



BOUNDARY BOXES MUST BE LOCATED WITHIN THE PUBLIC FOOTPATH AS CLOSE TO THE PRIVATE BOUNDARY AS POSSIBLE, BUT SEPARATED BY 225mm TO THE FACE OF THE BOUNDARY

OFF LINE FIRE HYDRANT TO BE CONSTRUCTED AND CONNECTED TO THE EXISTING WATERMAIN. THIS IS TO ENSURE UNIT 7 IS WITHIN 46M OF A FIRE HYDRANT

SERVICE CONNECTION MUST CROSS THE ROAD AS SERVICE CONNECTION WOULD OTHERWISE BE LONGER THAN 15M IN ORDER TO STAY ON SAME SIDE OF ROAD

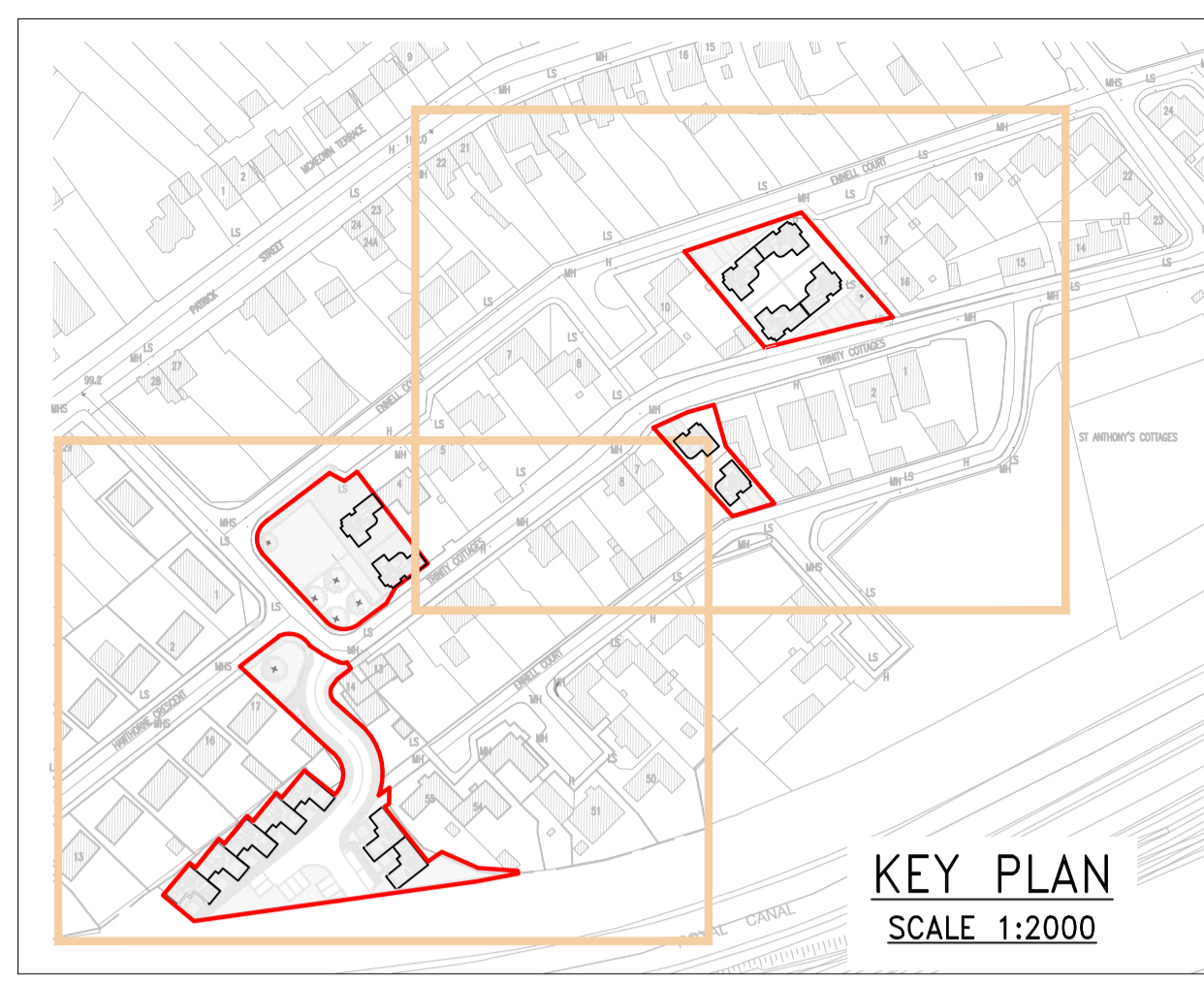
3No. SLUICE VALVE MARKER POSTS & INDICATOR PLATES ADJACENT 3WAY SLUICE VALVE ARRANGEMENT AT CONNECTION POINT TO EXISTING NETWORK

3850mm FROM EXISTING BOUNDARY WALL

3No. SLUICE VALVES LOCATED AT JUNCTION AS PER IW REQUIREMENTS. 3No. SLUICE VALVE INDICATOR PLATES FIXED TO WALL.

FIRE HYDRANT & FIRE HYDRANT MARKER POST WITH INDICATOR PLATE. LOCATED MORE THAN 6m FROM BUILDING & ALL BUILDINGS WITHIN 46m OF A HYDRANT

SCOUR VALVE LOCATED AT LOW POINT IN NETWORK. SCOUR VALVE CHAMBER TO DISCHARGE INTO FOUL NETWORK AS SHOWN



WATER MAIN LAYOUT LEGEND

- EXISTING WATERMAIN
- (FH) EXISTING FIRE HYDRANT
- PROPOSED WATERMAIN 75mm ϕ (PE80)
- 25mm ϕ SERVICE CONNECTION FROM BOUNDARY BOX
- [M] PROPOSED STOPCOCK AND WATER METER BOUNDARY BOX
- (FH) PROPOSED FIRE HYDRANT
- (SV) PROPOSED SLUICE VALVE
- [MP] PROPOSED MARKER POST & INDICATOR PLATE
- (SCV) PROPOSED SCOUR VALVE
- TB PROPOSED THRUST BLOCK

- GENERAL NOTES:**
- ALL DIMENSIONS AND LEVELS TO BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF THE WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT ARCHITECT'S AND OTHER ENGINEERING DRAWINGS.
- WATERMAIN NOTES:**
- ALL WATERMANS AND SUPPLY SHOULD BE CONSTRUCTED TO IRISH WATER REQUIREMENTS AND IN ACCORDANCE WITH IRISH WATER CONNECTIONS & DEVELOPER SERVICES WATER INFRASTRUCTURE STANDARD DETAILS IW-CDS-5020-03 JULY 2020.
 - THE CONTRACTOR SHOULD CONFIRM THE LOCATIONS OF ALL EXISTING WATERMAIN INFRASTRUCTURE ON SITE AND REPORT TO THE ENGINEER.
 - WATERMAIN PIPES SHOULD HAVE A MINIMUM NOMINAL PRESSURE CLASSIFICATION OF 10 BAR. MOPVC PRESSURE PIPES SHALL CONFORM TO UK WATER INDUSTRY SPECIFICATION NO 4-31-08 OR EQUIVALENT. MANUFACTURERS SHALL OPERATE A QUALITY SYSTEM IN COMPLIANCE WITH BS 5750 PART 2 (EN29002).
 - WATERMAIN PIPES SHOULD HAVE A MINIMUM COVER OF 900mm
 - AN APPROVED MARKER TAPE CONTAINING A TRACER WIRE SHOULD BE AFFIXED TO THE TOP SURFACE OF ALL WATERMANS
 - CONCRETE THRUST BLOCKS SHOULD BE PROVIDED ON WATERMANS AT DEAD ENDS, TEES, BENDS OF CURVATURE GREATER THAN 11.25° AND AT BOTH SIDES OF A SLUICE VALVE CHAMBER. ANCHOR BLOCKS SHOULD ENCASE THE PIPE IN CONCRETE (CLASS E, CLAUSE 1502, SPECIFICATION FOR ROADWORKS) TO A MINIMUM THICKNESS OF 150mm ALL ROUND AND SHOULD BE A MINIMUM LENGTH OF 750mm
 - SLUICE VALVES SHOULD COMPLY WITH THE REQUIREMENTS OF BS 5163. THE DEPTH OF THE SLUICE VALVE SPINDLE CAP BELOW FINISHED GROUND LEVEL SHOULD NOT EXCEED 300mm
 - HYDRANTS SHOULD BE OF THE MALE THREAD SCREW DOWN TYPE IN COMPLIANCE WITH THE REQUIREMENTS OF BS 750. HYDRANT OUTLETS SHOULD COMPLY WITH THE CHIEF FIRE OFFICERS REQUIREMENTS. THE DEPTH OF THE HYDRANT OUTLET BELOW FINISHED GROUND LEVEL SHOULD NOT EXCEED 200mm
 - SCOUR VALVES TO BE LOCATED AT LOW POINTS AND AIR VALVES AT HIGH POINTS ALONG THE VERTICAL PROFILE OF THE WATERMAIN. CONTRACTOR TO AGREE SPECIFICATION FOR VALVES WITH WESTMEATH COUNTY COUNCIL.
 - CONTRACTOR TO ALLOW FOR ROAD OPENING UP LICENCE FOR WORKS IN PUBLIC ROAD, WHERE NECESSARY.

REV	DATE	DESCRIPTION	FM	BY	APPR
D	23.05.22	UPDATED WITH LATEST LAYOUT	JR	MK	
C	23.09.21	UPDATED WITH LATEST LAYOUT	JR	MK	
B	23.06.21	EXISTING WM LAYOUT UPDATED FOLLOWING RECEIPT OF GPR SURVEY	JR	MK	
A	28.04.21	UPDATED AFTER WCC COMMENTS	JR	MK	

DRAWING STATUS:
PART_8

CLIENT:
WESTMEATH COUNTY COUNCIL

JOB DESCRIPTION:
15No. RAPID BUILD HOUSING UNITS, ENNELL COURT, MULLINGAR, COUNTY WESTMEATH

DRAWING TITLE:
INDICATIVE WATERMAIN LAYOUT 1 OF 2

PROJECT No.: **P-3457** DRAWING No.: **C-107**

REV. No.: **D**

SCALE: 1:250 SHEET: A1 DATE: 21.09.2020

DRAWN BY: JR CHECKED BY: MK APPROVED BY: PMCM

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INDICATIVE WATERMAIN LAYOUT 1 OF 2
SCALE 1:250