



BY	DRAWING No. & REFERENCE	DATE
SURVEY	230815W0_Lambs_Cross_20_DIM_Rev 02	05.06.2024
ARCH	SHB5-LDR-AR-P3-1002	22.10.2024
LS ARCH	SHB4-LDR-DR-MAL-L-P1-0001_Rev 02	04.07.2024

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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.

**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

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 WATERMANS TO BE REMOVED/DIVERTED

- WATERMAIN NOTES**
- ALL WORKS TO BE IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE DOCUMENT IW-COS-5020-03 AND IRISH WATER STANDARD DETAILS IW-COS-5020-01.
 - ALL WATERMANS (EXCEPT AS NOTED BELOW) TO BE HDPE (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.
 - DF 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.

CARRICKMINES STREAM FLOWS
NORTHEAST ALONG THE SITE BUT AFTER
GENERALLY FLOWS SOUTHEAST UNTIL
FLOWING INTO THE RIVER SHANGANAGH

Lambs Brook

Sandford Road

Hillcrest Road

EXISTING 101mm WATERMAIN PIPE

100mm HDPE PIPE

SECTION OF EXISTING WATERMAIN PIPE TO BE REMOVED/DIVERTED

EXISTING 101mm WATERMAIN PIPE

100mm HDPE PIPE

3	ISSUED FOR PLANNING	25.10.24	KD	KA
2	REVISED AS PER ARCHITECT AND LANDSCAPE ARCHITECT'S LATEST LAYOUTS AND COMMENTS	12.07.24	KD	FM
1	REVISED AS PER ARCHITECT AND LANDSCAPE ARCHITECT'S LATEST LAYOUTS	14.06.24	KD	FM
0	ISSUED FOR INFORMATION	02.12.23	KD	PB

STATUS: **P3 - PLANNING**

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CLIENT: DLRCC/NDFA

JOB NAME: PPP SHB 4&5 - LAMBS CROSS

DRG NAME: WATERMAIN LAYOUT

JOB REF	SHEET	SCALE	DATE	BY	ENG	APP	REV.
23006	A1	1:250	SEPT'2023	KD	PB	PB	3

DRG NO.: SHB5-LDR-DR-MOR-CS-P3-140