



- GENERAL NOTES:**
- DO NOT SCALE. ALL DIMENSIONS ON DRAWINGS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE. USE FIGURED DIMENSIONS ONLY.
 - WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDUM. OTHER STANDARDS MAY ONLY BE CONSIDERED FOLLOWING PRIOR APPROVAL BY THE ENGINEER.
 - ALL LEVELS ARE RELATED TO THE ORDINANCE DATUM (O.D.) - MALIN HEAD UNLESS NOTED OTHERWISE.
 - THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING ALL GROUND AND SURFACE WATER WITHIN THE SITE DURING THE CONSTRUCTION WORKS. AT NO POINT SHOULD ANY CONTAMINATED WATER FROM THE SITE BE DISCHARGED TO AN EXISTING DRAIN OR SEWER.
 - ANY PROPRIETARY PRODUCTS REFERENCED ON THE DRAWINGS CAN BE SUBSTITUTED WITH EQUIVALENT ALTERNATIVES, FOLLOWING APPROVAL BY EITHER THE ENGINEER.
 - PROPRIETARY PRODUCT NAMES, MANUFACTURERS' NAMES, SUPPLIERS' NAMES, NATIONAL STANDARDS, WHERE A SPECIFICATION OR A DESCRIPTION OF A PRODUCT OR ELEMENT OF WORK INCLUDES A SPECIFIC MAKE OR SOURCE SUCH AS A PRODUCT NAME OR MANUFACTURERS NAME OR A SUPPLIERS NAME, OR A NATIONAL STANDARD, THE SPECIFICATION OR DESCRIPTION SHALL BE DEEMED TO BE ACCOMPANIED BY THE WORDS "OR EQUIVALENT" NOTWITHSTANDING THAT THOSE EXACT WORDS MAY NOT IN FACT ACCOMPANY THE NAME OR STANDARD. THIS ALSO APPLIES WHERE THE NAME OR STANDARD IS ACCOMPANIED BY OTHER WORDS SUCH AS "OR EQUAL APPROVED" OR SUCHLIKE PHRASES.

- WATERMAIN:**
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS & MANUFACTURERS DRAWINGS & SPECIFICATIONS.
 - ALL PIPE DIAMETERS ARE NOMINAL.
 - WHERE CONNECTION IS REQUIRED TO AN EXISTING PUBLIC WATERMAIN, THE CONTRACTOR MUST ISSUE DETAILED DOCUMENTATION FOR APPROVAL TO THE RELEVANT LOCAL AUTHORITY AND USICE EIREANN. THIS DOCUMENTATION MUST BE ISSUED AT LEAST 40 WORKING DAYS IN ADVANCE OF THE PLANNED WORKS OR AS AGREED WITH THE LOCAL AUTHORITY AND USICE EIREANN.
 - ALL THRUST BLOCKS MUST BE CAST AGAINST UNDISTURBED GROUND. FLEXIBLE PIPES SHOULD BE WRAPPED IN ONE LAYER OF 1000 GAUGE POLYTHENE TO AVOID DIRECT CONTACT WITH THE CONCRETE. MARKER POSTS AND PLATES TO BE PROVIDED FOR ALL VALVES, METERS AND HYDRANTS.
 - CHLORINATION AND BACTERIOLOGICAL TESTS TO BE UNDERTAKEN BY EXTERNAL TESTER AND TEST CERTIFICATION TO BE SUBMITTED TO ENGINEER.
 - MARKER POSTS AND PLATES TO BE PROVIDED FOR ALL VALVES.
 - IN ADVANCE OF TESTING OF THE WATERMANS, THE CONTRACTOR MUST PRESENT TO THE ENGINEER A CALIBRATION CERTIFICATE FOR THE APPARATUS TO BE USED IN THE TEST.
 - ALL EXISTING WATERMANS TO BE ADEQUATELY PROTECTED. ANY WATERMANS DAMAGED DURING THE COURSE OF CONSTRUCTION WILL BE REPLACED BY THE CONTRACTOR AT THEIR COST.
 - ALL ROCKER PIPES SHALL BE NO MORE THAN 150mm FROM THEIR ASSOCIATED CHAMBER.
 - PROVIDE ANCHOR THRUST BLOCKS ON ALL BENDS EQUAL TO OR IN EXCESS OF 22.5°, DEAD ENDS AND TEES ON ALL PIPES.
 - TRENCHES IN EXISTING SURFACES TO BE SAW CUT.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING OUT WATERMANS & SLUICE VALVES TO ENSURE NO CLASHES WITH SERVICE DUCTS OR PIPES.

- NOTES FOR CONNECTION TO USICE EIREANN SERVICES**
- CONTRACTOR TO LIAISE WITH USICE EIREANN PRIOR TO MOBILISATION ON SITE TO DETERMINE THE DURATION OF THE APPROVAL PROCESS AND WHAT DOCUMENTATION AND FEES ARE REQUIRED BY USICE EIREANN AND THE LOCAL AUTHORITY AND PROGRAM THIS INTO THE CONSTRUCTION PROGRAM. CONTRACTOR TO CONFIRM EXTENT OF NOTICE REQUIRED BY USICE EIREANN TO INSPECT WORKS AND ALSO PROGRAM INTO THE CONSTRUCTION PROGRAM.
 - USICE EIREANN TO BE CONTACTED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WATERMAIN WORKS. ALL DETAILS TO BE AGREED WITH USICE EIREANN. USICE EIREANN TO BE GIVEN 40 WORKING DAYS NOTICE FOR ALL FOUL SEWER AND WATERMAIN CONNECTION WORKS.
 - UNDETERMINED VERIFICATION OF THE EXISTING WATERMANS SHOULD BE ESTABLISHED BY THE CONTRACTOR IN ADVANCE OF THE MAIN EXCAVATION FOR THE WORKS SO AS TO AVOID THE POSSIBILITY OF DAMAGE TO THE EXISTING WATERMAIN DURING CONSTRUCTION WORKS. 3 NO. SLIT TRENCHES TO BE UNDERTAKEN TO VERIFY LOCATION.
 - THE CONTRACTOR SHALL APPLY FOR A ROAD OPENING LICENSE AND PAY THE REQUIRED ROAD OPENING LICENSE FEE FOR WORKS THAT ARE REQUIRED ON THE PUBLIC ROAD. THIS FEE IS A NON-NEGOTIABLE AND NON-REFUNDABLE FIGURE. THE CONTRACTOR SHALL BE DEEMED TO HAVE INCLUDED IN HIS TENDER PRICE FOR ALL REQUIREMENTS SUCH AS CONTRIBUTION FOR CONNECTIONS TO PUBLIC INFRASTRUCTURE, LICENSE APPLICATION, PAYMENT OF FEES, STATUTORY TIME PERIODS, TRAFFIC MANAGEMENT PLANS AND APPLICATION, REINSTATEMENT, ETC.

WATERMAIN LEGEND

EXISTING 600mm DUCTILE IRON WATERMAIN	WM EX	WM EX
EXISTING 3" CAST-IRON WATERMAIN TO BE UPGRADED TO 150mm (ID)	WM EX	WM EX
EXISTING 3" CAST-IRON WATERMAIN TO BE REMOVED	WM-AB-EX	WM-AB-EX
PROPOSED WATERMAIN (90 DN PE80 SDR11 PIPE)	WM	WM
PROPOSED WATERMAIN (100 DN PE80 SDR11 PIPE)	WM	WM
PROPOSED WATERMAIN (150 DN PE80 SDR11 PIPE)	WM	WM
PROPOSED FIRE HYDRANT TO BE PROVIDED IN ACCORDANCE WITH USICE EIREANN STANDARD DETAIL STD-W-16.	H	
PROPOSED SLUICE VALVE TO BE PROVIDED IN ACCORDANCE WITH USICE EIREANN STANDARD DETAIL STD-W-15	SV	
PROPOSED WASHOUT HYDRANT	WO	
PROPOSED AIR VALVE	AV	
PROPOSED MECHANICAL WATERMETER & CHAMBER TO RISH WATER DETAIL STD-W-26A. KIOSK REQUIRED TO IW DETAIL STD-W-36. KIOSK LOCATION TO BE AGREED WITH ARCHITECT	WM	
PROPOSED BLANK FLANGE	BF	
PROPOSED WATER SERVICE CONNECTION. SERVICE PIPES LESS THAN 15m LONG PIPE TO BE DN25. FOR PIPES 15m TO 30m LONG PIPE TO DN32	BB	
PROPOSED BUILDING		
PROPOSED FINISH FLOOR LEVEL	FFL 32.999	

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COLOUR DRAWING

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