



EXISTING 300mm Ø DUCTILE IRON WATER MAIN ON COLLINS AVENUE  
PROPOSED CONNECTION DETAIL  
SHOWN BELOW (STD-W-05  
GENERAL PIPE CONNECTIONS)

Ø150mm HDPE HIGH LEVEL OVERFLOW TO STORM WATER NETWORK

MARKER POST FOR WATER STORAGE TANK

Ø80mm WATERMAIN CONNECTION FOR TOP UP AND FILLING OF STATIC WATER STORAGE TANK

MINIMUM 20l/s FLOW REQUIRED FROM HYDRANTS FOR FIRE FIGHTING PURPOSES AT MULTI-OCCUPIED HOUSING DEVELOPMENTS AS PER "NATIONAL GUIDANCE DOCUMENT FOR THE PROVISION OF WATER FOR FIRE FIGHTING - WATER UK 3rd EDITION".

HYDRANTS TO BE TESTED ON COMPLETION OF WATERMAIN. TANK TO BE SIZED BASED ON WATER PRESSURE WITHIN THE NEW NETWORK. IF 20l/s IS ACHIEVED, STATIC WATER MAY NOT BE REQUIRED SUBJECT TO AGREEMENT WITH THE LOCAL AUTHORITY.

72m<sup>3</sup> STATIC STORAGE TANK WILL PROVIDE A FLOW OF 20l/s FOR 1 HOUR

DEDICATED HYDRANT CONNECTED TO STATIC WATER STORAGE

ZONE 1  
FFL +42.550

ZONE 2  
FFL +42.375

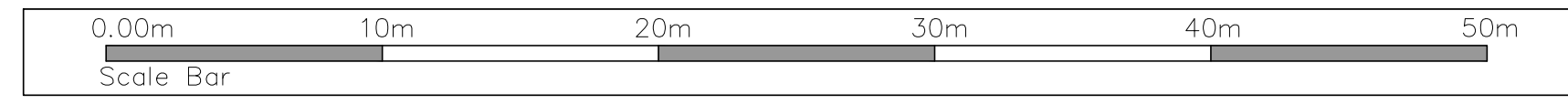
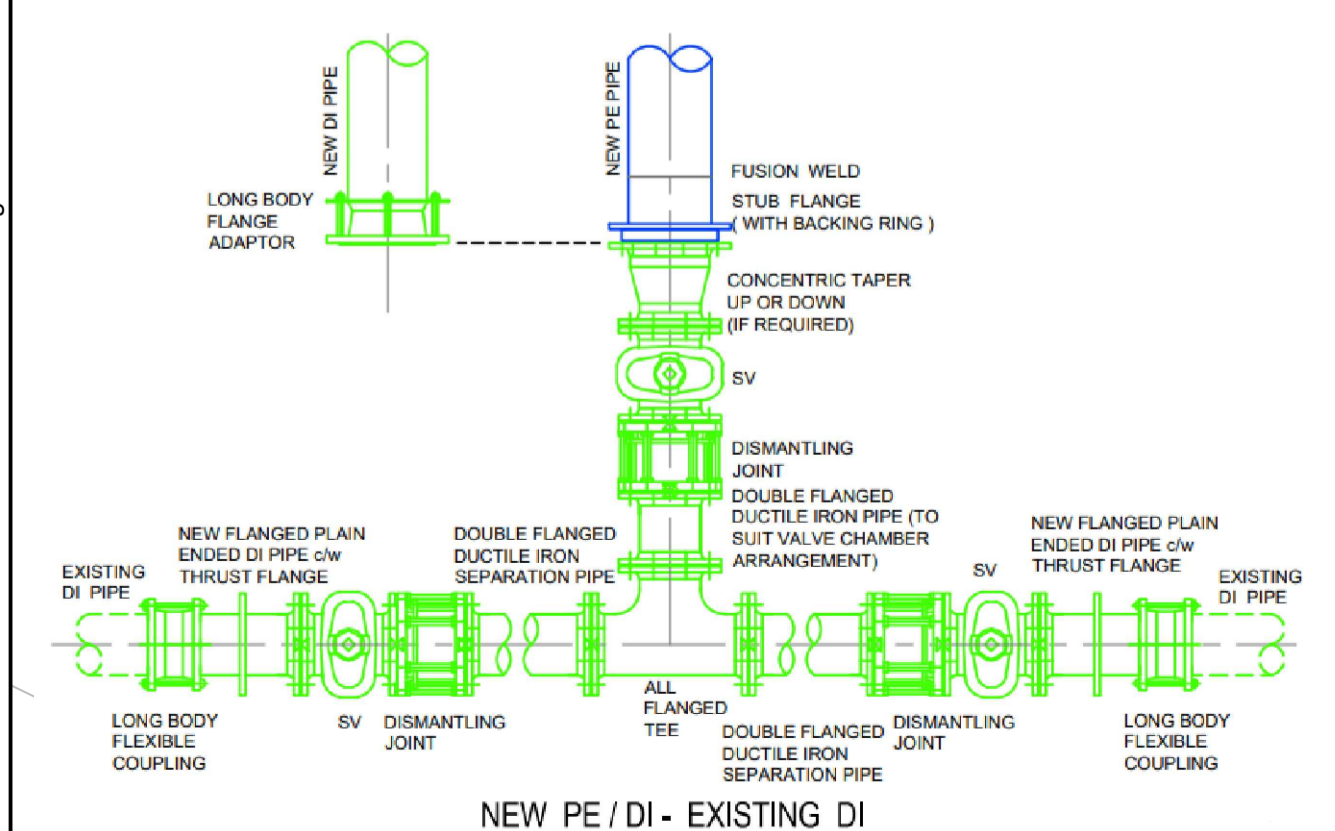
ZONE 3  
FFL +42.200

BIKE SHED  
FFL +42.450

SOUTH BLOCK  
FFL +42.800

**NOTE:**  
FOR APARTMENT BUILDINGS A BOOSTED WATER SUPPLY SYSTEM IS TO BE PROVIDED USING A CONNECTION VIA AN UNRESTRICTED AIR-GAP DEVICE (AA TYPE DEVICE, IS EN 1717) IN ACCORDANCE WITH SECTION 3.13 OF THE WATER CODE OF PRACTICE. METER IS TO BE SELECTED, SUPPLIED AND FITTED BY IW

PROPOSED CONNECTION DETAIL (STD-W-05 GENERAL PIPE CONNECTIONS)



LEGEND	
SITE BOUNDARY	
EXISTING 101.6mm CAST IRON WATER MAIN (STD-W-13)	
PROPOSED 150mm WATERMAIN (STD-W-13)	
PROPOSED SERVICE CONNECTION 80mm HDPE (STD-W-03)	
PROPOSED SLUICE VALVE (STD-W-07)	
PROPOSED HYDRANT (STD-W-18 / STD-W-19)	
PROPOSED AIR VALVE (STD-W-22 / STD-W-23)	
PROPOSED SCOUR VALVE (STD-W-30)	
PROPOSED BULK FLOW METER AND ASSOCIATED TELEMETRY SYSTEM (STD-W-26)	

General Notes:  
(i) Hard copies, dwf and pdf will form a controlled issue of the drawing. All other formats (dwg etc.) are deemed to be an uncontrolled issue and any work carried out based on these files is at the recipients own risk. RPS will not accept any responsibility for any errors from the use of these files, either by human error by the recipient, listing of the un-dimensioned measurements, compatibility with the recipients software, and any errors arising when these files are used to aid the recipients drawing production, or setting out on site. DO NOT SCALE, use figured dimensions only.  
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(iii) Information including topographical survey, geotechnical investigation and utility detail used in the design have been provided by others.  
(iv) All Levels refer to Ordnance Survey Datum, Malin Head.

Foul Sewer Notes:  
1. All foul sewer works shall be carried out in accordance with Irish Water Standard Details and Code of Practice for Wastewater Infrastructure Document CDS-5030-03.  
2. All pipe materials shall comply with Section 3.13 of the Irish Water Code of Practice for Wastewater Infrastructure Document CDS-5030-03.  
3. Foul sewer service connections and inspection chambers to each dwelling shall be in accordance with Irish Water standard detail STD-WW-02.  
4. All manhole chambers shall be in accordance with Irish Water standard detail STD-WW-10.  
5. Trench backfill and bedding shall be in accordance with Irish Water standard detail STD-WW-07.  
6. Concrete bed, haunch and surround shall be in accordance with Irish Water standard detail STD-WW-08.  
7. Separation distances from other services, boundary walls etc. shall be in accordance with Irish Water standard detail STD-WW-05.  
8. Separation distances from trees, shrubs etc. shall be in accordance with Irish Water standard detail STD-WW-06 & 06A.

Storm Sewer Notes:  
1. All pipe materials shall comply with Section 3.13 of the Irish Water Code of Practice for Wastewater Infrastructure Document CDS-5030-03.  
2. All manhole chambers shall be in accordance with Irish Water standard detail STD-WW-10.  
3. Trench backfill and bedding shall be in accordance with Irish Water standard detail STD-WW-07.  
4. Concrete bed, haunch and surround shall be in accordance with Irish Water standard detail STD-WW-08.

Watermain Notes:  
1. All watermain works shall be carried out in accordance with Irish Water Standard Details and Code of Practice for Water Infrastructure Document CDS-5020-03.  
2. All pipe materials shall be in compliance with Section 3.9 of Irish Water Code of Practice Document CDS-5020-03.  
3. Individual water service connections and boundary boxes to each dwelling shall be in compliance with Irish Water standard detail STD-W-02.  
4. Separation distances from other services, boundary walls etc. shall be in accordance with Irish Water standard detail STD-W-11.  
5. Separation distances from trees, shrubs etc. shall be in accordance with Irish Water standard detail STD-W-12 & 12A.  
6. On line and off-line air valve details shall be in accordance with Irish Water standard detail STD-W-22 & STD-W-23 respectively.  
7. Sluice valve details shall be in accordance with Irish Water standard detail STD-W-15.  
8. On line and off-line hydrant details shall be in accordance with Irish Water standard detail STD-W-18 & STD-W-19 respectively.  
9. Scour valve and chamber details shall be in accordance with Irish Water standard detail STD-W-30.

Rev	Date	Dim. Chk	Amendment / Issue	App
P03	14/04/22	PM/GB	ISSUE FOR PART 8 APPROVAL	DK
P02	03/02/22	AK/PM/GB	ISSUE FOR REVIEW	DK
P01	28/01/22	AK/PM/GB	ISSUE FOR REVIEW	PM/GB



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Project  
**PPP Social Housing Bundle 3**  
Collins Avenue, Whitehall, Dublin 9

Title  
**Water Main Layout**

Model File Identifier  
**SHB3-WHL-CS-RPS-DR-DA001**

File Identifier  
**SHB3-WHL-CS-RPS-DR-DA001-01**

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