



Legend

- Existing Water Main
- - - New Water Main
- | 25mm OD Service Connection & Boundary box
- WM Water Meter
- SV Sluice Valve
- FH Fire Hydrant
- NRV Non return Valve
- SCV Scour Chamber Valve
- AV Air Valve
- MP Marker Post and plate in accordance with STD-W-227

- Notes**
1. WATER MAIN LAYOUTS SHALL BE ARRANGED IN LOOPS OR RINGS SO AS TO AVOID "DEAD ENDS" OR TERMINAL POINTS. ALL MAINS SHALL TERMINATE IN A LOOP OR RING TO ACCOMMODATE ONE-DIRECTIONAL FLUSHING OF THE NETWORK. LOOPS SHALL HAVE A MINIMUM OF 4 HOUSES AND 1 HYDRANT.
 2. THE MINIMUM PIPE SIZE SHALL BE 100mm INTERNAL DIAMETER IN HOUSING DEVELOPMENTS OF 40 AND UP TO 100 HOUSES. DEVELOPMENTS OF 100 HOUSES AND ABOVE SHALL HAVE A MINIMUM PIPE SIZE OF 150mm INTERNAL DIAMETER SPINE AND 100mm BRANCH MAINS. NOMINAL INTERNAL DIAMETERS OF 80mm AND LESS MAY BE ALLOWED IN SMALLER DEVELOPMENTS BUT NOT WHERE HYDRANTS ARE LOCATED AND ONLY AFTER PRIOR WRITTEN AGREEMENT FROM IRISH WATER.
 3. THE MINIMUM PIPE SIZE SHALL BE 150mm IN INDUSTRIAL OR COMMERCIAL DEVELOPMENTS.
 4. EVERY PREMISE SHOULD HAVE A SEPARATE SERVICE CONNECTION. THE USE OF COMMON SERVICE PIPES IS NOT ALLOWED. SERVICE CONNECTIONS SHALL BE AS SHORT AS REASONABLY POSSIBLE. LONG SERVICE CONNECTIONS (IN EXCESS OF 15m) WILL NOT BE ALLOWED. A RIDER MAIN AT THE OPPOSITE SIDE OF THE ROAD TO THE MAIN WATER MAIN MAY BE REQUIRED SUBJECT TO APPROVAL FROM IRISH WATER. SERVICE CONNECTIONS SHALL BE A MINIMUM PIPE SIZE OF 25mm OUTSIDE DIAMETER, 20mm INTERNAL DIAMETER.
 5. WATER MAINS SHOULD BE LAID TO PROVIDE THE OPTIMUM CIRCULATION IN THE LOCAL WATER NETWORK. WATER MAINS MAY TERMINATE IN A DEAD END ONLY WITH IRISH WATER APPROVAL, IN WHICH CASE A DUCK-FOOT WASHOUT HYDRANT SHALL BE PROVIDED AT THE DEAD END, LOCATED WITHIN A CHAMBER OR KIOSK.
 6. VALVES SHALL BE ARRANGED IN SUCH A MANNER TO ALLOW 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.
 7. NO DOMESTIC PROPERTY SHALL BE MORE THAN 46m FROM A HYDRANT. HYDRANT DETAILS AND LOCATIONS SHALL BE SUBJECT TO THE APPROVAL OF THE RELEVANT LOCAL AUTHORITY FIRE DEPARTMENT.
 8. WATER SUPPLY MAINS SHALL BE LAID IN COMMON AREAS AND NOT THROUGH INDIVIDUAL PRIVATE GARDENS OR DRIVEWAYS ETC.
 9. A THREE-WAY VALVE ARRANGEMENT SHALL BE PROVIDED AT ALL JUNCTIONS, AS A MINIMUM.
 10. THE WATER MAIN PIPEWORK TO NEW DEVELOPMENTS SHOULD BE LOCATED AT THE RIGHT HAND SIDE OF THE ENTRANCE TO THE NEW DEVELOPMENT (FROM A VIEW FACING INTO THE DEVELOPMENT) IF POSSIBLE AND WHERE THE PROPERTIES ARE EQUALLY AND REASONABLY DISTRIBUTED AT BOTH SIDES OF THE ESTATE ROADWAY.
 11. AIR VALVES TO BE LOCATED AT POINTS WHERE AIR IS LIKELY TO BUILD UP.
 12. THE DEVELOPER IS TO LIAISE WITH THE FIRE SERVICES AUTHORITY IN ORDER TO ENSURE FIRE FLOWS ARE AVAILABLE THROUGHOUT THE DEVELOPMENT.
 13. ALL WATER MAIN PIPEWORK TO BE POLYETHYLENE IN ACCORDANCE WITH SECTION 3.13 OF THE WASTEWATER CODE OF PRACTICE OR APPROVED.
 14. ALL HOUSED TO HAVE 25mm OD PIPE WITH METER/BOUNDARY BOX FOR DETAIL SEE DRAWING 16175-PL04-2
 15. BOOSTED SUPPLY SYSTEM WITHIN APARTMENT BLOCKS TO BE SUPPLIED WITH ISOLATION DEVICE USING A CONNECTION VIA AN UNRESTRICTED AIR-GAP DEVICE TO PREVENT BACKFLOW

Revision	Detail	Date	Rev By
A	FOR SHD APPLICATION	14-02-22	PM

IMPORTANT TO READ
 © THIS DRAWING IS COPYRIGHT.
 ALL CONSTRUCTION METHODS, MATERIALS, SERVICES AND INSTALLATIONS TO BE IN ACCORDANCE WITH ALL BUILDING REGULATIONS AND CODES OF PRACTICE AT TIME OF CONSTRUCTION.
 ALL SUB-CONTRACTORS ARE ULTIMATELY RESPONSIBLE FOR ENSURING COMPLIANCE WITH REGULATIONS WITHIN THEIR OWN TRADE. ALL TRADES TO CHECK DIMENSIONS ON SITE PRIOR TO CONSTRUCTION OF FABRICATION. FIGURED DIMENSIONS TO BE TAKEN ONLY.
 THE ENGINEER IS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.
 IF IN DOUBT, ASK!



OLS Consulting Engineers & Project Management Ltd
 No.3 Saint Patrick's Place,
 New Road,
 Bandon,
 Co. Cork
 P12 FK62
 Tel: (023) 8843990
 Email: info@olsconsultingengineers.ie
 Web: www.olsconsultingengineers.ie

Client	EOIN SHEEHAN		
Job Title	PROPOSED RESIDENTIAL DEVELOPMENT IN BLARNEY		
Dwg. Title	SITE PLAN SHOWING WATER MAIN		
Date	01-02-21	Drawn	PM
Scale	1:500	Checked	PM
Dwg No	21017-PL11	Rev	A

SITE PLAN SHOWING WATERMAIN
SCALE 1:500