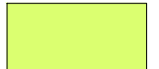
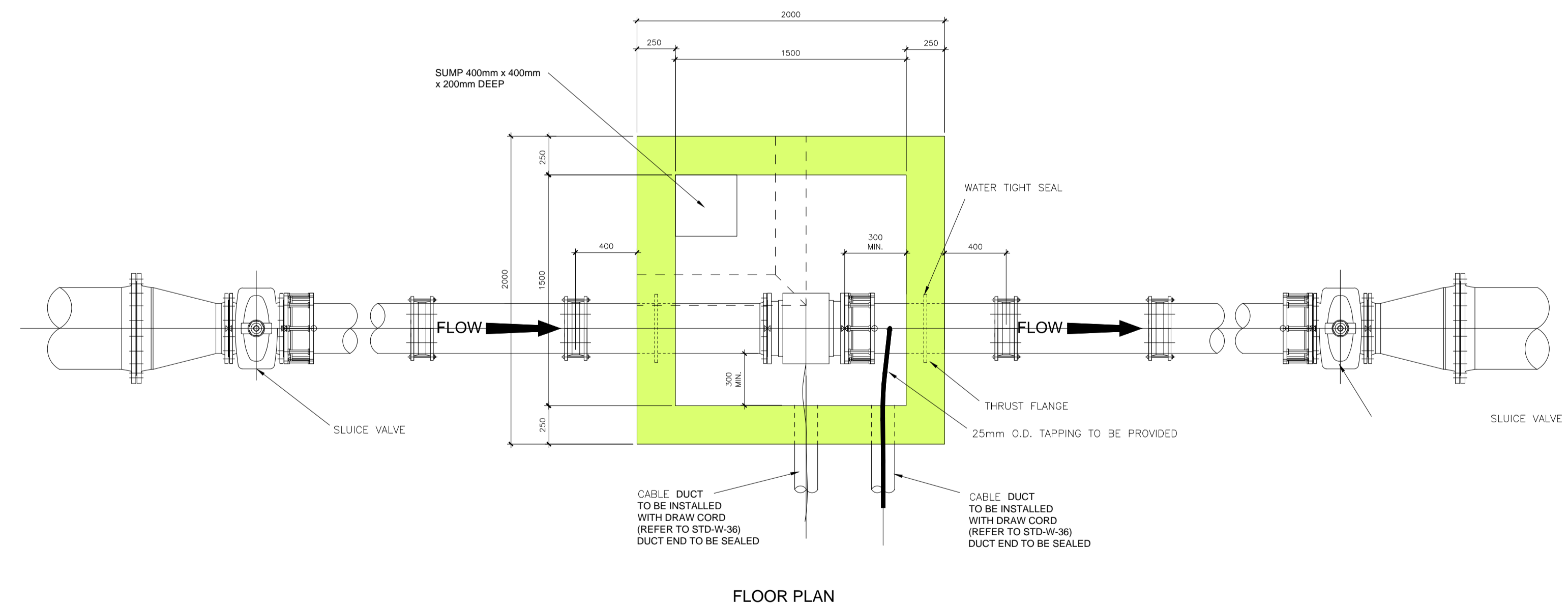
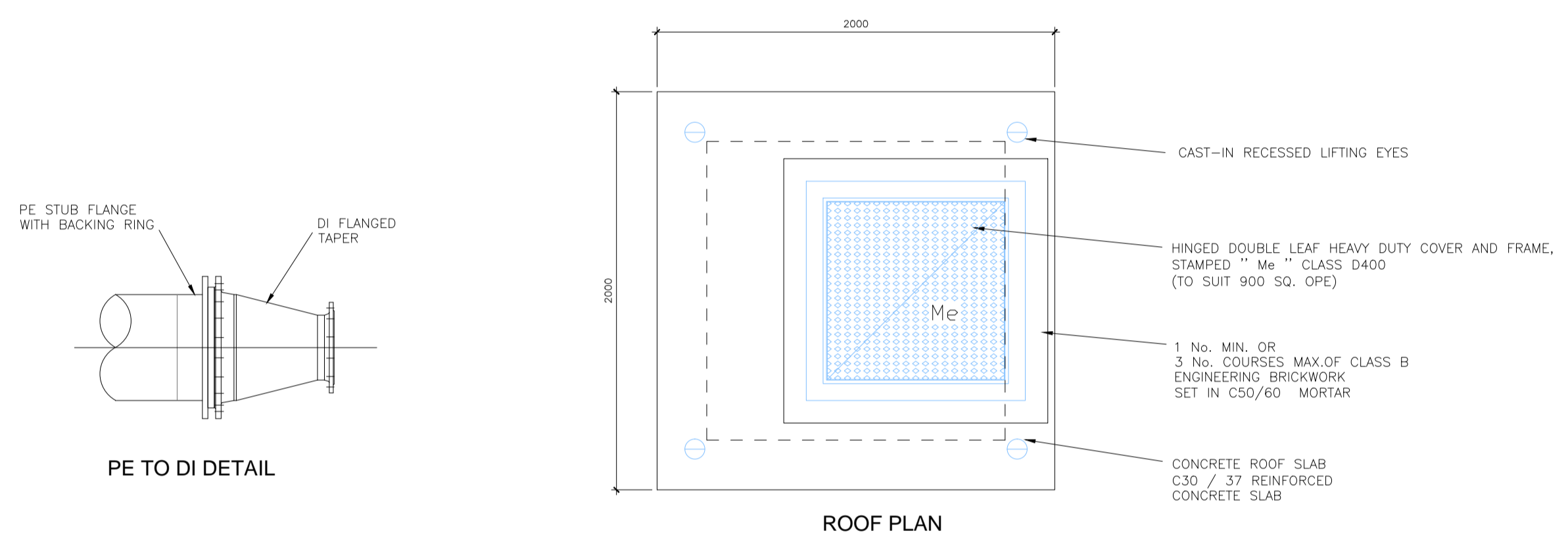
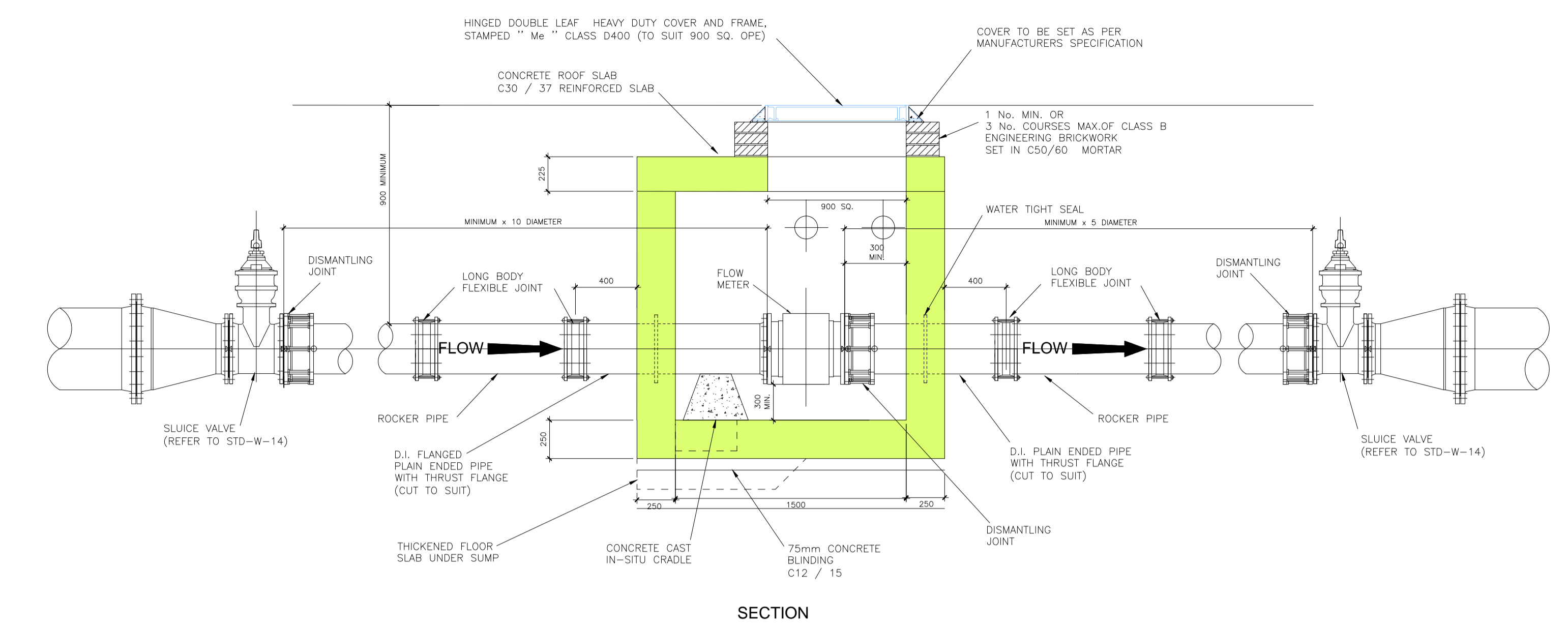


NOTE:
 HATCH INDICATES STRUCTURAL CONCRETE

NO PART OF THIS DRAWING MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR STORED IN ANY RETRIEVAL SYSTEM OF ANY NATURE WITHOUT THE WRITTEN PERMISSION OF MALONE O'REGAN CONSULTING ENGINEERS AS COPYRIGHT HOLDER EXCEPT AS AGREED FOR USE ON THE PROJECT FOR WHICH THE DRAWING WAS ORIGINALLY ISSUED.

A. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS, ARCHITECTS AND SPECIALISTS DRAWINGS.
 B. ALL DIMENSIONS IN mm UNLESS NOTED.
 C. DO NOT SCALE DIMENSIONS.
 D. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. DISCREPANCIES SHALL BE REPORTED TO THIS OFFICE IN WRITING.

LOCAL AUTHORITY / COUNTY COUNCIL GUIDELINES FOR THE DESIGN AND CONSTRUCTION OF HOUSING MANUAL TO TAKE PRECEDENCE WHERE ANY CONFLICT OCCURS.



DETAILS OF WATERMETER CHAMBER
 Scale 1:25

- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
- STRUCTURAL DESIGN AND REINFORCEMENT DETAIL TO BE PROVIDED BY THE CONTRACTOR AND SUBMITTED TO IRISH WATER FOR REVIEW.
- CONCRETE FOR FLOW METER CHAMBER TO BE C30/37.
- PRECAST METER CHAMBER MAY BE USED SUBJECT TO APPROVAL FROM IRISH WATER.
- METER CHAMBER SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO IS EN 124: 1994 RATING D400. COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO THE APPROVAL OF IRISH WATER.
- 200mm ALL ROUND, 100mm DEEP CONCRETE PLINTH WITH PROTECTIVE STAINLESS STEEL METAL BAND AROUND COVER IN GRASS AREAS.
- ANTI CORROSION TAPE TO BE PROVIDED AROUND BURIED FLANGES.
- DUCTILE IRON PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 545. PE PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 12201:2011.
- ALL CHAMBERS TO BE CHECKED FOR UPLIFT BY THE CONTRACTOR BASED ON GROUND CONDITIONS WITHIN THE SITE. SHOULD ANTI FLOATATION MEASURES BE REQUIRED THEY SHALL BE SUBJECT TO APPROVAL FROM IRISH WATER.
- PIPEWORK TO BE DOWNSIZED TO ACCOMMODATE THE REQUIRED RANGE OF THE FLOW METER. STRAIGHT PIPE LENGTHS UPSTREAM AND DOWNSTREAM OF THE METER TO BE PROVIDED. IF THE METER IS NOT CAPABLE OF ACCURATE NIGHT FLOW MEASUREMENTS A BY-PASS FLOW METER SHALL BE PROVIDED WITH APPROPRIATE VALVES, FITTINGS AND PIPEWORK.
- ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.

P	PART 8 PLANNING ISSUE	06.04.17	KD	ND
REV	DESCRIPTION	DATE	DRWN BY	CHKD BY
STATUS	PURPOSE OF ISSUE			
P	PART 8 PLANNING			

MOR
 MALONE O'REGAN
 CONSULTING ENGINEERS

2B Richview Office Park,
 Clonskeagh,
 DUBLIN 14.

Tel: +353 1 260 2655
 Fax: +353 1 260 2660
 Email: info@mor.ie

St. Catherine's House,
 Catherine Street
 WATERFORD

Tel: +353 51 876 855
 Fax: +353 51 876 828
 Email: info@waterford.mor.ie

CLIENT NAME	KILDARE COUNTY COUNCIL		DRAWING NAME	SITE DEVELOPMENT DETAILS			
JOB NAME	PROPOSED DEVELOPMENT OF 74 NO. RESIDENTIAL UNITS AT CRADDOCKSTOWN ROAD, CRADDOCKSTOWN DEMESNE, NAAS, CO. KILDARE		SHEET NAME	SHEET 4 WATERMAIN DETAILS 1			
JOB NUMBER	DWG NO	REVISION	SHEET SIZE	SCALE	DATE	DRWN BY	ENGINEER
SHB1-CRA-CS-MOR-DR-123	P		A1	SHOWN	JAN '17	KD	ND