

Sheet 5

ROADSIDE KERBING

ROADSIDE KERBING

REMOVE EXISTING DOMESTIC BOUNDARY BOX AND
INSTALL NEW BOUNDARY BOX, WATER METER
PRV VALVE AND MARKER POST ALL
AS PER SPECIFICATION AND TO UE STANDARDS
AND CONNECT INTO NEW 100PE MAINS

12

BLOCK BOUNDARY WALL

13

REMOVE EXISTING DOMESTIC BOUNDARY BOX AND
INSTALL NEW BOUNDARY BOX, WATER METER
PRV VALVE AND MARKER POST ALL
AS PER SPECIFICATION AND TO UE STANDARDS
AND CONNECT INTO NEW 100PE MAINS

14

REMOVE EXISTING DOMESTIC BOUNDARY BOX AND
INSTALL NEW BOUNDARY BOX, WATER METER
PRV VALVE AND MARKER POST ALL
AS PER SPECIFICATION AND TO UE STANDARDS
AND CONNECT INTO NEW 100PE MAINS

09

REMOVE EXISTING DOMESTIC BOUNDARY BOX AND
INSTALL NEW BOUNDARY BOX, WATER METER
PRV VALVE AND MARKER POST ALL
AS PER SPECIFICATION AND TO UE STANDARDS
AND CONNECT INTO NEW 100PE MAINS

Construct new Sluce Valve
chamber and cover and install
new 100mm diameter sluce
valve and associated fittings
on new 100mm diameter
watermain. Install marker post.

Sheet 4

Sheet 5

10

REMOVE EXISTING DOMESTIC BOUNDARY BOX AND
INSTALL NEW BOUNDARY BOX, WATER METER
PRV VALVE AND MARKER POST ALL
AS PER SPECIFICATION AND TO UE STANDARDS
AND CONNECT INTO NEW 100PE MAINS

11

REMOVE EXISTING DOMESTIC BOUNDARY BOX AND
INSTALL NEW BOUNDARY BOX, WATER METER
PRV VALVE AND MARKER POST ALL
AS PER SPECIFICATION AND TO UE STANDARDS
AND CONNECT INTO NEW 100PE MAINS

BLOCK BOUNDARY WALL

Construct new Sluce Valve
chamber and cover and install
new 100mm diameter sluce
valve and associated fittings
on new 100mm diameter
watermain. Install marker post.

POST & MESH WIRE FENCING

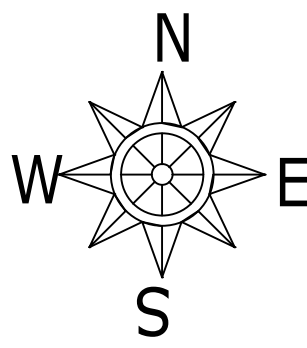
STONE WALL + THICK HEDGING ON ROAD EDGE

90mm OD Ø PE100 Rider main

Construct new off-line Fire Hydrant
chamber and cover and install new
DN80 diameter off-line Fire Hydrant and
associated fittings on new 100mm
diameter watermain. Install marker post.

Construct new Sluce Valve
chamber and cover and install
new 100mm diameter sluce
valve and associated fittings
on new 100mm diameter
watermain. Install marker post.

NOTE:
ALL METERS, VALVES, FITTINGS, PIPES
USED AND TENDERED FOR TO BE APPROVED
BY UISCE EIREANN. CERTIFICATION REQUIRED
TO SHOW COMPLIANCE WITH UE REQUIREMENTS



EXWM16

Sheet 5

Sheet 6

SITE LAYOUT PLAN - SHEET 1
Scale 1:500

GRAPHIC SCALE
(in meters)

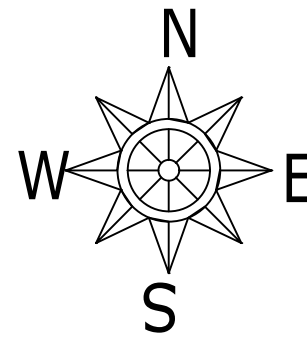


1:500

LEGEND

- Proposed HDPE pipe SDR-17 watermain pipe. Rating to ISEN12201. Diameter as per long section detail
- Existing pvc watermain pipe
- Existing overhead power / communication cables and poles
- Existing underground broadband service cables

- SV Sluce Valve
- AV Air Valve
- SC Scour Valve
- NR Non-Return Valve
- PRV Pressure Reducing Valve
- WH Wash Out Hydrant
- BM Bulk Water Meter
- HY Fire Water Hydrant
- McDMetered Connection - Dwelling House
- McL Metered Connection - Land/Agriculture
- McE Metered Connection - Combined Domestic and Land/Agriculture
- McCMetered Connection - Commercial
- McS Metered Connection - Site



KEYPLAN - NTS

NOTES

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- ALL DIMENSIONS ARE IN MILLIMETRES AND ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE. DO NOT SCALE FROM THIS DRAWING. FIGURED DIMENSIONS SHALL TAKE PRECEDENCE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LEVELS, ALIGNMENTS, EXISTING SERVICES AND SITE CONDITIONS PRIOR TO COMMENCEMENT OF THE WORKS. ANY DISCREPANCIES SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING.
- THE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT DRAWINGS, WORKS REQUIREMENTS, CIVIL ENGINEERING SPECIFICATION, BILL OF QUANTITIES, CURRENT Uisce Éireann REQUIREMENTS, APPLICABLE IRISH/EUROPEAN STANDARDS, ROAD OPENING LICENCE CONDITIONS AND THE REQUIREMENTS OF THE RELEVANT STATUTORY AUTHORITIES.
- ALL WATER INFRASTRUCTURE SHALL COMPLY WITH THE CURRENT Uisce Éireann CODE OF PRACTICE FOR WATER INFRASTRUCTURE AND WATER INFRASTRUCTURE STANDARD DETAILS, INCLUDING ANY PROJECT-SPECIFIC REQUIREMENTS OR DEPARTURES APPROVED BY Uisce Éireann.
- THE CONTRACTOR SHALL CONFIRM THE LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND AND OVERHEAD SERVICES BEFORE EXCAVATION. SERVICE DRAWINGS ARE INDICATIVE ONLY. CAT/GPR SURVEYING AND TRIAL HOLES SHALL BE UNDERTAKEN AS NECESSARY. EXISTING SERVICES SHALL BE PROTECTED AND SUPPORTED DURING THE WORKS.
- PROPOSED WATERMAINS SHALL BE PE100 SDR17 OF THE DIAMETERS SHOWN ON THE DRAWINGS. PIPEWORK, FITTINGS, VALVES AND ASSOCIATED COMPONENTS SHALL BE SUITABLE FOR POTABLE WATER SERVICE AND SHALL COMPLY WITH THE SPECIFICATION AND STANDARD DETAILS AND THE REQUIREMENTS OF THE ROAD OPENING LICENCE WHERE APPLICABLE.
- UNLESS OTHERWISE SHOWN OR APPROVED, MINIMUM COVER TO WATERMAINS SHALL BE AS INDICATED ON THE CONTRACT DRAWINGS. PARTICULAR ATTENTION SHALL BE GIVEN TO ROAD CROSSINGS. EXISTING CULVERTS, SERVICES AND OTHER LOCATIONS WHERE REDUCED COVER MAY OCCUR. NO REDUCED-COVER ARRANGEMENT SHALL BE CONSTRUCTED WITHOUT THE ENGINEER'S APPROVAL.
- PIPE TRENCHES, BEDDING, HAUNCHING, SURROUND, BACKFILL AND COMPACTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT SPECIFICATION, Uisce Éireann STANDARD DETAILS AND THE REQUIREMENTS OF THE ROAD OPENING LICENCE WHERE APPLICABLE.
- ALL VALVES, HYDRANTS, AIR VALVES, WASHOUTS, METERS, BOUNDARY BOXES, PRVs, CHAMBERS, MARKER POSTS AND ASSOCIATED FITTINGS SHALL BE INSTALLED AT THE LOCATIONS SHOWN OR AS AGREED WITH THE ENGINEER ON SITE.
- THE CONTRACTOR SHALL MAINTAIN THE EXISTING WATER SUPPLY TO CONSUMERS THROUGHOUT THE WORKS. CONNECTIONS, SHUTDOWNS AND CHANGEOVERS SHALL BE PLANNED AND AGREED IN ADVANCE WITH THE EMPLOYER, ENGINEER AND Uisce Éireann WHERE APPLICABLE.
- EXISTING WATER INFRASTRUCTURE SHALL NOT BE ABANDONED, DISCONNECTED OR DECOMMISSIONED UNTIL THE NEW WORKS HAVE BEEN SUCCESSFULLY PRESSURE TESTED, FLUSHED, DISINFECTED, WATER-QUALITY TESTED, COMMISSIONED AND AUTHORISED FOR USE.
- ALL ROAD AND FOOTPATH OPENINGS SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE ROAD OPENING LICENCE FOR MANAGING ROAD OPENINGS IN PUBLIC ROADS ("PURPLE BOOK"). PERMANENT REINSTATEMENT SHALL COMPLY WITH THE APPLICABLE STANDARD DETAIL INCLUDING SD6, SD7 AND SD11, AS RELEVANT TO THE LOCATION AND TYPE OF OPENING.
- EXISTING BITUMINOUS FOOTPATHS SHALL BE REINSTATEMENT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SD11, WHERE REQUIRED BY THE ROAD OPENING LICENCE, FULL-WIDTH FOOTPATH REINSTATEMENT SHALL BE PROVIDED.
- DOMESTIC/PRIVATE VEHICULAR ENTRANCES AFFECTED BY THE WORKS ARE TO BE REINSTATEMENT IN BITUMINOUS CONSTRUCTION. AT VEHICULAR CROSSINGS THE A10 FOOTWAY CONSTRUCTION SHALL BE INCREASED TO A TOTAL SURFACE DEPTH OF 100 mm, SUBJECT TO THE ROAD OPENING LICENCE REQUIREMENTS.
- TRANSVERSE OPENINGS IN THE R463 SHALL BE PERMANENTLY REINSTATEMENT IN ACCORDANCE WITH PURPLE BOOK SD7. LONGITUDINAL OPENINGS AT HEAVY-DUTY ROADWAY LOCATIONS SHALL BE REINSTATEMENT IN ACCORDANCE WITH SD6, SUBJECT IN ALL CASES TO THE ROAD OPENING LICENCE.
- ALL TRAFFIC MANAGEMENT SHALL COMPLY WITH CURRENT STATUTORY AND ROAD AUTHORITY REQUIREMENTS. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE MAINTAINED. THE EXISTING PEDESTRIAN FOOTPATH ROUTE SHALL BE KEPT SAFELY OPERATIONAL THROUGHOUT THE WORKS, EXCEPT FOR SHORT-DURATION CONTROLLED CLOSURES/DIVERSIONS AGREED IN ADVANCE.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PREVENT CONTAMINATION OF EXISTING AND PROPOSED POTABLE WATER INFRASTRUCTURE. OPEN PIPE ENDS SHALL BE SECURELY CAPPED WHEN WORK IS NOT IN PROGRESS.
- ALL CONNECTIONS TO EXISTING MAINS SHALL BE UNDERTAKEN IN A CONTROLLED MANNER AND ONLY FOLLOWING AGREEMENT OF THE CONNECTION SHUTDOWN PROCEDURE. EXISTING MAINS SHALL BE TREATED AS LIVE UNLESS CONFIRMED OTHERWISE.
- THE COMPLETED WATERMAIN SHALL BE PRESSURE TESTED, FLUSHED, DISINFECTED, SAMPLED AND COMMISSIONED IN ACCORDANCE WITH THE CONTRACT SPECIFICATION AND Uisce Éireann REQUIREMENTS BEFORE BEING PLACED INTO SERVICE.
- THE CONTRACTOR SHALL MAINTAIN ACCURATE AS-BUILT RECORDS THROUGHOUT THE WORKS. FINAL AS-BUILT INFORMATION SHALL INCLUDE WATERMAIN ALIGNMENT, LEVELS WHERE REQUIRED, PIPE SIZE/MATERIAL, VALVES, HYDRANTS, AIR VALVES, WASHOUTS, METERS, BOUNDARY BOXES, SERVICE CONNECTIONS, FUSION JOINTS AND OTHER ASSETS, WITH COORDINATES TO THE REQUIRED IRISH GRID/ITM SYSTEM.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY GROUND CONDITIONS, ROCK, UNCHARTED SERVICES, CULVERTS, STRUCTURES OR OTHER CONDITIONS WHICH DIFFER MATERIALLY FROM THOSE INDICATED IN THE CONTRACT DOCUMENTS.
- ALL WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE SAFETY, HEALTH AND WELFARE AT WORK (CONSTRUCTION) REGULATIONS 2013, AS AMENDED, THE PROJECT SAFETY AND HEALTH PLAN AND THE CONTRACTOR'S APPROVED METHOD STATEMENTS.
- WHERE A CONFLICT EXISTS BETWEEN THE DRAWINGS, SPECIFICATION, BILL OF QUANTITIES, STANDARD DETAILS OR SITE CONDITIONS, THE CONTRACTOR SHALL SEEK THE ENGINEER'S INSTRUCTION BEFORE PROCEEDING. NO ASSUMPTION SHALL BE MADE WHICH MAY AFFECT THE PERMANENT WORKS.
- MATERIALS AND PRODUCTS REQUIRING APPROVAL SHALL NOT BE ORDERED OR INCORPORATED INTO THE WORKS UNTIL THE RELEVANT TECHNICAL SUBMITTALS HAVE BEEN ACCEPTED IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY WORKS, TEMPORARY SUPPORT, DEWATERING, TRENCH STABILITY, EXCAVATION SAFETY AND PROTECTION OF ADJACENT ROADS, FOOTPATHS, PROPERTY, STRUCTURES AND SERVICES NECESSARY TO EXECUTE THE PERMANENT WORKS SAFELY.

REV.	DESCRIPTION	DATE	BY
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ARCHITECT	
CLIENT	RAHEEN GROUP WATER SCHEME
JOB	
PROPOSED NEW WATERMAIN REPLACEMENT & ASSOCIATED WORKS	

TITLE	Proposed Layout Plan Sheet 5 of 8
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STATUS	TENDER STAGE
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SCALES	As shown	DRG. No.	
DATE	June 2026	DRAWN	FC
CHECKED			F2026/RHGWS/006
APPROVED			