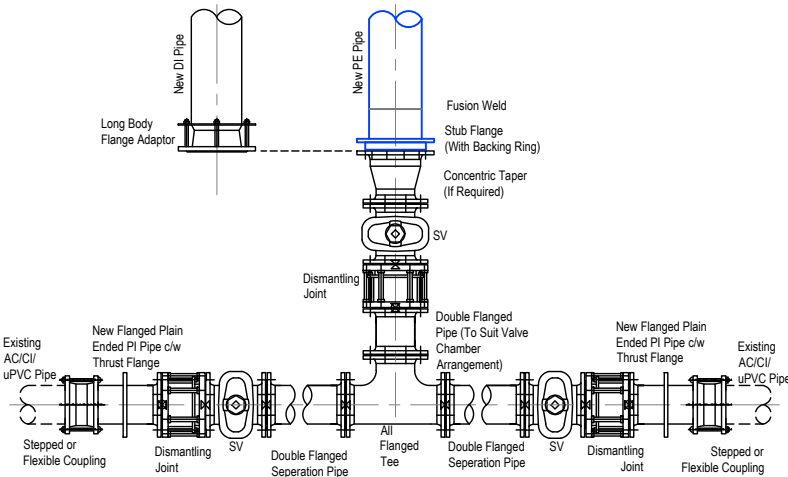
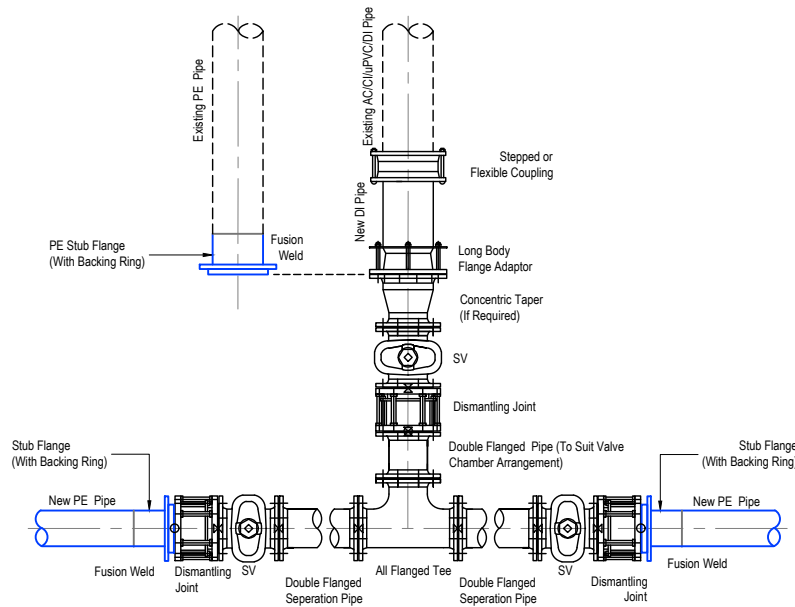


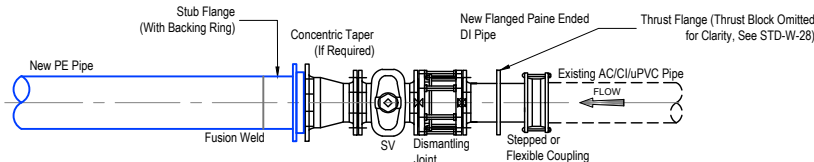
NEW PE - EXISTING AC / CI / uPVC (SAME SIZE AS NEW)



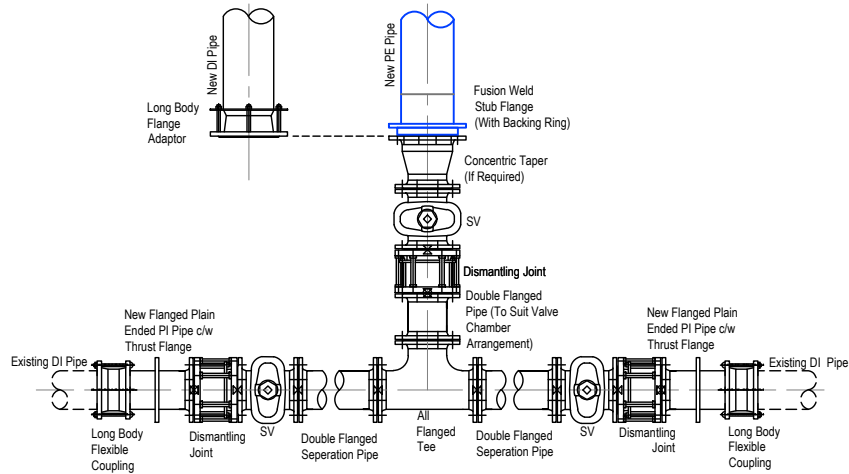
NEW PE / DI - EXISTING AC / CI / uPVC



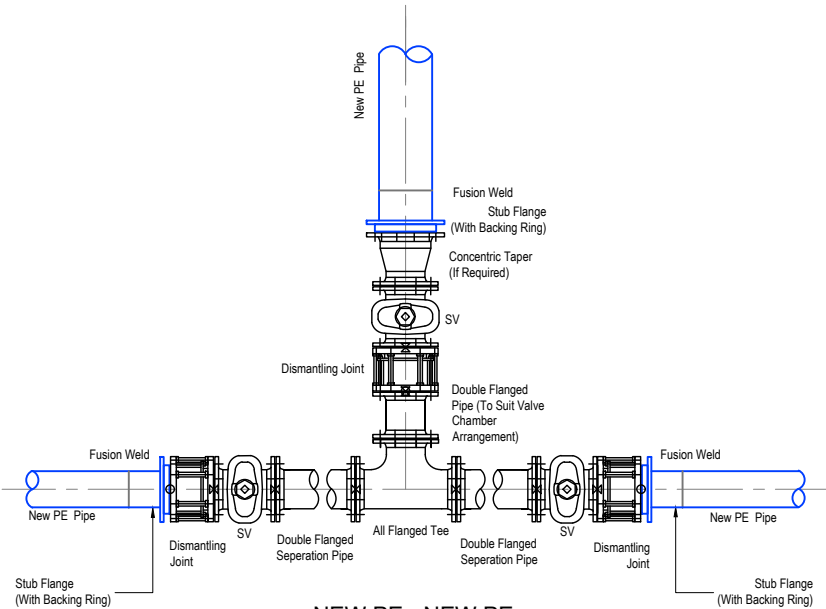
NEW PE - EXISTING AC / CI / uPVC / DI / PE



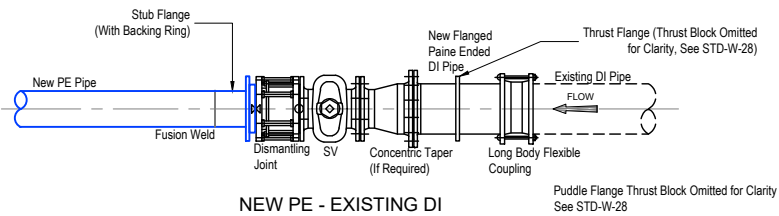
NEW PE - EXISTING AC / CI / uPVC (DIFFERENT SIZE TO NEW)



NEW PE / DI - EXISTING DI

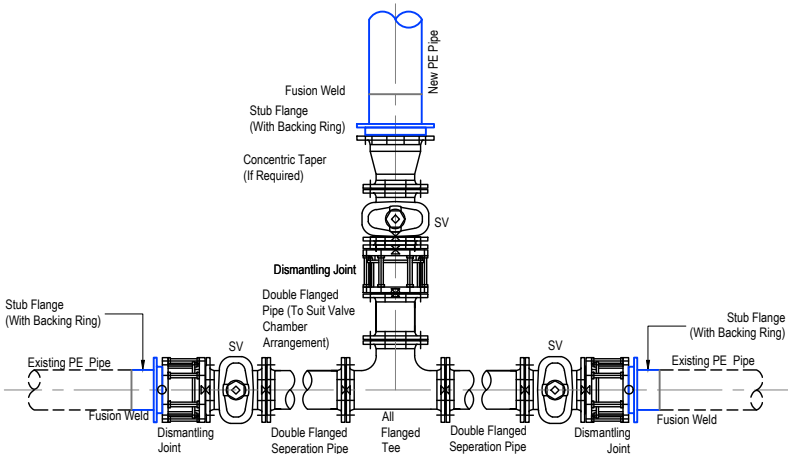


NEW PE - NEW PE

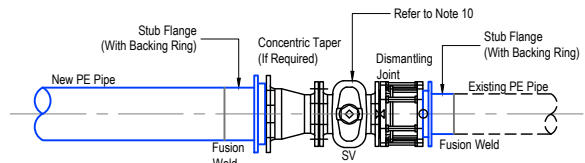


NEW PE - EXISTING DI

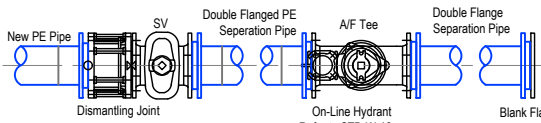
Puddle Flange Thrust Block Omitted for Clarity See STD-W-28



NEW PE - EXISTING PE



NEW PE - EXISTING PE



TEMPORARY "DEAD-END" DETAIL (FOR FUTURE EXTENSION) - PE

General Notes:

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. FOR CONNECTION TO AN EXISTING MAIN THE CONNECTION SHALL BE AS PER THE PIPE MANUFACTURER'S SPECIFICATION.
3. ELECTRO FUSION COUPLING TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
4. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
5. ALL BENDS, TEES, DEAD ENDS, ETC. OF PIPELINES TO BE ADEQUATELY RESTRAINED BY THRUST BLOCKS AS PER DRAWING No. STD-W-28. THRUST BLOCKS NOT SHOWN FOR CLARITY.
6. BUTT FUSION WELDING AND ELECTRO FUSION JOINTING OF PIPES SHALL ONLY BE CARRIED OUT BY TRAINED OPERATIVES IN POSSESSION OF A CURRENT TRAINING CERTIFICATE, USING FULLY AUTOMATIC APPROVED JOINTING MACHINE/ RIGS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE IDENTITY OF THE PIPELINE MANUFACTURER SHALL BE MADE KNOWN TO IRISH WATER PRIOR TO COMMENCEMENT OF THE INSTALLATION. CERTIFICATES AND TESTING (INCLUDING INDEPENDENT THIRD PARTY CERTIFICATION) SHALL BE PROVIDED TO CONFIRM QUALITY ASSURANCE COMPLIANCE. EACH JOINT SHALL BE CLEARLY MARKED WITH THE JOINT LOGGED AUTOMATICALLY ON THE JOINTING MACHINE. A PRINTOUT OF THE JOINT DETAILS, WITH A GPS LOCATION OF EACH JOINT, SHALL BE PROVIDED AND MAINTAINED FOR QUALITY ASSURANCE PURPOSES.
7. CONNECTING TO EXISTING MAINS IS TO BE CARRIED OUT BY IRISH WATER OR AN APPROVED IRISH WATER AGENT.
8. WHEN EXISTING AC WATERMANS ARE PRESENT A SPECIFIC METHOD STATEMENT SHALL BE SUBMITTED TO IRISH WATER PRIOR TO WORKS TAKING PLACE AND SUBJECT TO WRITTEN APPROVAL. DETAILING THE PROTECTION TO BE PUT IN PLACE TO EXISTING MAINS, METHOD OF REMOVAL OF EXISTING AC, METHOD OF DISPOSAL OF EXISTING AC AND METHOD OF CONNECTION TO EXISTING AC.
9. PIPE MATERIAL REFERENCES AS FOLLOWS:
AC - ASBESTOS CEMENT
DI - DUCTILE IRON
CI - CAST IRON
PE - POLYETHYLENE
uPVC - UNPLASTICISED POLY VINYL CHLORIDE
ST - STEEL
OTHER - REFERS TO ALL EXISTING PIPE MATERIAL OTHER THAN PE (TYPICALLY AC, DI, CI, uPVC & ST)
10. SLIUCE VALVE CHAMBER TO BE IN ACCORDANCE WITH STD-W-14 (DI) AND STD-W-15 (PE), CHAMBERS NOT SHOWN FOR CLARITY.
11. ALL THRUST FLANGES TO BE ADEQUATELY RESTRAINED BY THRUST BLOCKS AS PER DRAWING No. STD-W-28. THRUST BLOCKS NOT SHOWN FOR CLARITY.
12. A HIGH LEVEL OF HEALTH & SAFETY PROCEDURES IS REQUIRED WHEN WORKING ON AC MAINS, & THE OPERATION OF DISMANTLING/ REMOVAL OF AC PIPES & JOINTS.
13. VALVES SHALL BE ARRANGED IN SUCH A MANNER TO ALLOW FOR THE NETWORK TO BE MANAGED TO ENSURE THAT NO MORE THAN 40 PROPERTIES LOSE WATER FROM A BURST ON THE SYSTEM AT ANY ONE TIME.
14. VALVE CHAMBER TO BE IN ACCORDANCE WITH STD-W-14 (DI) AND STD-W-15 (PE), CHAMBER NOT SHOWN FOR CLARITY.

NOTES ABOVE ARE FOR INFORMATION ONLY. WHERE CONFLICTS WITH USICE 'BREAM LATEST' WATER INFRASTRUCTURE DETAILS - CONNECTION AND DEVELOPER SERVICES, USICE BREAM SPECIFICATIONS TAKE PRECEDENT

B02	Tender	LMcG	AA	19/08/2026
B01	Pre-Tender	LMcG	AA	05/02/2026
Rev:	Description:	By:	App:	Date:

Status:

TENDER

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Project:

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Drawing:

Watermain Details
(Sheet 02)

Scale At A3: NTS	Date: AUG 2026	Job No: D2104	Status Code: X
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Drawing Number: D2104DR0005-02	Revision: B02
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