



EXISTING 1200mm D.I WATER MAIN:
 DENOTES 16.2m WIDE REQUIRED WAYLEAVE WIDTH IN ACCORDANCE WITH IRISH WATER'S REQUIREMENTS.
 NOTE: IT WILL NOT BE PERMITTED TO BUILD OVER ANY IRISH WATER INFRASTRUCTURE.

NEW 200mm ID WATER MAIN:
 IN ORDER TO FACILITATE THE PROPOSED WATER MAIN CONNECTION FOR THE DEVELOPMENT, A NEW 200mm ID DUCTILE IRON WATER MAIN IS TO BE LAID FOR APPROXIMATELY 280m. THE NEW WATER MAIN IS TO BE PARALLEL TO THE EXISTING 150mm uPVC WATER MAIN LOCATED ON GREENHILLS ROAD AS PER THE IRISH WATER WATER CONNECTION CONDITIONS OUTLINED WITHIN THE CONFIRMATION OF FEASIBILITY LETTER FROM IRISH WATER. FOR FULL EXTENT OF NEW 200mm DUCTILE IRON WATER MAIN REFER TO DRAWING '20189-LDE-07-00-DR-SC-1C01c'.

EXISTING 101.5mm uPVC WATER MAIN:
 DENOTES EXISTING WATER MAIN SERVING THE EXISTING DEVELOPMENT TO BE REMOVED.
REASON:
 1. EXISTING WATER MAIN LAYOUT IS NOT COMPLIANT WITH IRISH WATER'S CODE OF PRACTICE OR THE STRUCTURAL LAYOUT OF THE PROPOSED DEVELOPMENT (I.E. EXISTING WATER MAIN IS CURRENTLY LOCATED UNDER PROPOSED STRUCTURES).
 2. EXISTING WATER MAIN DOES NOT HAVE SUFFICIENT CAPACITY TO SERVICE THE NEW PROPOSED DEVELOPMENT.

WASHOUT HYDRANTS:
 ALL WASHOUT HYDRANTS TO HAVE AN ANCHOR/THRUST BLOCK INSTALLED AS PER SECTION 4.6 OF IRISH WATER WATER CODE OF PRACTICE DOCUMENT.

HYDRANTS, AIR VALVES, SLUICE VALVES & SCOUR VALVES:
 ALL AIR VALVES, HYDRANTS, SLUICE VALVES, SCOUR VALVES & SCOUR VALVE CHAMBERS SHALL BE BUILT IN ACCORDANCE TO SECTION 3.18 OF IRISH WATER CODE OF PRACTICE DOCUMENT (IW-CDS-5020-03)

NOTES:
 THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEER'S DETAIL DRAWINGS AND SPECIFICATIONS.
 DO NOT SCALE DIMENSIONS. REFER TO ARCHITECTS DRAWINGS FOR ALL SETTING OUT DIMENSIONS. WORK TO FIGURED DIMENSIONS ONLY.
 THE ENGINEER IS TO BE AFFORDED SUFFICIENT TIME TO CARRY OUT INSPECTIONS OF THE WORKS IN ACCORDANCE WITH THE PROJECT INSPECTION PLAN AND INSPECTION NOTIFICATION FRAMEWORK.
 ALL CONSTRUCTION PRODUCTS TO HAVE RELEVANT CE MARKING WHERE APPLICABLE.
 ALL DEMOLITION WORKS TO BE IN ACCORDANCE WITH BS 6187: 2011.
 ALL CONTRACTORS OR SUB-CONTRACTORS RESPONSIBLE FOR SPECIALIST DESIGN MUST PROVIDE PROFESSIONAL INDEMNITY INSURANCES, ANCILLARY CERTIFICATES FOR DESIGN AND ANCILLARY CERTIFICATES FOR INSPECTION IN ACCORDANCE WITH BCAR 2014.

DRAINAGE
 ALL DRAINAGE WORK TO BE CARRIED OUT IN ACCORDANCE WITH IS EN 752: 2008, TGD PART H, GDR CODE OF PRACTICE FOR DRAINAGE WORKS V6.0 AND IRISH WATER SPECIFICATIONS.
 MIN. 150mm C16/20 CONCRETE BED & SURROUND TO BE PROVIDED TO SEWER PIPELINES WHERE THE COVER IS LESS THAN 1.200m UNDER ROADS, VERGES AND FOOTPATHS.
 BACKFILL FOR ALL uPVC PIPES TO BE FREE FROM STONE EXCEEDING 50mm FOR 300mm ABOVE GRANULAR SURROUND.
 ALL REINSTATEMENT WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY.
 ALL MANHOLES COVERS AND FRAME ARE TO BE CLASS D400 TO BS EN 124 U.N.O.
 SEWER PIPE LINES TO BE uPVC PIPES UP TO AND INCLUDING 400mm. ALL uPVC PIPES TO BE STRICTLY TO MANUFACTURERS INSTRUCTIONS.
 ALL VERTICAL STACK CONNECTIONS TO FOUL SEWER CHAMBERS TO INCORPORATE LONG RADIUS BENDS AND TYPICAL TO MANUFACTURERS INSTRUCTIONS.

WATERMAIN LAYOUT
 SCALE 1:500

MANHOLE NOTES:
 MANHOLES WHICH ARE LOCATED IN SOFT LANDSCAPED/GRASSED AREAS HAVE TO BE SURROUNDED BY A CONCRETE PLINTH, 200mm ALL ROUND AND 100mm DEEP FORMED WITH C20/C25 CONCRETE, 20mm AGGREGATE SIZE, BEDDED IN CLAUSE 804 MATERIAL.

FLOW METER & TELEMETRY NOTES:
 BULK FLOW METER AND TELEMETRY SYSTEM TO BE IN ACCORDANCE WITH IRISH WATER DETAIL STD-W-26A AND SECTION 3.15.3 OF THE WATER CODE OF PRACTICE. TELEMETRY SYSTEM & BULK FLOW METER TO BE SELECTED, SUPPLIED & INSTALLED BY IRISH WATER AT THE CUSTOMER'S COST.

PROPOSED/EXISTING PLANTING NOTES:
WATERMAIN - ALL SERVICES TO HAVE SUFFICIENT CLEARANCE AWAY FROM EXISTING/NEW PLANTING AND APPROPRIATE PREVENTION MEASURES IN PLACE AS PER IRISH WATER RECOMMENDATIONS SET OUT IN THE "WATER INFRASTRUCTURE STANDARD DETAILS", DRAWINGS "STD-W-12 & STD-W-12A".
FOUL WATER - ALL FOUL SEWERS TO HAVE SUFFICIENT CLEARANCE AWAY FROM EXISTING/NEW PLANTING AND APPROPRIATE PREVENTION MEASURES IN PLACE AS PER IRISH WATER RECOMMENDATIONS SET OUT IN THE "WASTEWATER INFRASTRUCTURE STANDARD DETAILS", DRAWINGS "STD-WW-06 & STD-WW-06A".

PAVING LEGEND

- PERMEABLE PAVING
- GREEN PODIUM
- BLUE ROOF
- RAIN GARDEN
- 5000
- TREE PIT
- 3165
- GRASS
- REINFORCED GRASSED AREAS
- HARSTANDING/NON PERMEABLE SURFACE

LEGEND

- EX. SURFACE WATER SEWER: EX. SW03
- EX. FOUL WATER SEWER: EX. FW03
- NEW FOUL WATER SEWER: FW03
- NEW SURFACE WATER SEWER: SW03
- ROAD GULLY: RG
- EXISTING WATERMAIN: RG
- NEW 200 MDPE TYPE PE-80 WATERMAIN: ---
- NEW 150 MDPE TYPE PE-80 SERVICE MAIN: ---
- NEW 150 MDPE TYPE PE-80 DISTRIBUTION MAIN: ---
- EXISTING GROUND LEVELS / CONTOURS: ---
- METER/BOUNDARY BOX: ■
- SLUICE VALVE: ■
- SCOUR VALVE/SCOUR VALVE CHAMBER (CLASS 2) PETROL INTERCEPTOR: ■
- NEW HYDRANT: ■
- NEW WASHOUT HYDRANT: ■
- NEW ONLINE HYDRANT: ■
- EXISTING FIRE HYDRANT: ■
- FLOW METER KIOSK: ■
- EXISTING FIRE HYDRANT: ■
- OUTLINE OF STRUCTURES ABOVE: ---
- SITE BOUNDARY: ---

P1	08/03/2022	E.V	G.P	Issued for Stage 3 SHD Planning.
D	31/01/2022	E.V	G.P	Issued to Irish Water for Statement of Design Acceptance.
P	28/05/2021	E.V	G.P	Issued for Stage 2 SHD Planning.
Rev	Date	Dm	Chk'd	Description

UISCE EIREANN - IRISH WATER APPROVED

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Project:	Residential Development at Greenhills Road, Walkinstown, Dublin 12	Project No.:	20189	Dwg. No.:	C01b
Scale:	@A1	Date:	Feb. 2021	Drawn:	E.V
Drawing:	Proposed Watermain Layout (1 of 2)	Rev.:	P1	Model Rev.:	P01
Model Reference:	20189-LDE-ZZ-ZZ-M2-SC-001	Suitability:	S01		
Drawing Reference:	20189-LDE-07-00-DR-SC-1C01b				