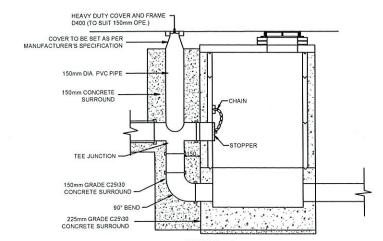
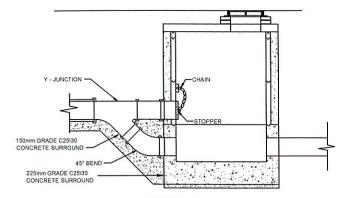


TYPE No. 1 150mm - 450mm DIA. (INCL.) DROP GREATER THAN 1700mm 500mm - 900mm DIA. (INCL.) DROP GREATER THAN 2300mm



TYPE No. 2 150mm - 450mm DIA. (INCL.) DROP GREATER THAN 900 AND LESS THAN 1700mm 500mm - 900mm DIA. (INCL.) DROP GREATER THAN 1300mm AND LESS THAN 2300mm



TYPE No. 3

150mm - 450mm DIA. (INCL.) DROP GREATER THAN 600mm AND LESS THAN 900m 500mm - 900mm DIA. (INCL.) DROP GREATER THAN 600mm AND LESS THAN 1300mm

BACKDROP MANHOLES

GENERAL NOTES:

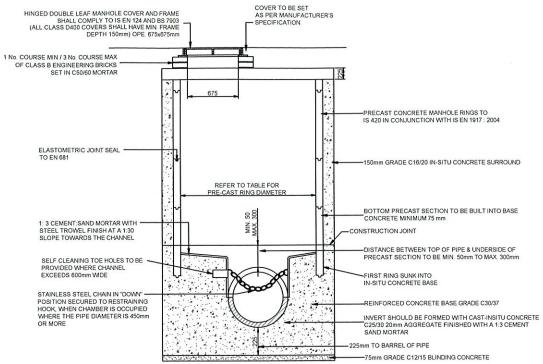
- 1. DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTS DRAWINGS.
- 2. ALL DIMENSIONS IN MILLIMETRES.
- 3. SETTING OUT DETAILS TO BE OBTAINED FROM ARCHITECTS DRAWINGS.
- 4. ARCHITECT TO BE INFORMED OF ANY DISCREPANCIES IMMEDIATLEY.
- 5. ENGINEER TO BE NOTIFIED OF ANY STRUCTURAL CONC. POURS SO THEY MAY 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 CITY COUNCIL DRAINAGE DEPT./IRISH WATER.
- 8. CONTRACTOR TO KEEP FULL RECORDS OF POSITIONS OF ALL DRAINS AND CONNECTIONS AND ON COMPLETION, FULL AS-BUILT DRAWINGS TO BE PRODUCED BY THE CONTRACTOR.

- 1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE
- 1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
 2. RODDING EYE CHAMBER SHALL BE COVERED WITH A PROVED 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.

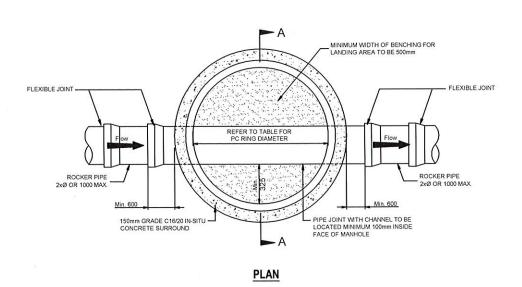
 3. ALL CHAMBERS TO BE CHECKED FOR UPLIFT BY THE DEVELOPER BASED ON GROUND CONDITIONS WITHIN THE SITE. SHOULD ANTI FLOATATION MEASURES BE REQUIRED THEY SHALL BE SUBJECT TO APPROVAL FROM IRISH WATER.
- FROM INISH WATER.

 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.



SECTION A-A



MINIMUM MANHOLE DIAMETERS				
DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIAMETER OF MANHOLE (mm)			
LESS THAN 375				
375 TO 450	1350			
500 TO 750	1500			

PRE-CAST CONCRETE MANHOLE

600 300 700 900

MAX. & MIN. TRENCH WIDTHS

MINIMUM TRENCH WIDTH (mm)

450

500

MAXIMUM TRENCH WIDTH (mm)

650

700

800

NORMAL INTERNAL DIAMETER

100

150

225

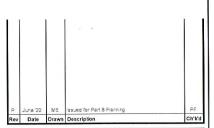
- 1. Pre-cast concrete manholes to be accordance with IS 420: 1989.
- 2. Manhole covers to roads to be Cavanagh Panther heavy duty Ref: A0011 to EN 124 or similar approved.
- 3. Manhole covers to gardens and medium trafficked areas to be Cavanagh Tiger Duty Ref. A0053 to EN 124 or similar approved.

No part of this document may be re-produced or transmitted in any form or stored in any retrieval system of any nature without the written permission of Ray Keane & Associates as copyright holder except as agreed for use on the project for which the document was originally issued.			
Notes			

- 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
 3 M DEEP WHERE THE SIZE IS GREATER THAN THE STANDARD MINIMUM SIZE.
 4. APPROVED PRE-CAST CONCRETE BASES MAY BE USED INCORPORATING
 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 3 mIN DEPIT WILL REQUIRE A DETAILED
 STRUCTURAL DESIGN AND BE SUBJECT TO IRISH WATER APPROVAL.
 7. MANHOLE ROOFS SHOULD CONSIST OF 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 APPROVAL AND COMPLANCE WITH BS 5911 PART 4: 2002.
 6. COVERS AND FRAMES SHALL BE SUITABLE FOR ROAD AND TRAFFIC
 CONDITIONS SUBJECT TO APPROVAL FROM INSTRUMENTS.
 9. 200mm ALL AROUND, 100mm 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 FLOATATION
 MEASURES BE REQUIRED THEY SHALL BE SUBJECT TO APPROVAL
 FROM IRISH WATER.

- FROM IRISH WATER.

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



()(Y

1/	2 Clogheen Business Park, Blarney Road, Cork, Ireland.		
rka	T: +353 (0)21 4399799 F: +353 (0)21 4399797 E: admin@rka.le W: www.rka.le		
CONSU	LTING ENGINEERS		

Cetti Ltd.

Proposed Development At Kinsale Road, Cork City.

Proposed Manhole Details								
Designed:	PF	Drawn:	ME	Date: June 20				
Eng Chk:	PF	Dwg. Chk:	PF	Scale: 1:25 @				

022 A1 0567002 1:50 @ A3 1007