



BY	DRAWING No. & REFERENCE	DATE
SURVEY		
ARCH	SHB5-FLD-DR-MOR-CS-P3-0003	03/09/2024
LSARCH	SHB5-FLD-DR-MAL-L-P1-0001	22/04/2024

NO PART OF THIS DRAWING MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR STORED IN ANY RETRIEVAL SYSTEM OF ANY NATURE WITHOUT THE WRITTEN PERMISSION OF MALONE O'REGAN CONSULTING ENGINEERS AS COPYRIGHT HOLDER EXCEPT AS AGREED FOR USE ON THE PROJECT FOR WHICH THE DRAWING WAS ORIGINALLY CREATED.

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, SPECIFICATIONS AND THE PRELIMINARY HEALTH & SAFETY PLAN.

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE. DO NOT SCALE DIMENSIONS.

THE CONTRACTOR SHALL CHECK ALL DIMENSIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED TO THIS OFFICE IN WRITING.

NOTES

WATERMAIN LEGEND	
	PROPOSED WATERMAIN LINE
	PROPOSED HYDRANT
	PROPOSED AIR VALVE
	PROPOSED SLUICE VALVE
	PROPOSED WATER METER
	PROPOSED THRUST BLOCK
	EXISTING WATERMAIN LINE
	EXISTING HYDRANT
	EXISTING WATER METER
	INDICATES WATERMAINS TO BE REMOVED/DEVERTED

WATERMAIN NOTES

- ALL WORKS TO BE IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE DOCUMENT IW-CDS-5020-03 AND IRISH WATER STANDARD DETAILS IW-CDS-5020-01.
- ALL WATERMANS (EXCEPT AS NOTED BELOW) TO BE HOPE (PE-100) WITH SDR-17 RATING AND SHALL COMPLY WITH SECTION 3.9 OF IRISH WATER CODE OF PRACTICE.
- CONCRETE ANCHOR BLOCKS AT DEAD ENDS, TEES, BOTH SIDES OF SLUICE VALVES AND AT ALL BENDS OVER 22.5°.
- MIN. COVER TO WATERMAIN TO BE 900MM.
- WATERMANS TO BE PRESSURE TESTED IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE SECTION 4.10.3.
- PRIOR TO COMMISSIONING THE WATERMAIN SHALL BE SWABBED AND DISINFECTED IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE.
- SEE MANUFACTURER'S DETAILED INSTRUCTIONS PRIOR TO THE INSTALLATION OF WATER METER.
- CHECK THAT FLOW ARROW DIRECTION IS POINTING IN THE SAME DIRECTION AS THE FLOW IN THE WATERMAIN.
- DRAW-WIRES TO BE LEFT IN ALL DUCTS.
- OF SPACER AND S.V. TO BE THE SAME Ø AS METER.
- SEPARATION DISTANCES FROM EXISTING PLANTING SHALL COMPLY WITH IRISH WATER STANDARD DETAIL STD-W-12.
- CONCRETE THRUST BLOCKS AT DEAD ENDS, TEES, BOTH SIDES OF SLUICE VALVES AND AT ALL BENDS OVER 22.5°. THRUST BLOCKS TO BE PROVIDED IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-28 (12-15 BAR TEST PRESSURE)
- NO HYDRANTS OR SLUICE VALVES ARE TO BE LOCATED WITHIN TRAFFICKED AREAS.
- SEPARATION DISTANCES FROM OTHER SERVICES, BOUNDARY WALLS, TREES, ETC TO BE IN ACCORDANCE WITH IRISH WATER STANDARD DETAILS STD-W-11, STD-W-12, STD-W-12A.

IRISH WATER APPLICABLE DETAILS (NON-EXHAUSTIVE LIST)  
WATERMAIN DETAILS - TABLE

STD-W-04	GENERAL PIPE CONNECTIONS (SHEET 1 OF 7)
STD-W-05	GENERAL PIPE CONNECTIONS (SHEET 2 OF 7)
STD-W-06	GENERAL PIPE CONNECTIONS (SHEET 3 OF 7)
STD-W-07	GENERAL PIPE CONNECTIONS (SHEET 4 OF 7)
STD-W-08	GENERAL PIPE CONNECTIONS (SHEET 5 OF 7)
STD-W-09	GENERAL PIPE CONNECTIONS (SHEET 6 OF 7)
STD-W-10	GENERAL PIPE CONNECTIONS (SHEET 7 OF 7)
STD-W-13	TRENCH BACKFILL & BEDDING & REDUCED COVER TO PROTECTION SLAB DETAIL
STD-W-14	SLUICE VALVE FOR DUCTILE (D.I.) PIPE (<350mm DIA) (SHEET 1 OF 2)
STD-W-15	SLUICE VALVE FOR POLYETHYLENE (P.E.) PIPE (<350mm DIA) (SHEET 2 OF 2)
STD-W-16	ON-LIN HYDRANT FOR DUCTILE IRON (D.I.) PIPES (SHEET 1 OF 4)
STD-W-17	OFF-LINE HYDRANT FOR DUCTILE IRON (D.I.) PIPES (SHEET 2 OF 4)
STD-W-18	ON-LINE HYDRANT FOR POLYETHYLENE (P.E.) PIPES (SHEET 3 OF 4)
STD-W-19	OFF-LINE HYDRANT FOR POLYETHYLENE (P.E.) PIPES (SHEET 4 OF 4)
STD-W-27	MARKER POST/PLATES
STD-W-28	WATER MAIN THRUST & SUPPORT BLOCKS



0	ISSUED FOR PLANNING	09.09.24	KD	DW			
REV	DESCRIPTION	DATE	BY	CHK			
STATUS							
<b>P3 - PLANNING</b>							
		Unit 2B Richview Office Park, Clonskeagh, DUBLIN 14 D14 XT57					
<b>MALONE O'REGAN</b> CONSULTING ENGINEERS		T: +353 1 260 2655 E: dublin@moroe.ie W: www.maloneoregan.ie					
Offices also in:							
GALWAY		T: +353 91 531 069		E: galway@moroe.ie			
WATERFORD		T: +353 51 876 855		E: waterford@moroe.ie			
CLIENT							
DUBLIN CITY COUNCIL							
JOB NAME							
SOCIAL HOUSING BUNDLE 4, FORBES LANE DEPOT							
DRG. NAME							
WATERMAIN LAYOUT							
JOB REF	SHEET	SCALE	DATE	BY	ENG	APP	REV
23006	A1	1:250	JULY 2023	KD	PB	PB	0
DRG. NO.					SHB5-FLD-DR-MOR-CS-P3-140		