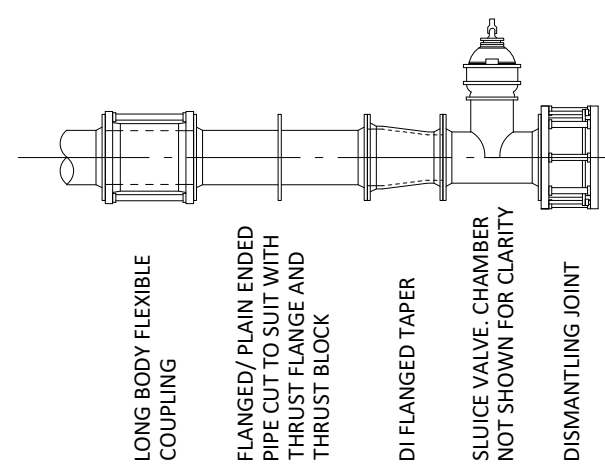
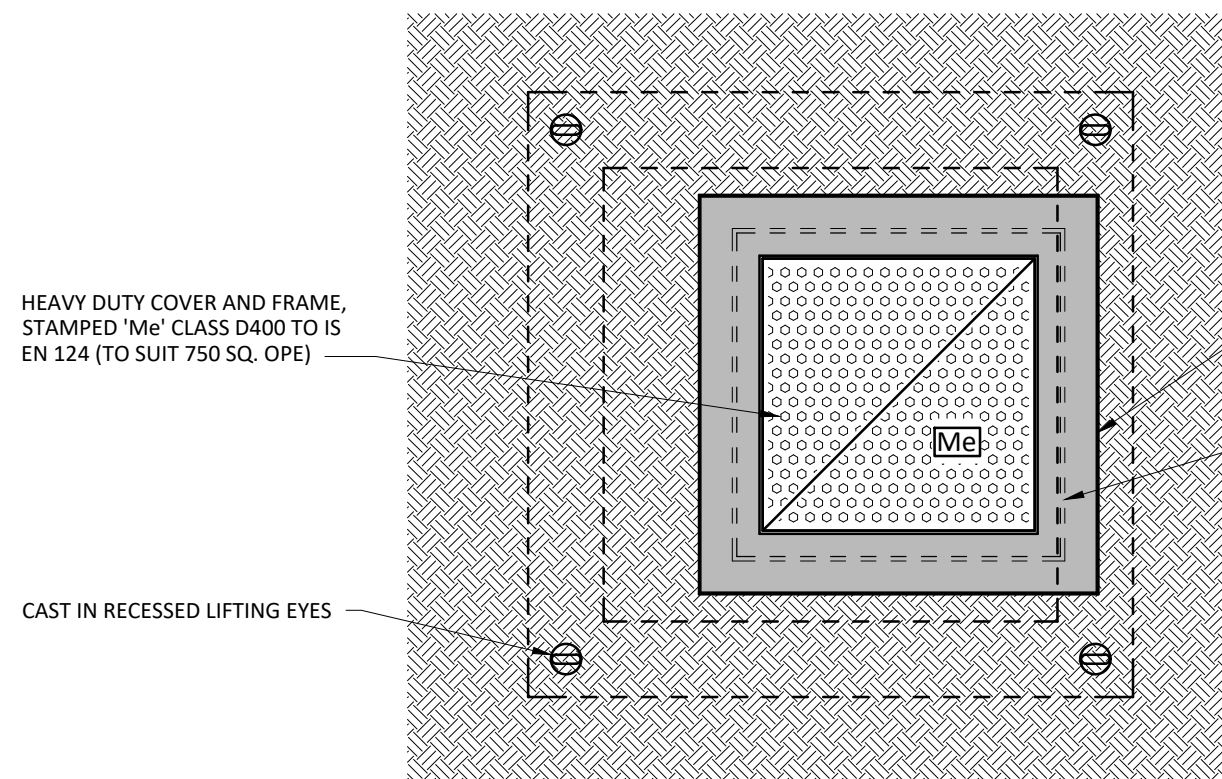




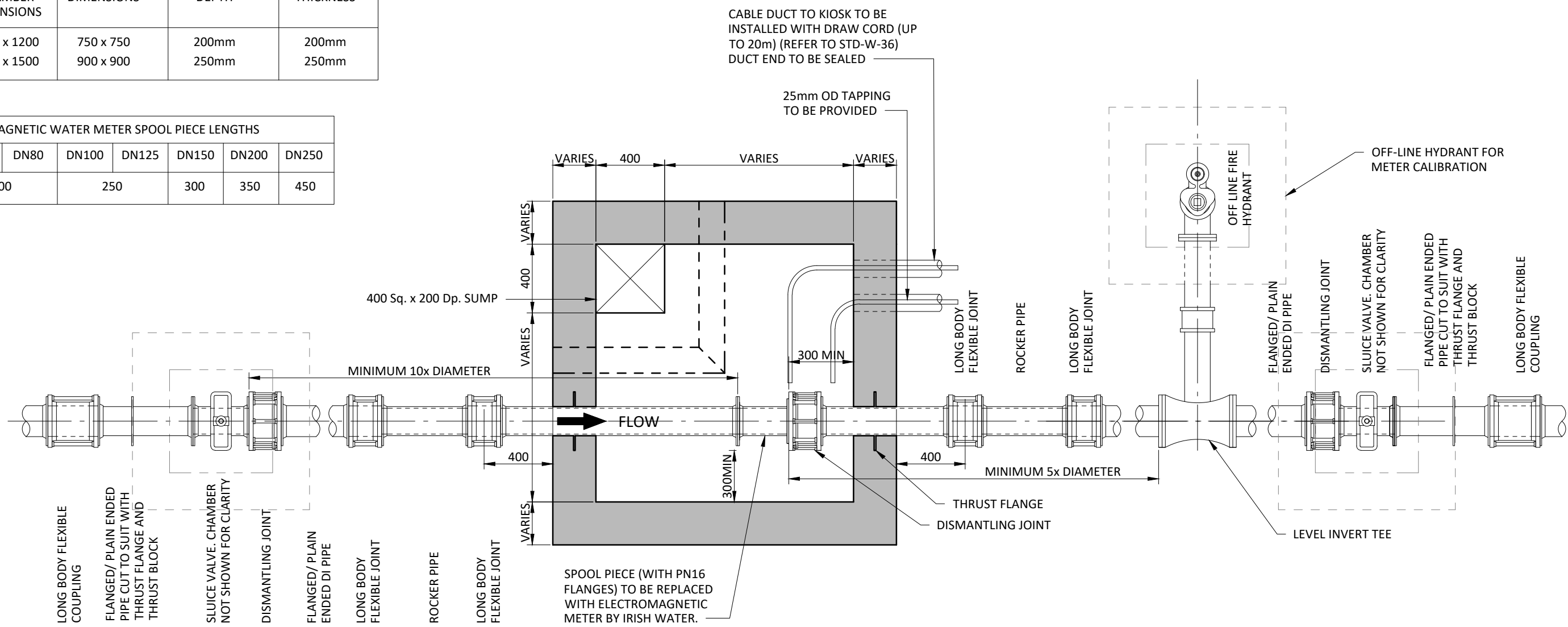
TAPER DETAIL OPTION



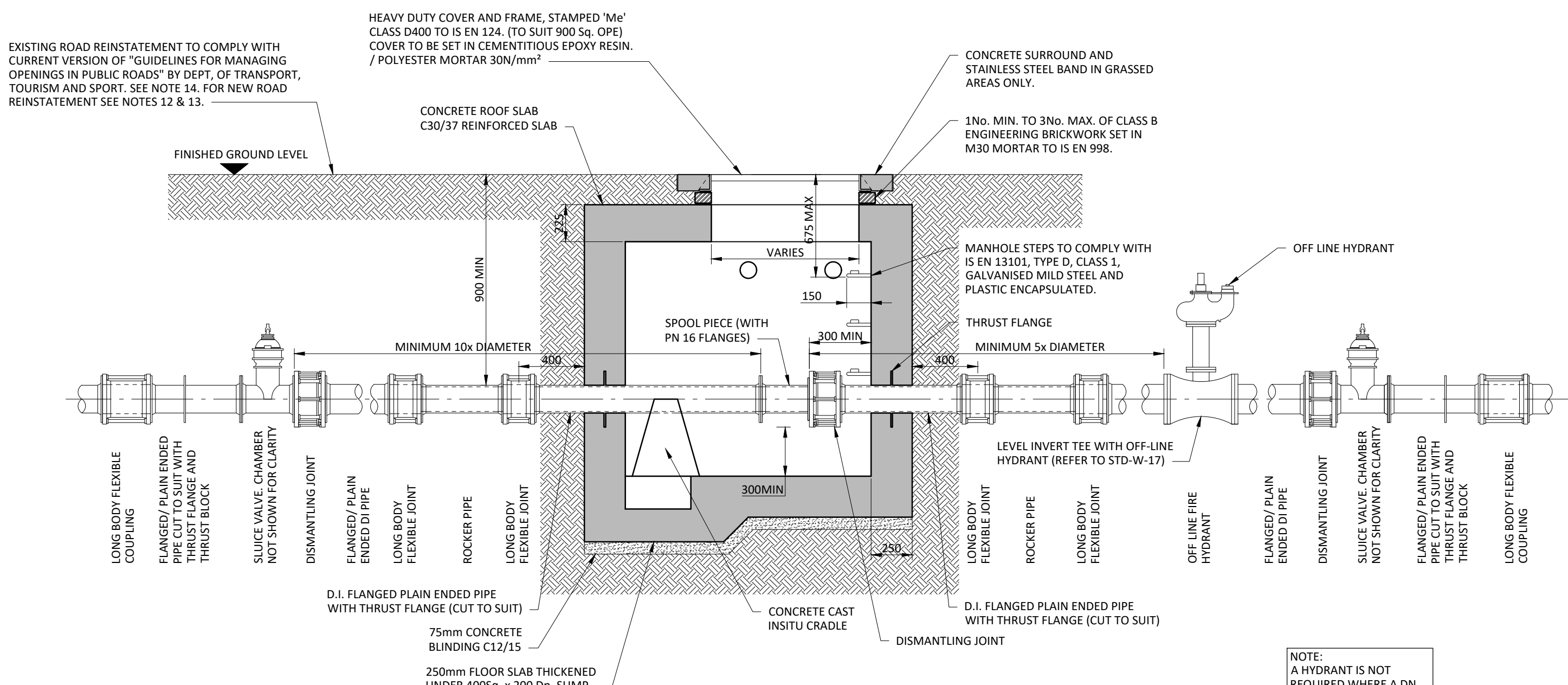
ROOF PLAN

1. ALL DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS NOTED OTHERWISE.
2. STRUCTURAL DESIGN AND REINFORCEMENT DETAIL TO BE PROVIDED BY THE DEVELOPER AND SUBMITTED TO IRISH WATER FOR REVIEW. ROOF PAVEMENT SHALL BE DESIGNED TO CARRY ALL DEAD, LIVE AND WIND LOADS AND BE CONSIST OF REINFORCED CONCRETE SLAB IN-SITU CONCRETE, GRADE 30/37, WITH A MINIMUM THICKNESS OF 225mm. ALTERNATIVELY, PRECAST CONCRETE ROOFS MAY BE USED, SUBJECT TO IRISH WATER REVIEW, AND COMPLIANCE WITH EN 1917 & EN 15420.
3. CONCRETE FOR FLOW METER CHAMBER TO BE C30/37.
4. PRECAST UNITS COMPLETE WITH RUBBER SEALING GASKET BETWEEN UNITS, COMPLYING WITH THE REQUIREMENTS OF IS EN 1917 AND IS 4200. COMPLETE WITH SLOPED AND FINISHED SURFACES TO BE IN ACCORDANCE WITH EN 12001-2011. CONCRETE SURROUND TO BE GRADE C20/25 IN 1917 AND WITH EN 206.
5. METER CHAMBER SHALL BE COVERED WITH APPROVED HIGH 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.
6. 200mm ALL ROUND, 100mm DEEP CONCRETE PLINTH AROUND COVER IN GRASSED AREAS.
7. ANTI CORROSION TAPE TO BE PROVIDED AROUND BURIED FLANGES.
8. DUCTILE IRON PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 545. PE PIPES AND FITTINGS TO BE OF DENSITY 100 WITH IS EN 12051-2011.
9. ALL CHAMBERS TO BE CHECKED FOR UPLIFT BY THE DESIGNER BASED ON GROUND CONDITIONS WITHIN THE SITE. SHOULD ANTI FLOATION MEASURES BE REQUIRED THEY SHALL BE SUBMITTED TO REVIEW BY IRISH WATER.
10. PE PIPES TO BE JOINTED TO THE STANDARD OF THE REQUIRED RANGE OF THE FLOW METER. STRAIGHT PIPE LENGTHS UPSTREAM AND DOWNSTREAM OF THE METER TO BE PROVIDED. THE METER SHALL BE CAPABLE OF ACCURATE NIGHT FLOW MEASUREMENTS.
11. ALL CONCRETE TO BE IN ACCORDANCE WITH EN IS 206.
12. ANY SPECIAL ROAD REINSTATEMENT AROUND THE COVER AND FRAME SHALL BE TO THE ROAD AUTHORITY'S REQUIREMENTS.
13. NEW ROAD CONSTRUCTION AND SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
14. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS" BY DEPT. OF TRANSPORT, TOURISM AND SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.
15. DEVELOPER TO PROVIDE SPOOL PIECE, IRISH WATER TO PROVIDE METER (SEE TABLE BELOW FOR SPOOL PIECE LENGTHS)

ELECTROMAGNETIC WATER METER SPOOL PIECE LENGTHS							
ø mm	DN50	DN80	DN100	DN125	DN150	DN200	DN250
Length mm	200		250		300	350	450

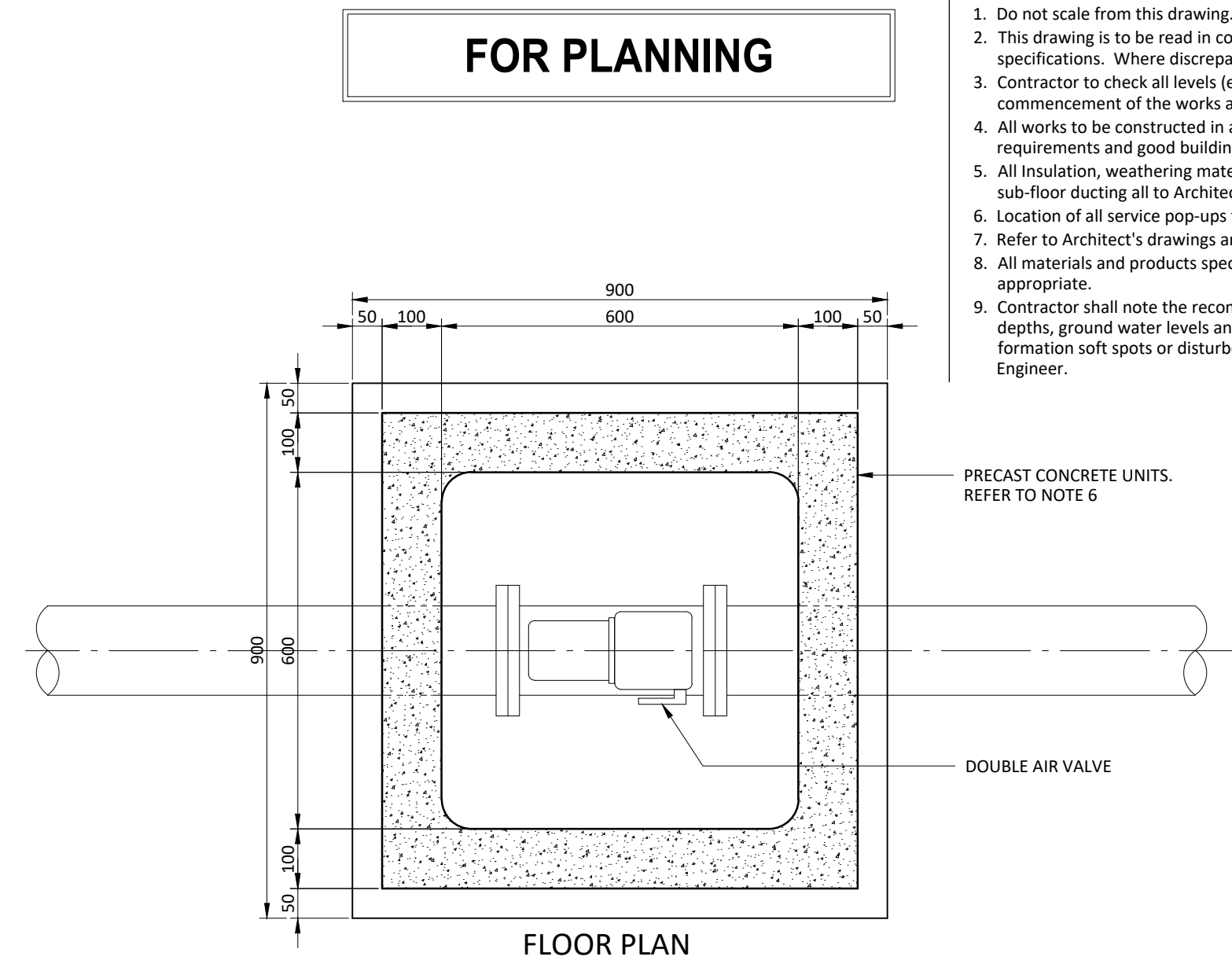


FLOOR PLAN



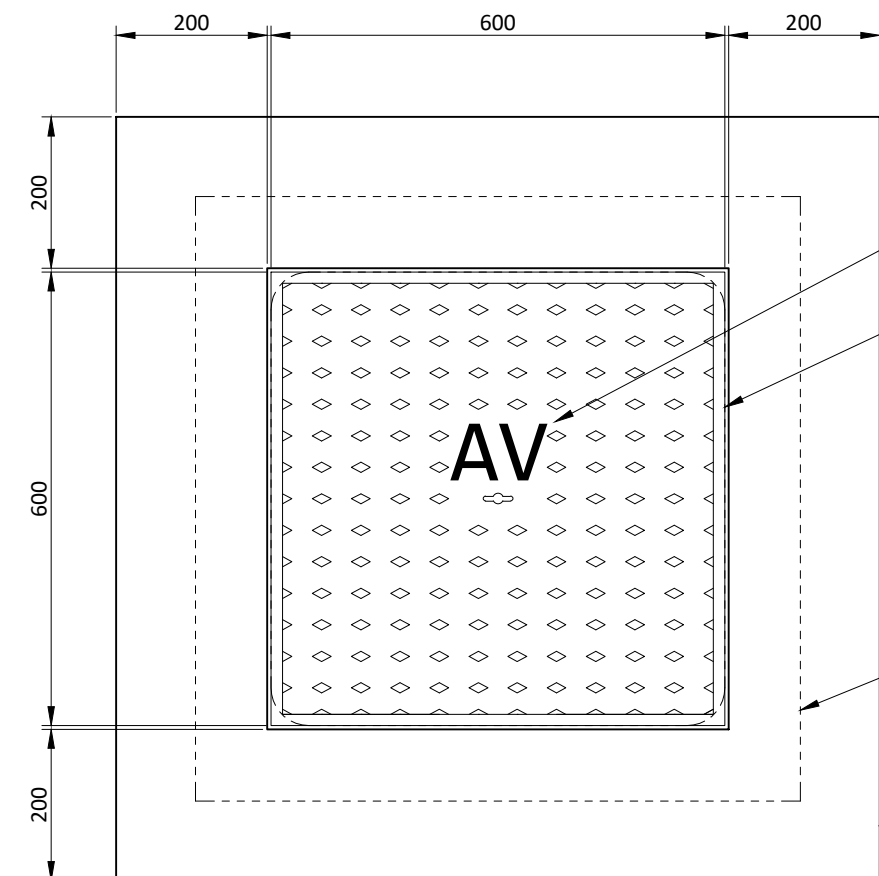
SECTION

ELECTROMAGNETIC METER CHAMBER (80 - 250mm DIA.) TO IRISH WATER
DOCUMENT No. IW-CDS-5020-01. DRAWING No. STD-W-26 REV 4
SCALE 1:25



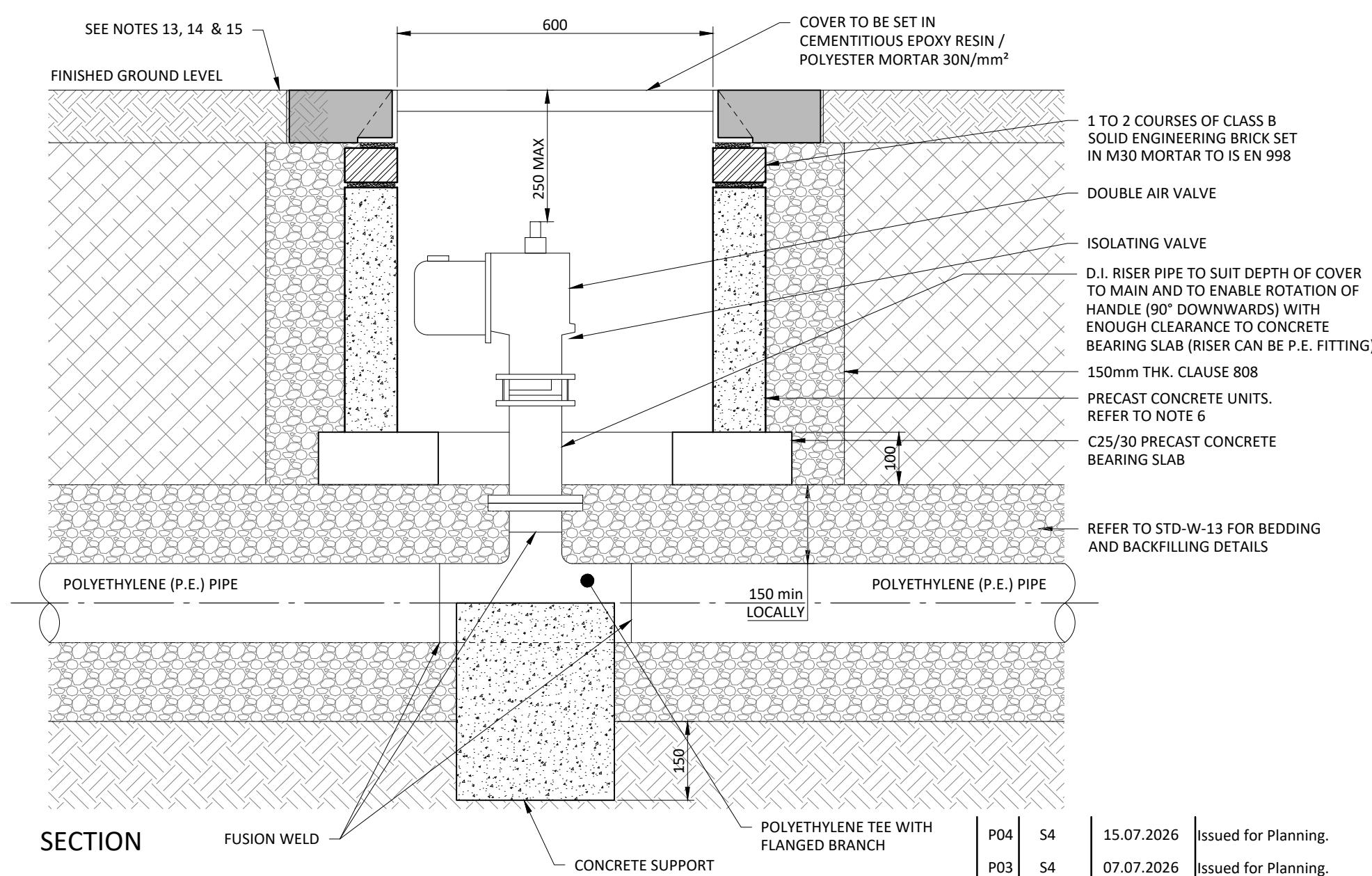
FLOOR PLAN

DIA. OF MAIN	UP TO 250mm	250-350mm
DIA. OF BRANCH	80mm	100mm
BORE OF VALVE INLET	80mm	100mm



PLINTH DETAIL IN GRASSED AREAS

1. ALL DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS NOTED OTHERWISE.
2. AIR VENT CHAMBERS SHALL BE COVERED WITH APPROVED VENTILATED HEAVY DUTY DUCTILE VENT COVER TO IS EN 124 (PART 1) WHICH SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO REVIEW BY IRISH WATER.
3. AIR VALVES SHALL COMPLY WITH THE REQUIREMENTS OF IS EN 1074-4. AIR VALVES SHALL BE DOUBLE ORIFICE TYPE AND SHALL INCLUDE AN ISOLATING VALVE. THE ISOLATING VALVE SHALL BE OF THE VALVE TYPE WITH CONFORMITY TO EN 1074-2 AND SHALL BE OF A BOLTLESS BONNET DESIGN OR A BUTTERFLY VALVE TO IS EN 1074-2.
4. SERVICE CONNECTIONS SHALL NOT BE PROVIDED WITHIN 2m OF THE AIR VENT LOCATION.
5. AIR VENT CHAMBERS SHALL BE OF CONCRETE OR PRECAST CONCRETE OR FRP. ALTERNATIVELY PROPRIETARY PREFABRICATED CHAMBER UNITS MAY ALSO BE USED, SUBJECT TO REVIEW BY IRISH WATER.
6. PRECAST CONCRETE CHAMBERS SHALL BE SUBMERGED BY A MINIMUM OF 150mm COMPACTED CLASS 808 MATERIAL AS PER STD-W-13.
7. DUCTILE IRON PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 545.
8. 200mm ALL AROUND, 100mm DEEP CONCRETE PLINTH AROUND COVER IN GREEN AREAS.
9. ALL CHAMBERS (NOT SHOWING) SHALL BE COVERED WITH APPROVED DRAINAGE DRAWING STD-W-28 AT ALL TEES, BENDS, TAPERS, DEAD ENDS AND PIPES AT STEEP SLOPES.
10. UNTI-CORROSION TAPE TO BE PROVIDED AROUND BURIED FLANGES.
11. ALL CHAMBERS SHALL BE COVERED WITH APPROVED DRAINAGE DRAWING STD-W-28 IN ALL WATER TO ENSURE THAT THE RISK OF CONTAMINATION THROUGH THE VALVE IS ELIMINATED.
12. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
13. ALL AUTHORITY'S REQUIREMENTS.
14. ANY SPECIAL ROAD REINSTATEMENT AROUND COVER AND FRAME SHALL BE TO ROAD AUTHORITY'S REQUIREMENTS.
15. NEW ROAD CONSTRUCTION AND SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
16. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINES FOR OPENING AND CLOSING OF ROADWAYS FOR THE PURPOSES OF TRANSPORT, TOURISM AND SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS".



SECTION

ON-LINE AIR VALVE CHAMBER FROM IW-CDS-5020-01 STD-W-22 REV 3
SCALE 1:10

P04	S4	15.07.2026	Issued for Planning.	P.C.	N.N.	P.C.
P03	S4	07.07.2026	Issued for Planning.	P.C.	N.N.	P.C.
P02	S4	10.11.2025	Issued for Pre-Planning.	P.C.	N.N.	P.C.
P01	S4	01.10.2025	Issued for Planning.	P.C.	N.N.	P.C.

Issue	Suitability	Date	Description	Designed	Drawn	Approved
Project Confey Lands LRD, Leixlip			Drawing Title Watermain Details Sheet 4 of 5	 CHC <i>Coastlines Hydrographical Consulting</i>		

Client		Originator.	Area.	Level.	Type.	Role.	Number.
Leixlip and Newbridge SPV Limited		CHC	-00	-GR	-DR	-C	-00333

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