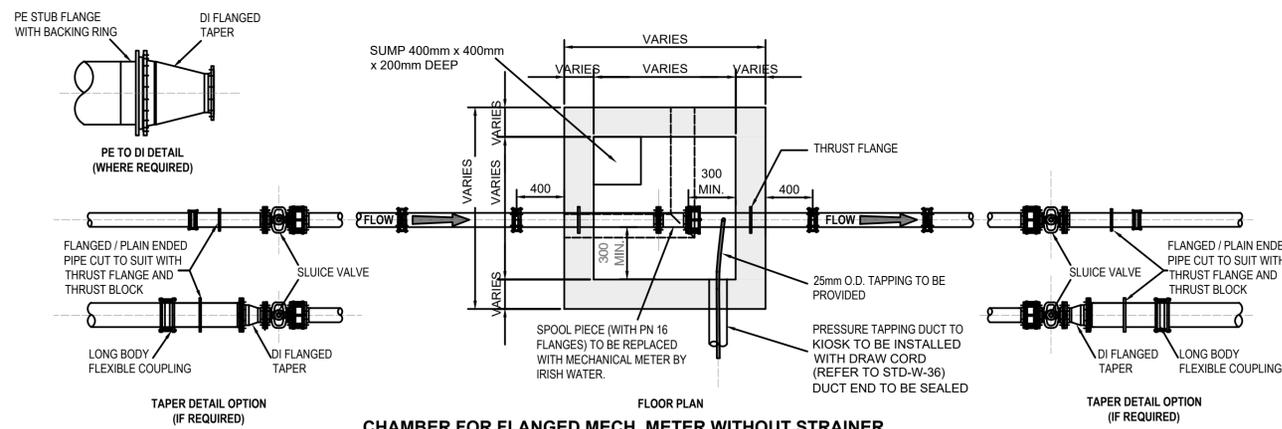
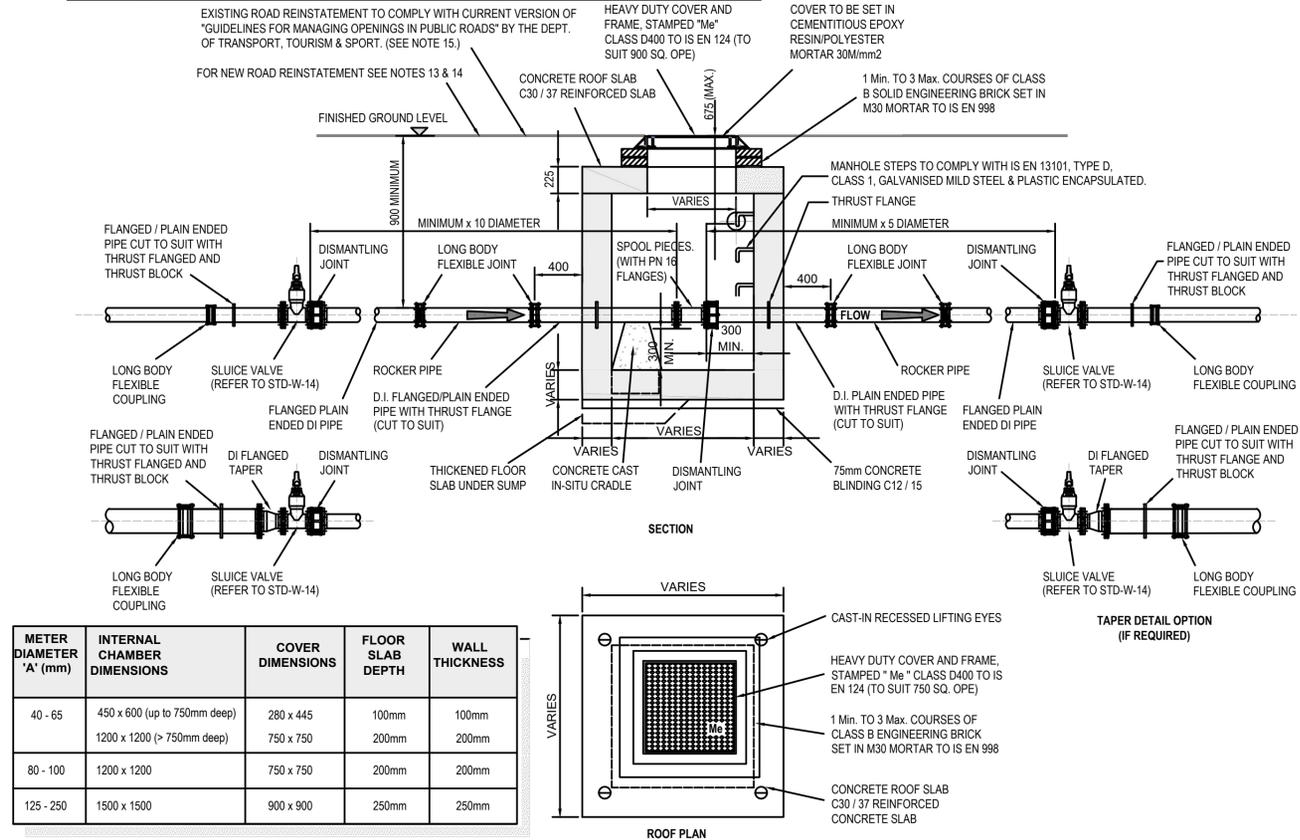


- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
- STRUCTURAL DESIGN AND REINFORCEMENT DETAIL TO BE PROVIDED BY THE DEVELOPER AND SUBMITTED TO IRISH WATER FOR REVIEW. ROOF SLABS SHALL BE DESIGNED TO CARRY ALL LIVE LOADS & DEAD LOADS, & CONSIST OF A REINFORCED CONCRETE SLAB OF IN-SITU CONCRETE, GRADE C30/37, WITH A MINIMUM THICKNESS OF 225mm. ALTERNATIVELY, PRE-CAST CONCRETE ROOF SLABS MAY BE USED, SUBJECT TO IRISH WATER REVIEW, & COMPLIANCE WITH IS EN 1917 & IS 420, Part 4.
- CONCRETE FOR CHAMBERS TO BE C30 / 37.
- PRECAST UNITS COMPLETED WITH RUBBER SEALING GASKET BETWEEN UNITS, COMPLYING WITH THE REQUIREMENTS OF IS EN 1917 AND IS 420, COMPLETE WITH 150mm CONCRETE SURROUND MAY BE USED AS AN ACCEPTABLE ALTERNATIVE. CONCRETE SURROUND TO BE GRADE C20/25 IN ACCORDANCE WITH IS EN 206.
- CHAMBERS SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO IS EN 124 RATING D400. COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO REVIEW BY IRISH WATER.
- 200mm ALL ROUND, 100mm DEEP CONCRETE PLINTH 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 DEVELOPER BASED ON GROUND CONDITIONS WITHIN THE SITE. SHOULD ANTI FLOATION MEASURES BE REQUIRED THEY SHALL BE SUBJECT TO REVIEW BY 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.
- A SINGLE METER CHAMBER MAY BE USED, WHERE APPLICABLE, TO THE METER SUPPLIER'S REQUIREMENTS, TO LOCATE THE METER. IF A STRAINER IS REQUIRED DUE TO WATER QUALITY PARTICULATE RISK, THIS MAY BE LOCATED IN THE METER CHAMBER OR IN A SEPARATE STRAINER CHAMBER. (SEE STD-W-26B).
- ANY SPECIAL ROAD REINSTATEMENT AROUND COVER & FRAME SHALL BE TO ROAD AUTHORITY'S REQUIREMENTS.
- NEW ROAD CONSTRUCTION & SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
- EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF 'GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS' BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.
- DEVELOPER TO PROVIDE SPOOL PIECE, IRISH WATER TO PROVIDE METER. (SEE TABLE BELOW (UNLESS NOTED OTHERWISE) FOR STANDARD SPOOL PIECE LENGTHS)
- KIOSK AND DUCT NOT REQUIRED EXCEPT WHERE FLOW METER CHAMBER IS LOCATED IN A TRAFFICKED AREA OR AS OTHERWISE REQUIRED BY IRISH WATER
- DETAILS SHOWN HERE ARE FOR HOUSING DEVELOPMENTS WITH 40-249 UNITS TYPICALLY

MECHANICAL WATER METER SPOOL PIECE LENGTHS								
Ø mm	DN40	DN50	DN80	DN100	DN125	DN150	DN200	DN250
LENGTH mm	150	200		250		300	350	450



CHAMBER FOR FLANGED MECH. METER WITHOUT STRAINER
(DN40 - DN250mm DIA.)
NTS

FOR
PLANNING

Notes:
For setting out refer to Architect's drawings.
This drawing shall be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
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PO1	EK	JdP	ISSUED FOR INFORMATION	17/10/2025
Rev	Dm	Chkd	Amendments	Date

Rev	Dm	Chkd	Amendments	Date
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Drawing Sheet Size	A1
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Architect	DONNELLY TURPIN ARCHITECTS		
Project	MIXED USE DEVELOPMENT BELGARD SQ. EAST, BELGARD RD, TALLAGHT		
Title	WATERMAIN DETAILS SHEET 05 OF 05		
Drg No	S058-TCE-B1-ZZ-DR-S-S-625	Revision	P01
Scale	NTS	Date	17/10/2025
Dm By	EK	Chkd By	JdP
		Aprvd By	JdP

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