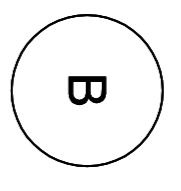
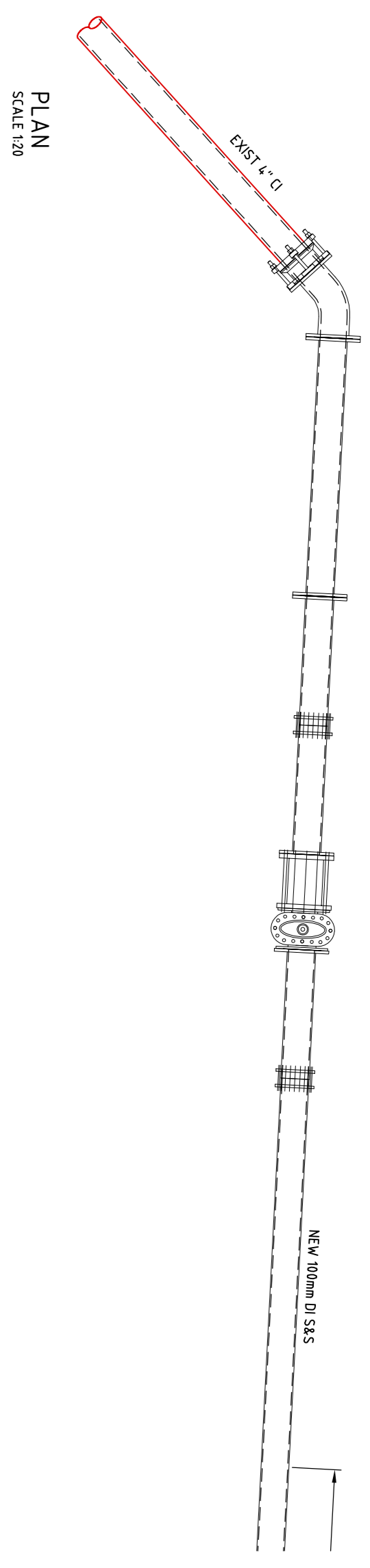


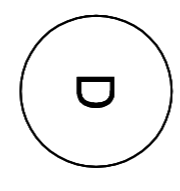
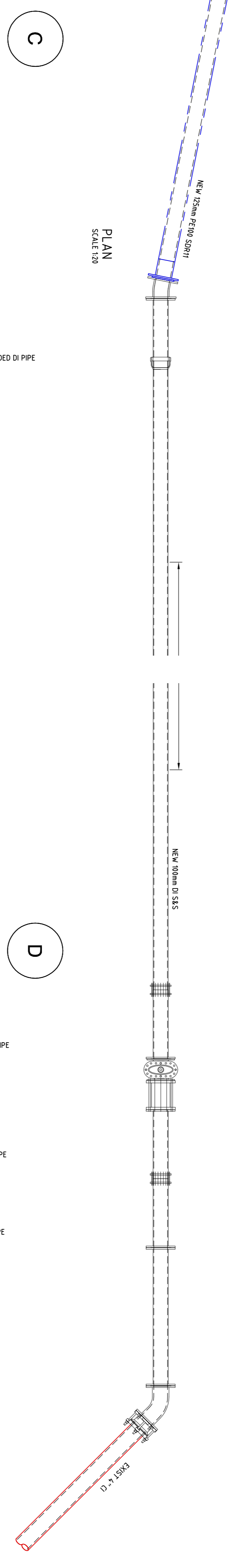
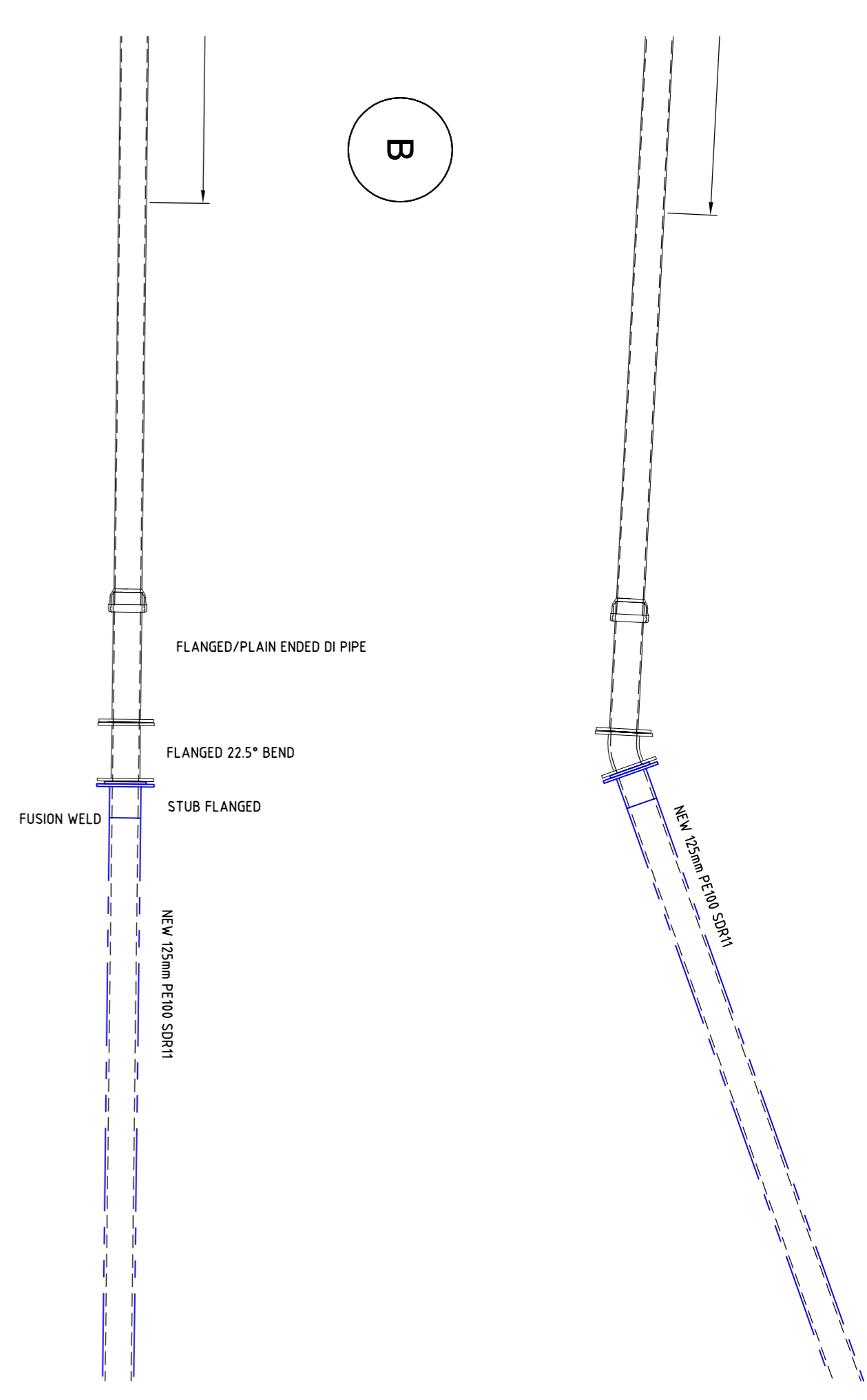
1. ALL DIMENSIONS ARE IN MILLIMETRES (MM) UNLESS NOTED OTHERWISE.
2. ALL BENDS, TEES, ROAD ENDS, ETC. OF PIPELINES TO BE APPROXIMATELY RESTRAINED BY THRUST BLOCKS AS PER DRAWING NO. STD-M-28. THRUST BLOCKS NOT SHOWN FOR CLARITY.
3. BUTT FUSION WELDING AND ELECTRO FUSION JOINING OF PIPES SHALL ONLY BE CARRIED OUT BY TRAINED OPERATIVES IN POSSESSION OF A CURRENT TRAINING CERTIFICATE, USING FULLY AUTOMATIC APPROVED JOINTING MACHINES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE JOINTING MACHINE SHALL BE MAINTAINED AND BE MADE KNOWN TO IRISH WATER PRIOR TO COMMENCEMENT OF THE INSTALLATION. CERTIFICATION AND TESTING INCLUDING INDEPENDENT THIRD PARTY CERTIFICATION SHALL BE PROVIDED TO COMPLY WITH THE REQUIREMENTS OF THE WATER ACT 2009 AND THE WATER SERVICES AUTHORITY (WASA) REGULATIONS. 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 RETAINED FOR QUALITY ASSURANCE PURPOSES.
4. CONNECTING TO EXISTING MAINS IS TO BE CARRIED OUT BY IRISH WATER OR AN APPROVED IRISH WATER AGENT.
5. 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 METHOD OF EXISTING AC MAINS TO BE REMOVED OR DISPOSED OF. THE METHOD OF CONNECTION TO EXISTING AC.
6. PIPE MATERIAL REFERENCES AS FOLLOWS:
DI - DUCTILE IRON
CI - CAST IRON
PE - POLYETHYLENE
UPVC - UNPLASTICISED POLY VINYL CHLORIDE
ST - STEEL OTHER - REFERS TO ALL EXISTING PIPE MATERIALS OTHER THAN PE, AC, DI, CI, UPVC & STI
7. SLUICE VALVE CHAMBERS TO BE IN ACCORDANCE WITH STD-M-14, (DI) AND STD-M-15 (PE) CHAMBERS NOT SHOWN FOR CLARITY.
8. ALL THRUST FLANGES TO BE APPROXIMATELY RESTRAINED BY THRUST BLOCKS AS PER DRAWING NO. STD-M-28. THRUST BLOCKS NOT SHOWN FOR CLARITY.
9. A HIGH LEVEL OF HEALTH & SAFETY PROCEDURES IS REQUIRED WHEN WORKING ON AC MAINS, & THE OPERATION OF DISMANTLING/REMOVAL OF VALVES SHALL BE ARRANGED IN SUCH A MANNER TO ALLOW FOR THE NETWORK TO BE MAINTAINED TO ENSURE THAT NO MORE THAN 40 PROPERTIES LOSE WATER FROM A BURST ON THE SYSTEM AT ANY ONE TIME.

PIPE COMPARISONS
CI - CAST IRON - 4" - ID 101.6
DI - DUCTILE IRON - ID 100mm, OD 118mm
PE - POLYETHYLENE PE100 SDR11 - ID 101.2mm, OD 125

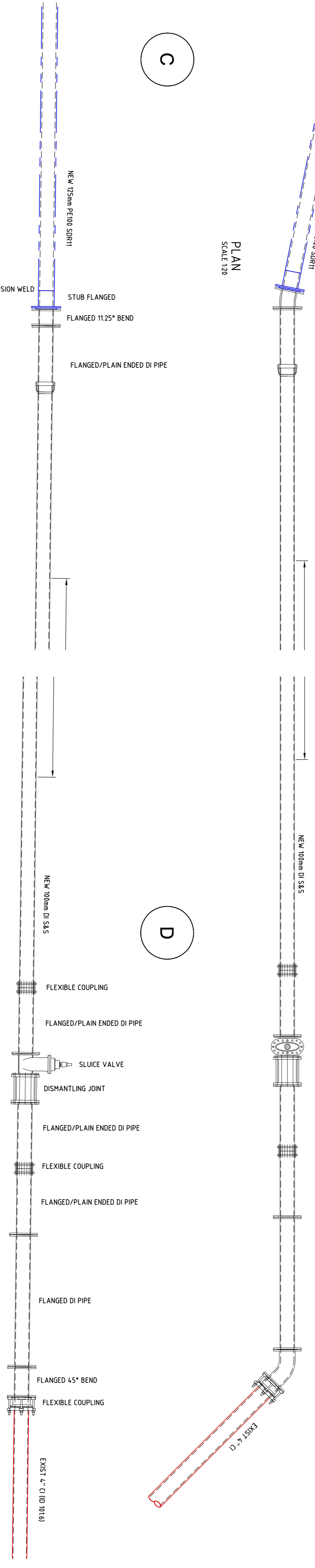
ALL PIPE TYPE TRANSITIONS TO BE IN ACCORDANCE WITH IW STD-M-04



SECTION
SCALE 1:20
FIRHOUSE ROAD TIE-IN



SECTION
SCALE 1:20
MOUNT CARMEL PLACE TIE-IN



NOT TO BE USED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	BY/CHKD/APPD

Client: **Bluemont Developments (Firhouse) Limited**

PHM consulting
Civil - Structural - Environmental
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Tel: +353 (0)61 576200 Email: info@phm.ie Web: www.phm.ie

STRATEGIC HOUSING DEVELOPMENT AT FIRHOUSE ROAD DUBLIN 24 WATERMAIN DIVERSION TIE-INS

Project Number	110-36	Scale	AS SHOWN
Drawn	04/2022	Client	AS SHOWN
Checked		Project Manager	
Approved			

Sheet: 142 of 142
Date: 04/2022
Project: PLANNING 02