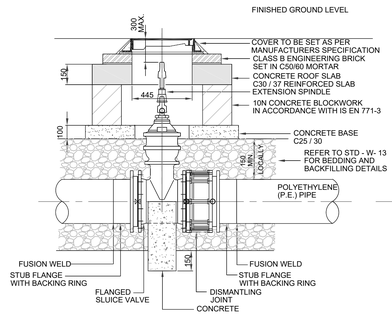
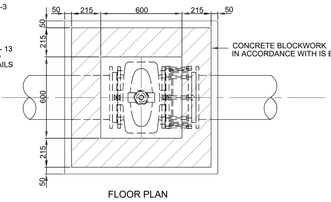
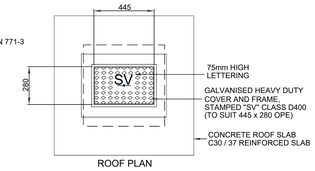


SECTION

SLUICE VALVE CHAMBER
(BLOCKWORK CONSTRUCTION)



FLOOR PLAN

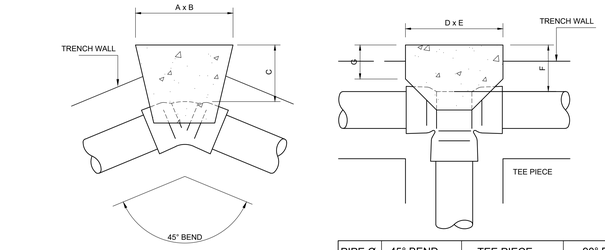


ROOF PLAN

NOTE:
REFER TO IRISH WATER STANDARD DETAILS STD-W-15 FOR DETAILS OF SLUICE VALVE CONNECTION FOR PE PIPEWORK

Sluice Valves

1. Sluice valve chambers shall be covered with approved 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.
2. Sluice valves shall be double flanged with ductile iron resilient seal gate valves, suitable for use in water mains. They shall comply with the requirements of IS EN 1074 and they shall have the BS Kitemark.
3. All sluice valves shall be anti-clockwise closing



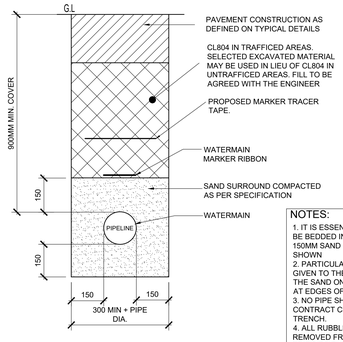
PIPE Ø	45° BEND		TEE PIECE			90° BEND		
CLASS "C" uPVC	A x B	C	D x E	F	G	H x J	K	
100	330x350	50 MIN.	390x350	200	50 MIN.	600x350	200	
150	510x450	50 MIN.	660x450	225	50 MIN.	950x450	225	
200	600x650	50 MIN.	790x650	300	50 MIN.	1150x650	300	
250	600x650	50 MIN.	790x650	300	50 MIN.	1150x650	300	

NOTE:
THRUST BLOCKS ARE DESIGNED FOR AN AVERAGE GROUND BEARING PRESSURE OF 100KN/m² (TYPICAL FOR SOFT CLAY). FOR OTHER GROUND CONDITIONS ACTUAL DIMENSIONS MAY BE ALTERED ON INSTRUCTIONS FROM THE ENGINEER.
THRUST BLOCKS IN THE MAIN SHOULD NOT BE REQUIRED AS JOINTS ARE TO BE FULLY RESTRAINED. DETAILS INCLUDED HERE IN THE EVENT IRISH WATER TIE IN DETAILS REQUIRE ADDITION OF THRUST BLOCKS

THRUST BLOCK DETAILS

Notes:

1. This Drawing shall be Read in Conjunction with all Other Relevant Specifications & Drawings including Civil Site Drawings.
2. All Dimensions in mm unless otherwise noted.
3. Refer to MUN-ARUP-ZZ-ZZ-DR-C-0040 for the Proposed Potable Watermain Layout.
4. All Water Infrastructure to be Designed and Constructed in Accordance with the Irish Water Code of Practice and Standard Details.



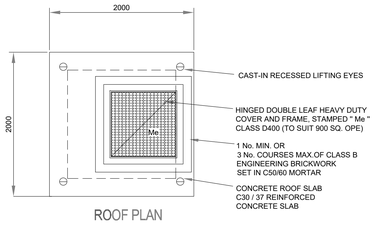
TYPICAL BEDDING DETAIL FOR WATERMAIN

SCALE 1:10

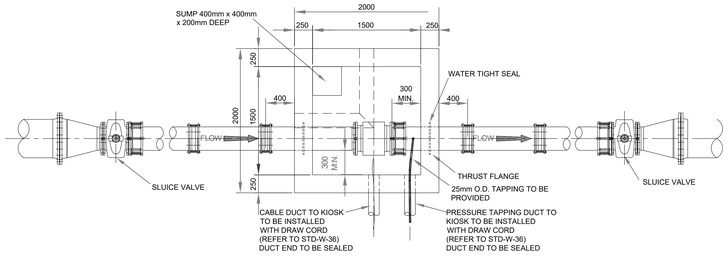
NOTES:
1. IT IS ESSENTIAL THAT THE MAIN BE BEDDED IN A COMPACTED 150MM SAND SURROUND AS SHOWN
2. PARTICULAR ATTENTION IS TO BE GIVEN TO THE COMPACTION OF THE SAND ON THE UNDERSIDE AND AT EDGES OF THE PIPE.
3. NO PIPE SHALL BE LAID BY A CONTRACT CREW IN AN UNSANDED TRENCH.
4. ALL RUBBLE/STONES ARE TO BE REMOVED FROM AROUND THE MAIN PRIOR TO THE COMPACTION OF THE SAND.

Meter Chamber

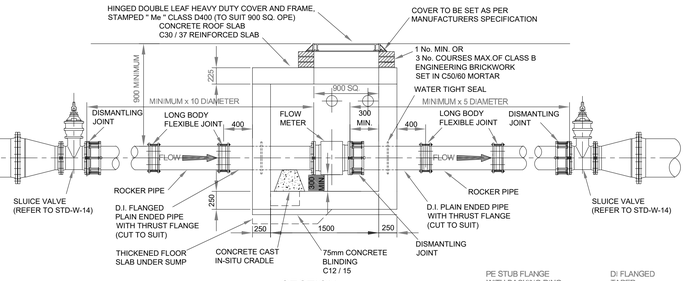
1. Structural design and reinforcement detail to be provided by the developer and submitted to Irish Water for review.
2. Concrete for flow meter chamber to be C30/37.
3. Meter chamber shall be covered with approved heavy duty metal covers to IS EN 124:1994 rating D400. Cover and frame shall be suitable for road and traffic conditions and is subject to the approval of Irish Water.
4. All chambers to be checked for uplift by the developer based on ground conditions within the site. Should anti floating measures be required they shall be subject to approval from Irish Water.
5. 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.



ROOF PLAN



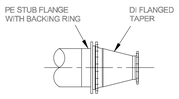
FLOOR PLAN



SECTION

BULK WATER METER CHAMBER

Refer to Irish Water Standard Details STD-W-26 For Details of Water Meter Connection Variants



Rev	Date	By	Chkd	Appd
P01	20/01/21	ROD	RM	KG
	Issued for Planning			

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Client
Limerick City & County Council

Project Title
Mungret Residential Development, Mungret, Limerick

Drawing Title
Proposed Potable Water Details

Scale at A0: As Shown
Role: Civil Infrastructure
Suitability: S2 - Suitable for Information
Arup Job No: 261585-00
Rev: P01
Name: MUN-ARUP-ZZ-ZZ-DR-C-0102