

 1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE,
 2. PRE-CAST MANH-OLES UNITS: COMPLYING WITH REQUIREMENTS OF
 IS IN 1917 AND IS 420.
 3. THICKER MANH-OLE BASES REQUIRED FOR SEWERS IN EXCESS OF
 3m DCCP WILCIE THE SIZE IS GREATER THAN THE STANDARD MINIMUM
 SIZE. SUE:
A. APPROVED PRE-CAST CONCRETE BASES MAY BE USED INCORPORATING CHANNELS. BENCHING ETC. SUBJECT TO RISH WATER REVIEW AND COMP. TWO WITH SEN 1917 B. 15 420.

S. STRUCTURAL, DESIGN AND BEIN-PROCEMENT DETAILS. TO BE PROVIDED BY THE DEVELOPER AND SUBMITED TO RISH SHATER FOR REVIEW.

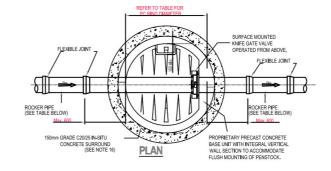
6. MANDLES GREATER THAN 3 in IN DEPTH WILL REQUIRE A DETAIL BO STRUCTURAL DESIGN AND BE SUBJECT TO HISH WATER REVIEW.

7. MANDLE BOOKS SHALL CONIST OF A RE-IN-PROCED CONCRETE SLAB OF IN-STRUCTURAL CONCRETE. COST OF ATTEMPORED CONCRETE SLAB OF IN-STRUCTURAL DEVICES OF ZERMED DESIGNED TO CARRY ALL LIVE AND DEAD LOADS. ALTERNATIVELY, ARRONDED REPLAYS TO METER FOR CONCRETE SLAB OF THE ARRONDED REPLAYS TO METER AND DEAD LOADS. ALTERNATIVELY, ARRONDED REPLAYS TO METER FOR OR SLAB SAME SIENCES IN SECTION. DESIGNED TO CARRY ALL LIVE AND DEAD LOADS, ALTERNATIVELY, APPROVED PRECAST CONCENTER POOF SLASM WAS EUSED SUBJECT TO RISSH WATER REVIEW AND COMPLANCE WITH IS EN 1917.

8. COVERS AND FRAMES SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS SUBJECT TO REVIEW BY PISSH WATER.

9. 200mm ALL AROUND 1 100mm DEEP CO2025 CONCENTER PLINTH COMPLETE WITH MLD. STEEL REPROPRIEMENT WAS AROUND COVERED FR DIETH MLD. STEEL REPROPRIEMENT WAS AROUND COVERS ON GREEN AREAS.

10. ALL CHAMBERS TO BE CHECKED FOR FURTH THE DEVELOPER BASED ON GREGOWN CONDITIONS WITHIN THE SITE SHOULD ANT FLOATATION MEASURES BE REQUIRED THEY SHALL BE SUBJECT TO REVIEW. MEASURES BE REQUIRED THEY SHALL BE SUBJECT TO REVIEW BY IRBH WATER. IN ACCORDANCE WITH IS EN 206 : 2013. 11. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206 : 2013. 12. ANY SPECIAL ROAD REINSTATEMENT AROUND COVER A FRAME SHALL BE TO ROAD AUTHORITY'S REQUIREMENTS. 13. NEW ROAD CONSTRUCTION A SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS. 14. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF LAND REQUIREMENTS.
PTH FROM GROUND TO PIPE SOFFIT IS GREATER THAN 6m DEEP, A SITE SPECIFIC ENGINEERED SOLUTION FOR ACCESS SHALL BE PROVIDED. 16. PROPRIETARY WATERTIGHT PCC MANNOLE RING SYSTEINS WITH A WALL THICKNESS - 125mm, A VAITER TIGHT JOHN IS SALING SYSTEM, MAY BE USED WITHOUT CONCRETE SURROUND, SUBJECT TO THE GROUND WATER LEVEL AT THE MANNOLE BEINS LOW, A SUBJECT TO REVIEW BY IRISH WATER,
17. THE INTERNAL MAHOLE DIAMETERS SHOWN IN THE TABLE BELOW ARE
MINIMUM DIMENSIONS AND WILL INCREASE DEPENDING ON THE NUMBER
AND DIAMETER OF ADDITIONAL INLETS.
18. IN STUATIONS WHERE P.C.C. MAHOLE BASES HAVE REDUNDANT
CHANNELS. THESE SHALLE BE PLUGGED AND FILLED BY SCABBLING. AND
INFILLED WITH GRADE CRUZE CONCRETE TO MATCH EXISTING BASE AND
BENCHED TO SUIT FLOW WITHIN THE MAHOLE BASE.



NOTE:

PRECAST CONCRETE MANHOLES SHALL ONLY BE USED WHERE THE WATER TABLE BLOW, THEY SHALL NOTE USED WHERE THESE AS PERCHED WATER TABLE, WHERE THE SEWER BLOCATED WATER TABLE, WHERE THE SEWER BLOCATED NEXT TO A RIVER. LAKE OR OTHER WATER BOOV AND WITHIN AREAS THAT ARE IDENTIFIED BY THE OFFICE OF PUBLIC WORKS CATCHMENT FLOOR RISK ASSESSMENT, AND MANAGEMENT (FORM) WITH A SESSESSMENT, AND MANAGEMENT (FORM) WITH A FLOOD RISK OF 1 IN 10 YEARS.

MINIMUM MANHOLE DIAMETERS						
DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIAMETER OF MANHOLE (mm)	MIN. PRECAST ROOF SLAB EFFECTIVE THICKNESS (mm)	MIN. IN-SITU ROOF SLAB THICKNESS (mm)			
LESS THAN 375	1200	160	225			
375 TO 450	1350	160	225			
500 TO 750	1500	170	225			

No. Date Dm Chk

ROCKER PIPE LENGTH				
PIPE DIAMETER (mm)	ROCKER PIPE LENGTH (mm)			
150 TO 600	600			
GREATER THAN 600 TO 750	1000			
GREATER THAN 750	1250			

SEWERS GREATER THAN 450mm Ø ARE OUTSIDE THE SCOPE OF THE STANDARD DETAILS.

\* MANHOLE SIZE OF THESE CHAMBERS MAY BE RELIIRED DUE TO MULTIPLE PIPES WITHIN MANHOLE.

REFER TO IN	REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT									
								SCALE	DATE	
							STANDARD DETAILS = WASTEWATER	NOT TO SCALE	SEPT.	2015
		_	Ш			Ш	TITLE	DRAWING No.		REV
			Ш			Ш	PRE-CAST CONCRETE			
		_	Ш			Ш	DUMPING CTATION IN ET MANUOLE	CTD MAAA	100	^
			Ш				PUMPING STATION INLET MANHOLE.	STD-WW	100	U
	0	07/*20	RH	TOC	Initial Issue	MOD	WITH PRE-CAST CONCRETE BASE			

## NOTES:

Do not scale from drawing. For any discrepancies found please consult with design office. This drawing is for PLANNING purposed only. Not for Construction.

Ву.	Date.	Description.				

Project Title: Residential Development at Inch/Coollegrean

Port Road Killarney

Irish Water Infrastructure -**Standard Construction Details** 

Client

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DM BM PK Date: APRIL 2024 NTS Drawing No: 18137HD PR-MHL-SCD-P08