



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. TO VIEW THE FULL EXTENT OF THE DRAINAGE SCHEME FOR THE PROPOSED DEVELOPMENT REFER TO DRAWING '20189-LDE-07-00-DR-SC-1C01a'.

EXISTING WATER MAIN:
 SLUICE VALVE IN THE LOCATION DENOTED IS TO BE CLOSED

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	
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	-0.00
METER/BOUNDARY BOX	
SLUICE VALVE	
SCOUR VALVE/SCOUR VALVE CHAMBER	SCSV
(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	

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)

MANHOLE NOTES:
 MANHOLES WHICH ARE LOCATED IN LANDSCAPED/GRASSED AREAS HAVE TO BE SURROUNDED BY A CONCRETE PLINTH, 200mm ALL ROUND AND 100mm DEEP FORMED WITH C20/25 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'.
WASTEWATER 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 "WASTEWATER INFRASTRUCTURE STANDARD DETAILS", DRAWINGS 'STD-WW-06 & STD-WW-06A'.

NOTES:
 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S 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.

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 450mm. ALL uPVC PIPES TO BE STRICTLY TO MANUFACTURERS INSTRUCTIONS.

ALL VERTICAL STACK CONNECTIONS TO FOUL SEWER CHAMBERS TO INCORPORATE LONG RADIUS BENDS AND TYPICAL CONNECTIONS TO BE STRICTLY TO MANUFACTURERS INSTRUCTIONS.

CONTINUATION OF PROPOSED WATERMAIN LAYOUT
 SCALE 1:500

Rev	Date	Dm	Chk'd	Description
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.

UISCE EIREANN IRISH WATER APPROVED

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Project:	Residential Development at Greenhills Road, Walkinstown, Dublin 12	Project No.:	20189	Dwg. No.:	C01c
Drawing:	Proposed Watermain Layout (2 of 2)	Scale:	@A1	Date:	Feb. 2021
Model Reference:	20189-LDE-ZZ-ZZ-M2-SC-0001	Drawn:	E.V	Rev.:	P1
Drawing Reference:	20189-LDE-07-00-DR-SC-1C01c	Model Rev.:	P01	Suitability:	S01