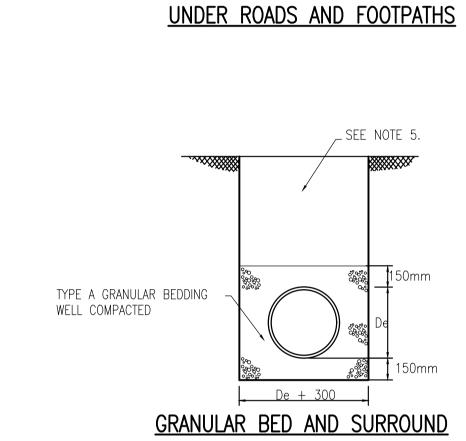


(3.0m TO 6.0m)

600mm MIN. CLEAR OPENING.



CONCRETE BED AND SURROUND

WHEN COVER IS LESS THAN 1.2m

, SEE NOTE 5.

50mm MIN.

ONCRETE

URROUND.

## NOTES:

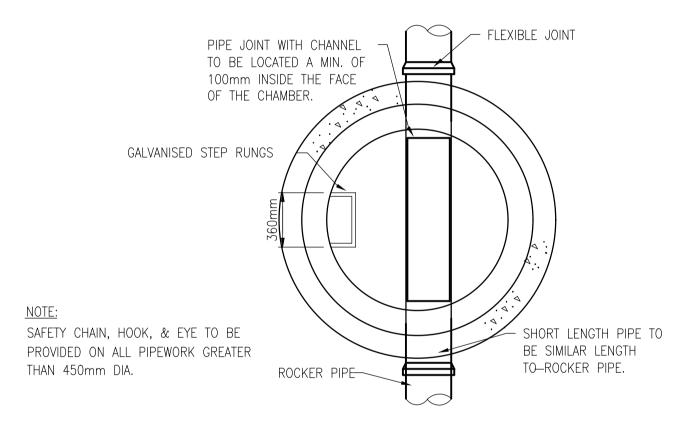
- 1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
- 2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.
- 3. TYPE A GRANULAR FILL SHALL CONSIST OF WASHED PEA GRAVEL. ALL MATERIAL SHALL PASS A 19mm B.S. SIEVE TEST AND SHALL BE RETAINED BY A 4.75mm 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 EXCAVATED MATER.

  UNDER PAVED AREAS BACKFILL SHALL CONSIST OF CLAUSE 808.

  GENERAL BACKFILL SHALL BE COMPACTED IN LAYERS NOT EXCEEDING
- 6. 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 BE GRADE C16/20.
- 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
- ENGINEERS DETAILS.

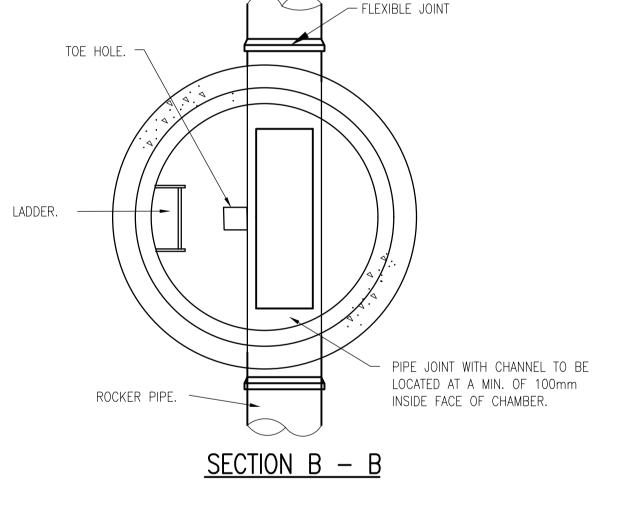
  11 200mm THICK C25/30 MASS CONCRETE FOUNDATIONS 225 THICK
- 11. 200mm THICK C25/30 MASS CONCRETE FOUNDATIONS. 225 THICK PRECAST R.C. ROOF SLAB IN C25/30 CONCRETE. COVER TO STEEL TO BE 40mm.
- 12. TOE HOLES TO BE PROVIDED IN BENCHING OF SEWERS GREATER THAN 450mm DIAMETER FOR ACCESS TO INVERT. SAFETY CHAIN ON SEWERS 600mm. DIAM. OR GREATER MILD STEEL SAFETY CHAIN SHALL BE 10MM. NOMINAL SIZE GRADE M(H) NON CALIBRATED CHAIN, TYPE 1, COMPLYING WITH BS4942 PART 2.
- 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
- 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

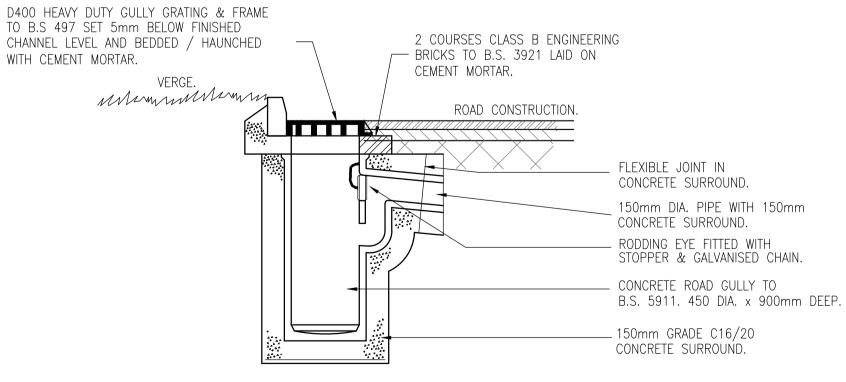


SECTION A - A

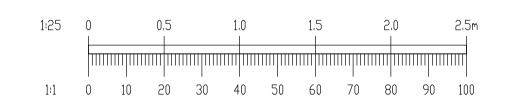
DIAMETER OF LARGEST PIPE IN MANHOLE	PRECAST CONCRETE RING SIZE		
LESS THAN 375mm	1200mm DIA		
375mm TO 450mm	1350mm DIA		
500mm TO 700mm	1500mm DIA		
750mm TO 900mm	1800mm DIA		
900mm TO 1200mm	2100mm DIA		

NOTE:
SIZES GIVEN IN TABLE ABOVE ARE MINIMUM SIZED ASSUMING A STRAIGHT RUN AND A SINGLE CONNECTION
THESE SIZES SHOULD BE INCREASED TO SUIT MULTIPLE CONNECTIONS AND ASSUMED SEWER ENTRY\EXITS.





ROAD GULLY



REV.	DATE	AMENDMENT	DRN	APPE

## STATUS PLANNING



BLOCK S, EASTPOINT BUSINESS PARK, ALFIE BYRNE ROAD, DUBLIN D03 K7W7 IRELAND.
Tel: (01) 664 8900 Fax: (01) 661 3618
Email: info@waterman-moylan.ie www.waterman-moylan.ie

CLIENT GERARD GANNON PROPERTIES

ARCHITECT CONROY CROWE KELLY ARCHITECTS

PROJECT
PHASE 5

PHASE 5, MIXED USED DEVELOPMENT, OLDTOWN, SWORDS

TITLE

STORMWATER DRAINAGE CONSTRUCTION DETAILS

DRAWN <b>MS</b>	DESIGNED <b>RM</b>	APPROVED <b>MD</b>	DATE MARCH 2022
SCALE	JOB NO.	DRG. NO.	REVISION
1:25 <b>@</b> A1	17-144	P1220	

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