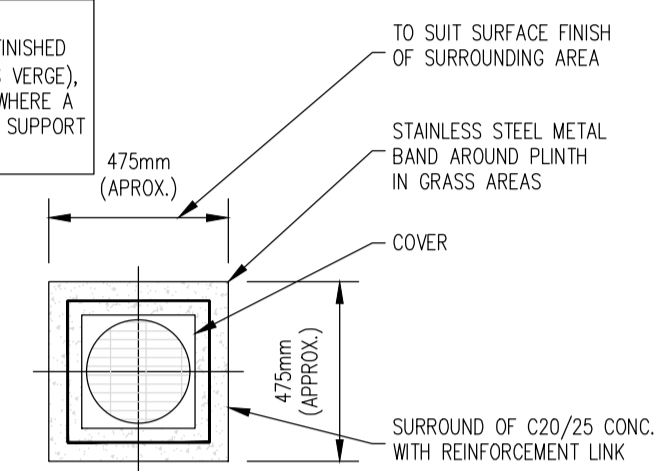


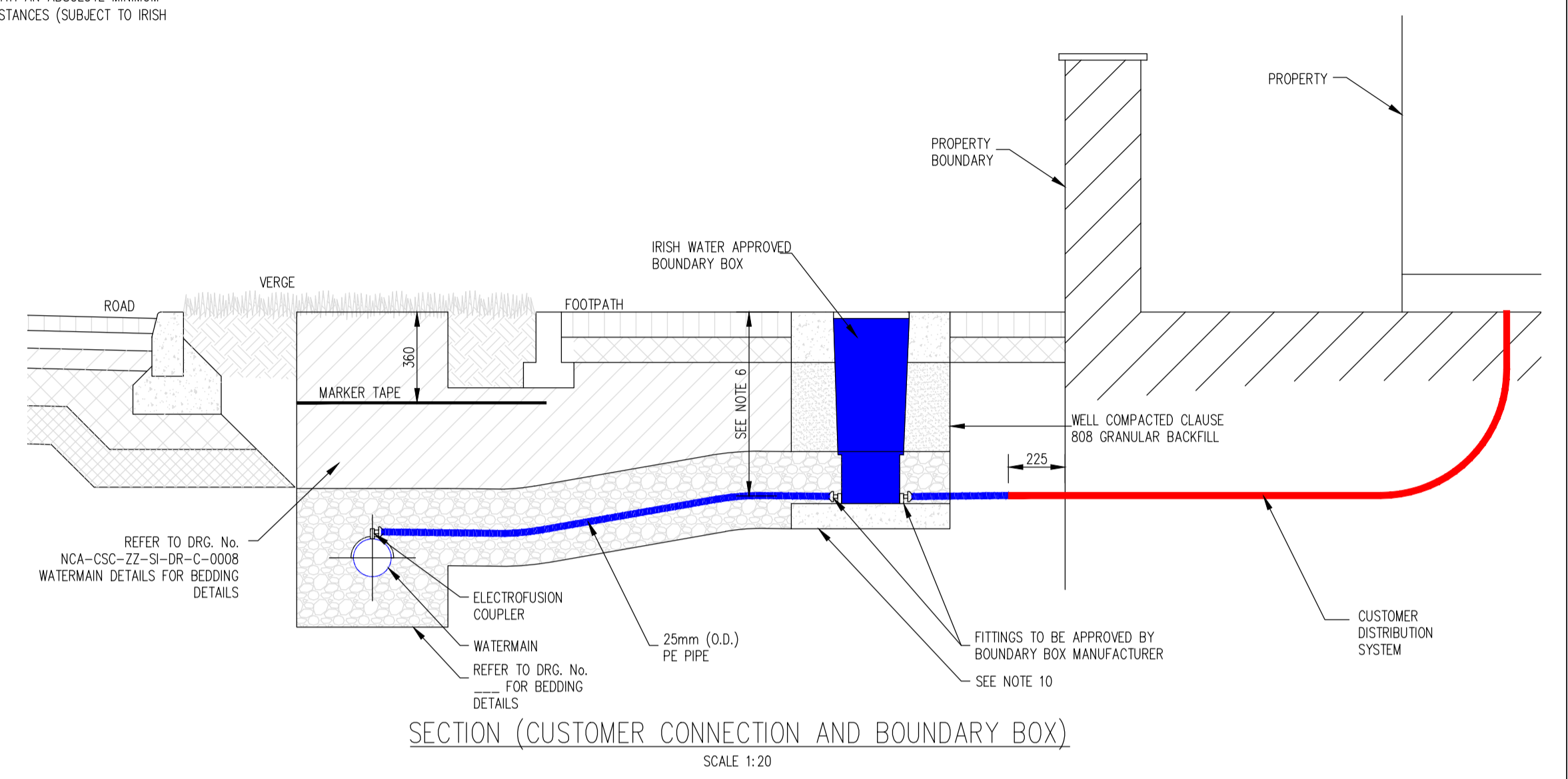
WATER SERVICE CONNECTION RESPONSIBILITY
SCALE 1:50

- GENERAL NOTES:-
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
 2. FOR CONNECTION TO AN EXISTING MAIN THE CONNECTION SHALL BE AS PER THE PIPE MANUFACTURERS SPECIFICATION.
 3. ELECTROFUSION COUPLING TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 4. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN206.
- BOUNDARY BOX NOTES:-
5. THE BOUNDARY BOX TO BE IN ACCORDANCE WITH THE IRISH WATER SPECIFICATION, INCORPORATING A G.I.S. MANIFOLD, STOP-TAP, FROST PLUG AND NON RETURN VALVE.
 6. THE BOUNDARY BOX SHALL BE POSITIONED IN PUBLIC SPACE AND AS CLOSE AS POSSIBLE TO THE PROPERTY BOUNDARY BUT NO PART OR FITTING TO BE WITHIN 225mm OF THE PROPERTY LINE.
 7. THE BOUNDARY BOX SHALL BE LOCATED WHERE IT IS SAFE TO OPEN THE COVER AND ACCESS THE STOP TAP OR VISUALLY READ THE METER, I.E. ON A FOOTPATH OR VERGE AND NOT IN A CARRIAGEWAY.
 8. THE SURFACE BOX COVER ON THE BOUNDARY BOX SHOULD BE NOT LESS THAN GRADE C (BS 5834-2:2011), AND THE BOUNDARY BOX SHOULD BE LOCATED SUCH THAT HEAVIER GRADES OF COVER WOULD NOT BE REQUIRED.
 9. THE SHAFT OF THE BOUNDARY BOX SHOULD BE INSTALLED VERTICALLY AND THE SURFACE BOX/COVER INCLINED TO MATCH THE SURFACE GRADIENT.
 10. THE BOUNDARY BOX IS TO BE INSTALLED AT A MINIMUM DEPTH OF 600mm (+/-25mm) TO THE CROWN OF THE INLET AND THE OUTLET FITTINGS ON THE OUTSIDE OF THE BOX.
 11. THE SERVICE CONNECTION PIPE SHALL NOT BE WRAPPED AROUND THE SHAFT OF THE BOUNDARY BOX OR BENT IN ANY RADIUS LESS THAN THAT APPROVED BY THE MANUFACTURER.
 12. THE PIPE FITTINGS TO THE BOUNDARY BOX SHALL BE APPROVED BY THE BOUNDARY BOX MANUFACTURER.
 13. THE BOUNDARY BOX SHALL BE INSTALLED HYGIENICALLY AND LEFT CLEAN AND FREE OF CONSTRUCTION WASTE OR DIRT FOR LATER METER INSTALLATION BY IRISH WATER.
 14. BOX TO BE FOUNDED ON 100mm DEPTH OF C12/15 CONCRETE AND SURROUNDED WITH CLAUSE 808 GRANULAR MATERIAL. THE DESIRABLE MINIMUM DEPTH OF COVER FROM THE FINISHED GROUND LEVEL TO THE EXTERNAL CROWN OF A SERVICE CONNECTION SHALL BE 750mm WITH AN ABSOLUTE MINIMUM DEPTH OF 600mm FOR SHORT DISTANCES (SUBJECT TO IRISH WATER AGREEMENT).

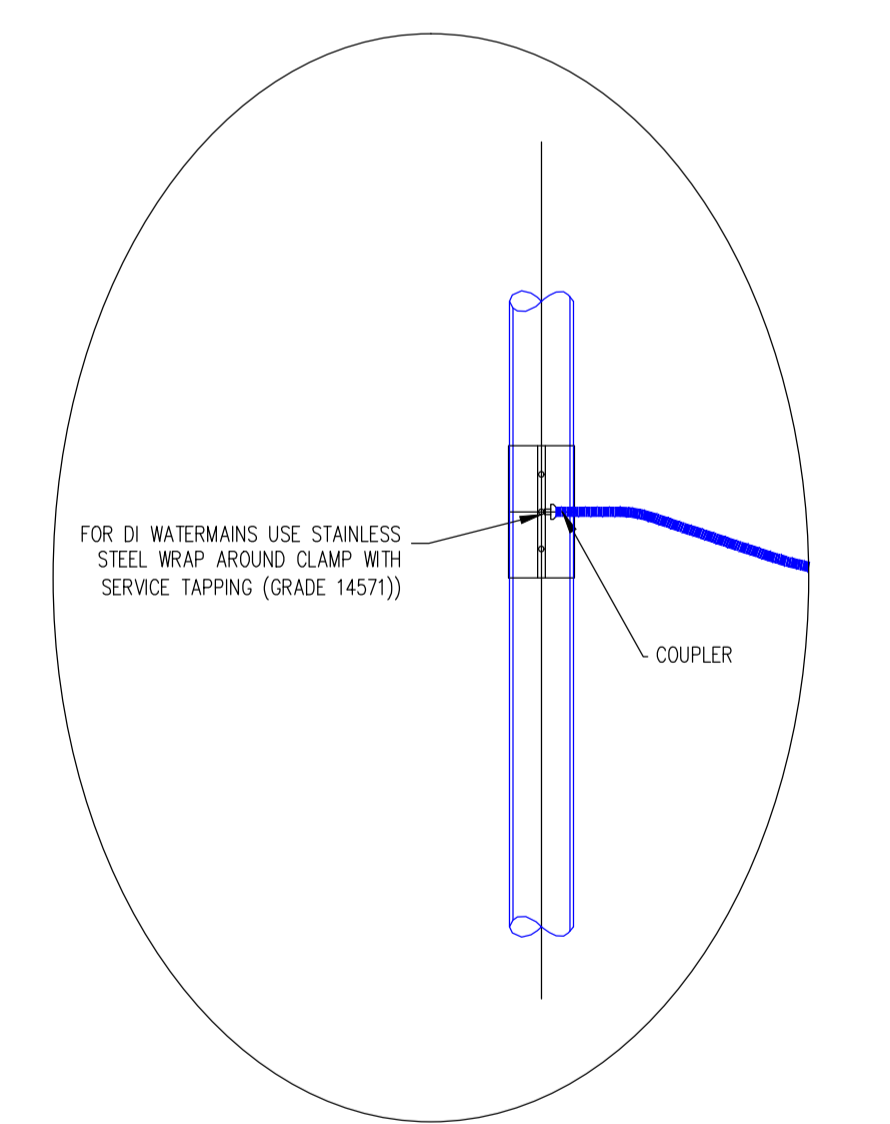
NOTE: THIS DETAIL APPLIES WHERE THE FINISHED SURFACE EITHER UNBOUND (GRASS VERGE), BRICK PAVING OR MACADAM AND WHERE A CONCRETE PLINTH IS REQUIRED TO SUPPORT THE TOP OF THE BOUNDARY BOX



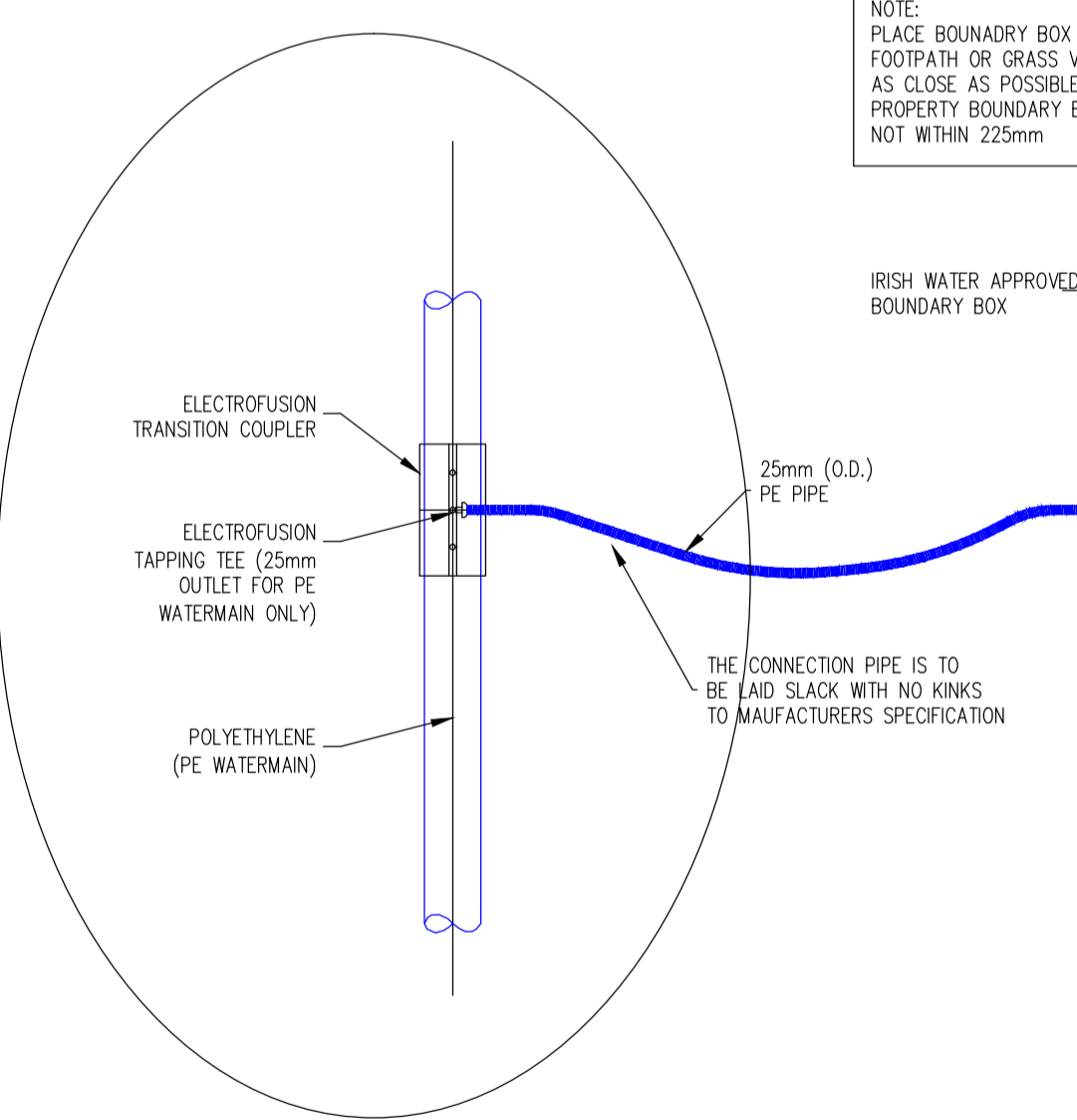
PLAN (CONCRETE SURROUND TO BOUNDARY BOX)
SCALE 1:20



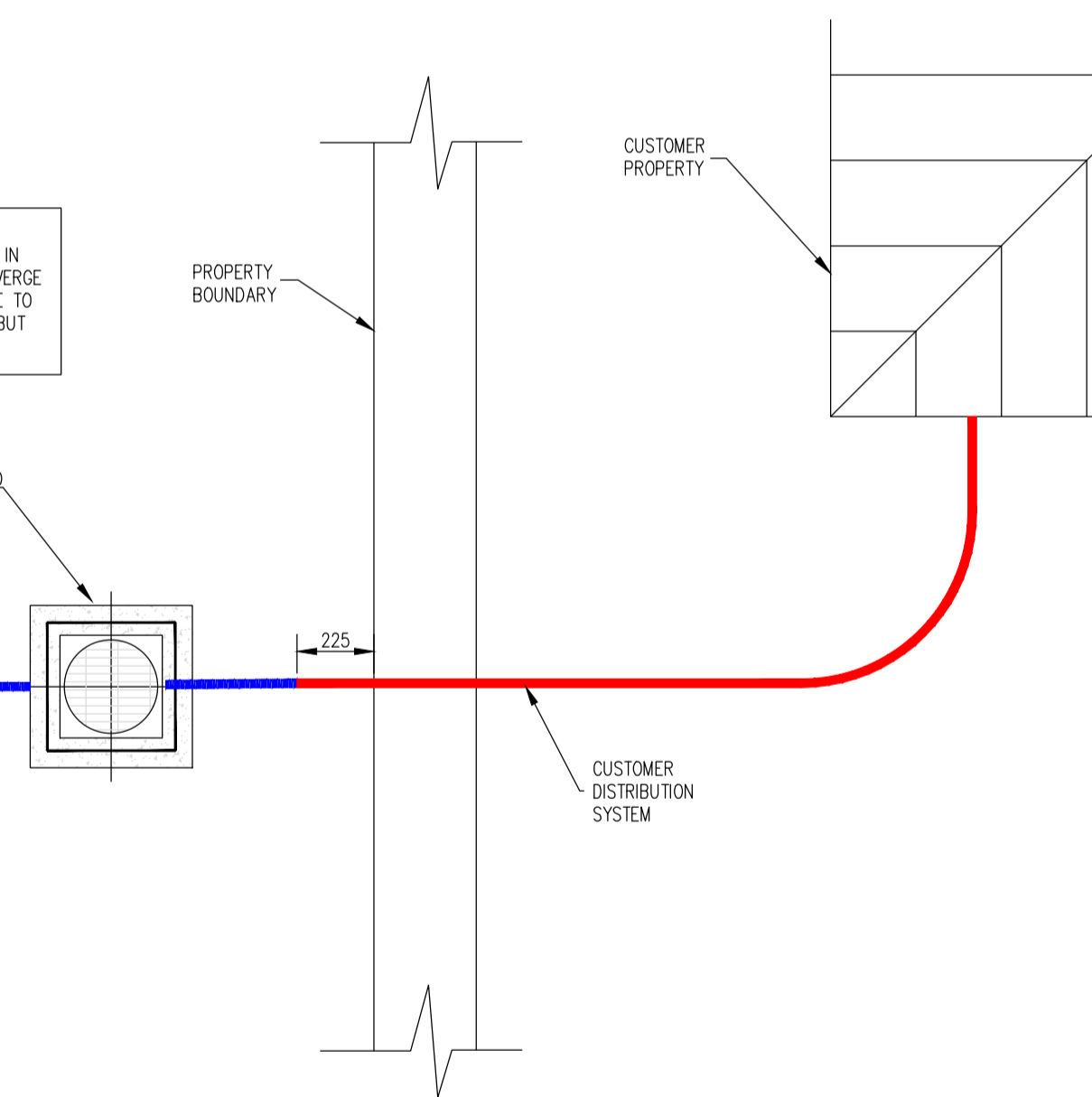
SECTION (CUSTOMER CONNECTION AND BOUNDARY BOX)
SCALE 1:20



FOR DUCTILE IRON (DI) WATERMAIN ONLY
SCALE 1:20

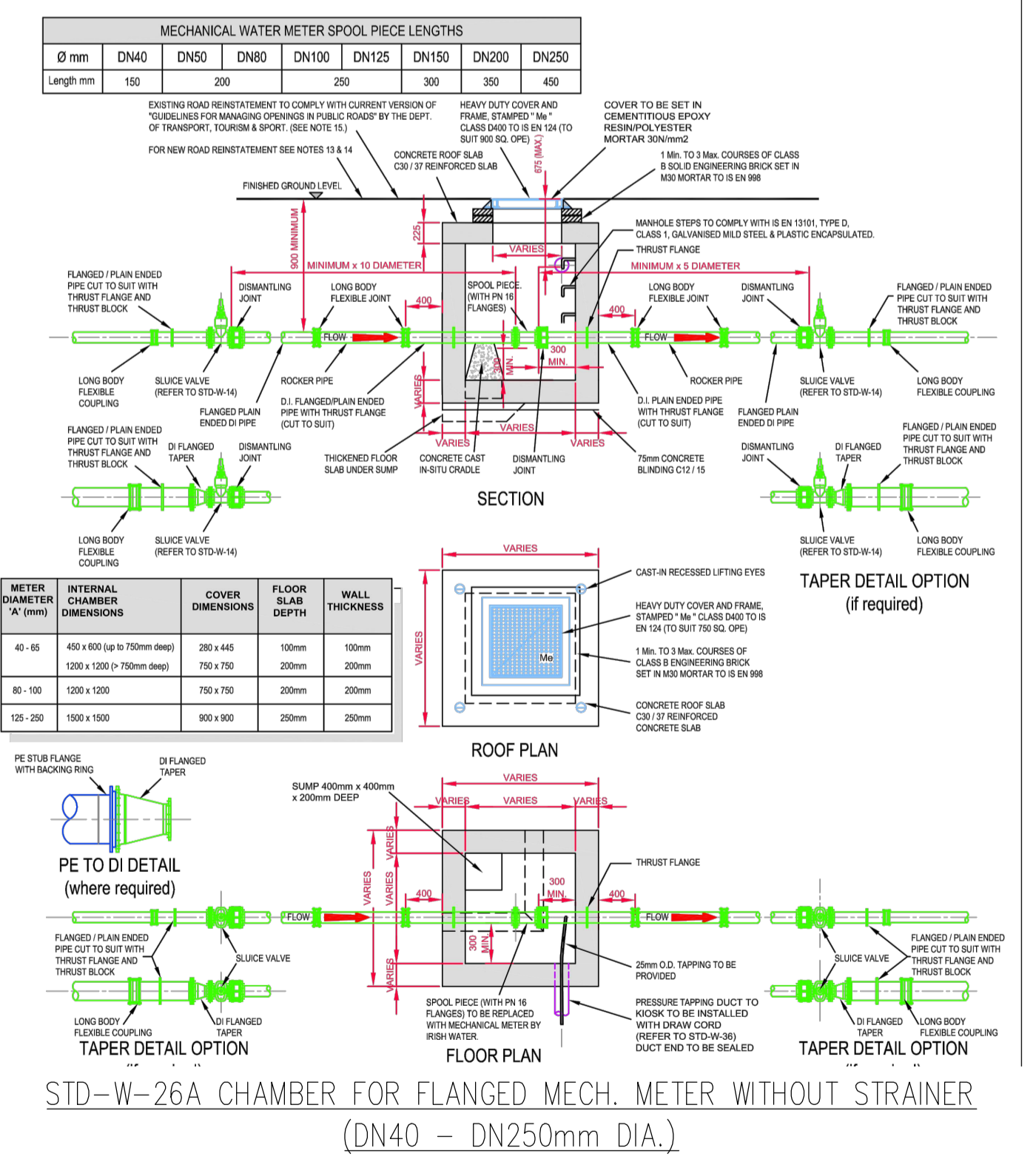


FOR POLYETHYLENE (PE) WATERMAIN ONLY
SCALE 1:20



PLAN (CUSTOMER CONNECTION AND BOUNDARY BOX)
SCALE 1:20

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. STRUCTURAL DESIGN AND REINFORCEMENT DETAILS 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, PRECAST CONCRETE ROOFS MAY BE USED, SUBJECT TO IRISH WATER REVIEW, A COMPLIANCE WITH IS EN 1917 & IS 430, Part 4, CONCRETE FOR CHAMBERS TO BE C20/25.
3. PRECAST UNITS COMPLETED WITH RUBBER SEALING GASKETS BETWEEN UNITS, COMPLYING WITH THE REQUIREMENTS OF IS EN 1917 AND IS 430, COMPLETE WITH 100mm CONCRETE SURROUND MAY BE USED AS AN ACCEPTABLE ALTERNATIVE.
4. CONCRETE SHALL BE COVERED WITH APPROXIMATELY 100mm DEEP CONCRETE PLINTH AROUND PLINTH WITH REINFORCEMENT LINKS.
5. 200mm ALL ROAD, 100mm DEEP CONCRETE PLINTH AROUND COVER IN GRASS AREAS.
6. ANY CONCRETE PIPE TO BE INSTALLED SHALL BE INSTALLED WITH A MINIMUM DEPTH OF COVER FROM THE FINISHED GROUND LEVEL TO THE CROWN OF THE PIPE OF 600mm.
7. DUCTILE IRON PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 846. PE PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 12201/2011.
8. ALL CHAMBERS TO BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF IS EN 12201/2011. THE SHAFT OF THE BOUNDARY BOX SHALL BE INSTALLED VERTICALLY AND THE SURFACE BOX/COVER INCLINED TO MATCH THE SURFACE GRADIENT.
9. PREPARED TO BE EXPANDED TO ACCOMMODATE THE REQUIRED RANGE OF PIPE FROM METER, STRAIGHT PIPE LENGTHS UPSTREAM AND DOWNSTREAM OF THE METER TO BE PROVIDED. IF THE METER IS NOT CAPABLE OF ACCURATE FLOW MEASUREMENTS, A PRESSURE FLOW METER SHALL BE PROVIDED WITH APPROPRIATE VALVES, FITTINGS AND PERIPHERALS.
10. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
11. A SINGLE METER CHAMBER OR TWO METERS WHERE APPLICABLE, TO THE METER SUPPLIER'S REQUIREMENTS, TO LOCATE THE METER. IF A STRAINER IS REQUIRED DUE TO WATER QUALITY, IT SHALL BE LOCATED IN THE METER CHAMBER OR IN A SEPARATE STRAINER CHAMBER. SEE STD-W-26A.
12. ANY SPECIAL ROAD REINFORCEMENT AND COVER FRAME SHALL BE TO ROAD AUTHORITY'S REQUIREMENTS.
13. NEW ROAD CONSTRUCTION SURFACE FINISH TO BE TO ROAD AUTHORITY'S REQUIREMENTS.
14. EXISTING ROAD REINFORCEMENT AND COVER FRAME SHALL BE TO ROAD AUTHORITY'S REQUIREMENTS.
15. DETAILS TO PROVIDE BRICK RISER WATER TO REMOVE THE SHAFT FROM ANALYSIS NOTED OTHERWISE FOR SHOOTING DRUGS. (PIPE LENGTH)
16. KIOSK AND SLUICE NOT REQUIRED EXCEPT WHERE FLOW METER CHAMBER IS LOCATED IN A TRAFFICATED AREA OR AS OTHERWISE REQUIRED BY IRISH WATER.
17. DETAILS SHOWN HERE ARE FOR HOUSING DEVELOPMENTS WITH 40-60 UNITS TYPICAL.



STD-W-26A CHAMBER FOR FLANGED MECH. METER WITHOUT STRAINER
(DN40 - DN250mm DIA.)

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NOTES

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Rev. No.	Date	REVISION NOTE
P1	17.07.2023	ISSUED FOR STAGE 2
P2	20.02.2024	REVISED FOLLOWING IW SODA COMMENTS
P3	22.02.2024	ISSUED FOR PLANNING

Rev. No.	Date	REVISION NOTE

Architect	Michael Fitzpatrick (MFA)
Project	Drumclark Development Co. Cavan
Title	Proposed Watermain Details Sheet 2
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Drawn by	SC
Checked by	JF
Approved by	NB
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Revision	P3

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I.S. EN ISO 14001:2004
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OHSAS 18001:2007