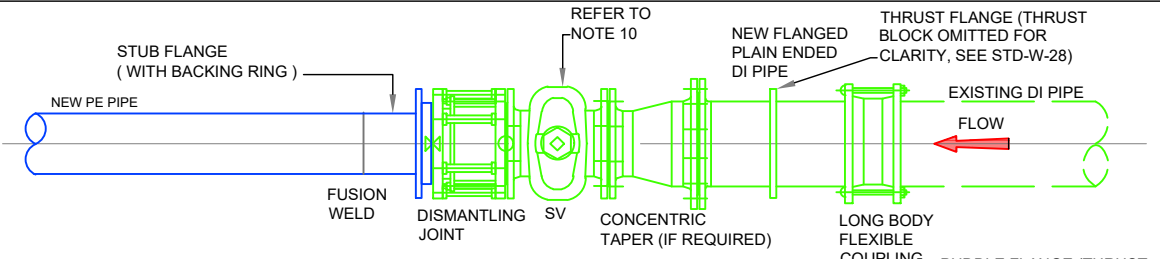
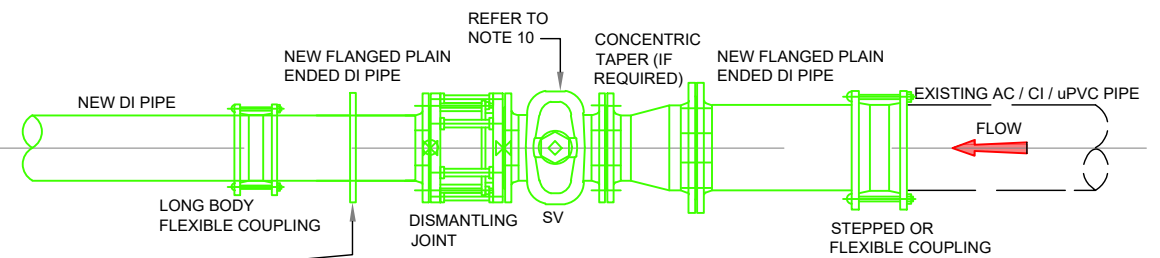


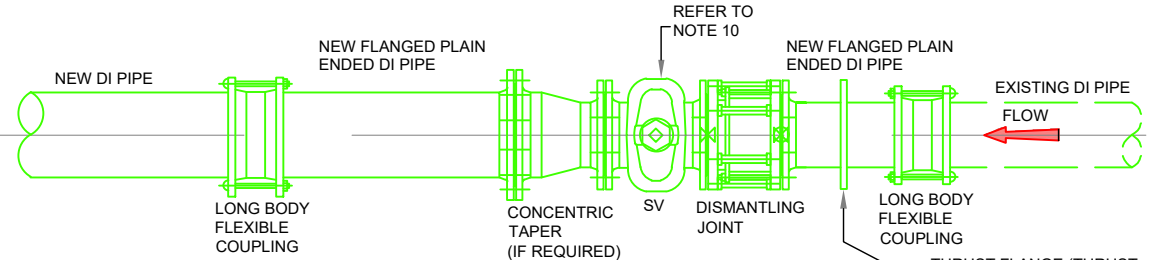
NEW PE - EXISTING AC / CI / uPVC (DIFFERENT SIZE TO NEW)



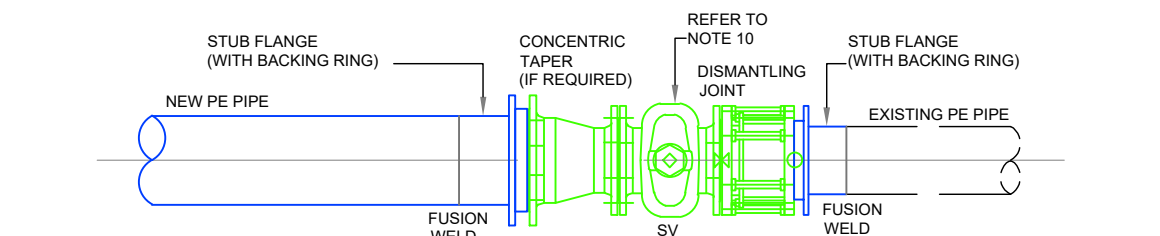
NEW PE - EXISTING DI



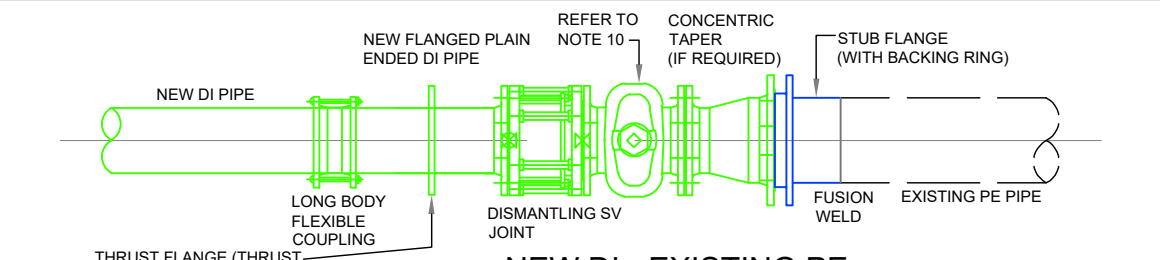
NEW DI - EXISTING AC / CI / uPVC



NEW DI - EXISTING DI



NEW PE - EXISTING PE



NEW DI - EXISTING PE

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. 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.
3. 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 PE PIPELINE MANUFACTURER SHALL BE MADE KNOWN TO IRISH WATER PRIOR TO COMMENCEMENT OF THE INSTALLATION. CERTIFICATION 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 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 WATERMAINS 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.
6. PIPE MATERIAL REFERENCES AS FOLLOWS:
AC - ASBESTOS CEMENT
DUCTILE IRON
CI - CAST IRON
PE - POLYETHYLENE
uPVC - UNPLASTICISED POLY VINYL CHLORIDE
ST - STEEL
OTHER - REFERS TO ALL EXISTING PIPE MATERIALS OTHER THAN PE (TYPICALL AC, DI, CI, uPVC & ST).
7. SLUICE VALVE CHAMBERS TO BE IN ACCORDANCE WITH STD-W-14 (DI) AND STD-W-15 (PE). CHAMBERS NOT SHOWN FOR CLARITY.
8. ALL THRUST FLANGES TO BE ADEQUATELY RESTRAINED BY THRUST BLOCKS AS PER DRAWING No. STD-W-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 AC PIPES & JOINTS.
10. 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.

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

**STANDARD DETAILS - WATER
GENERAL PIPE CONNECTIONS**

Connection & Boundary Box as per STD-W-04

Rev	By	Date	Description

Drawing Status: PLANNING

Project Title: Housing Development, Nash's Boreen, Fair Hill, Cork City

Drawing Title: General Pipe Connections (Watermain)

Client: Cork City Council

M.H.L. & Associates Ltd.
Consulting Engineers

MHL Carrraig Mór House, 10 High Street, Douglas Road, Cork
Tel: 021-4840214 Fax: 021-4840215 E-Mail: info@mhl.ie

Designed: GW	Drawn: GW	Checked: KM
Scale: 1:25 @ A3	Date: Aug 2022	
Job No: 21029HD	Drawing No: NBHD_SCD_P06	Revision: