



- FMH 04 PROPOSED FOUL DRAINAGE MANHOLES
- PROPOSED 225mm Ø FOUL DRAIN (FALL 1:100)
- SMH 04 PROPOSED STORM DRAINAGE MANHOLES
- PROPOSED 225mm Ø STORM DRAIN (FALL 1:100)
- PROPOSED WATERMAIN
- PROPOSED 1500 HDPE WATERMAIN SUPPLY
- EXISTING WATERMAIN
- EXISTING CORK CITY COUNCIL WATERMAIN
- PROPOSED BULK METER BOX
- PROPOSED THRUST BLOCKS
- PROPOSED WATER METER
- PROPOSED FIRE HYDRANT
- PROPOSED AIR VALVE
- PROPOSED SCOUR VALVE
- PROPOSED SLUICE VALVE

- 1) WATERMAIN TO BE 1500 FOR MAIN CIRCULATION ROUTE. BRANCH MAINS TO BE 1000. ALL WATERMAIN LINES TO BE CLASS C 10 BAR PRESSURE. WATERMAIN TO BE LAID A MINIMUM OF 3m FROM PROPOSED STRUCTURE.
- 2) EACH PREMISE SHALL HAVE:
 - AN INDIVIDUAL WATER SUPPLY, TAKEN FROM A MANIFOLD BOX.
 - THE MANIFOLD BOX SHALL BE LOCATED ON THE FOOTPATH OUTSIDE THE BUILDING AS CLOSE TO PROPERTY BOUNDARY AS POSSIBLE.
 INDIVIDUAL WATER METERS ARE REQUIRED FOR EACH INDIVIDUAL PREMISE.
- 3) THE DEVELOPER SHALL MAKE PROVISION FOR ANY REDUNDANT EXISTING WATER SERVICES CONNECTIONS. ALL REDUNDANT EXISTING WATER SERVICES CONNECTIONS SHALL BE TRACED BACK TO THE PUBLIC MAIN BY THE DEVELOPER OR IRISH WATER THROUGH THE CONNECTION AGREEMENT AND SHALL BE BLANKED OFF AT THE DEVELOPERS EXPENSE.
- 4) ALL FIRE HYDRANTS WILL BE ACCESSIBLE IN AN EMERGENCY. REFER TO SECTION 3.5 OF WATER CODE OF PRACTICE.
- 5) ALL PLANTING OF NEW TREES/SHRUBS ADJACENT TO THE WATERMAIN SHALL COMPLY WITH IRISH WATER STANDARD DETAIL STD-W-12A.
- 6) THRUST BLOCKS TO BE PROVIDED ON WATERMANS AT DEAD ENDS, TEES, BENDS & AT BOTH SIDES OF A SLUICE VALVE CHAMBER. ALL DETAILS TO CONFORM WITH IRISH WATER STANDARD DETAILS DOCUMENT No IW-CDS-5020. ALL INCLUDED WITH THE SPECIFICATIONS DOCUMENTS.
- 7) LOCATION OF ALL WATERMANS ARE INDICATIVE / REPRESENTATIVE ONLY. EXACT SET OUT OF WATERMAIN TO BE LOCATED ON SITE IN ACCORDANCE WITH IRISH WATER DETAILS.
- 8) MINIMUM SEPERATION OF ALL SERVICES ON SITE TO BE AS PER IRISH WATER DETAIL STD-W-11. MINIMUM SEPERATION DISTANCES AS FOLLOWS

HORIZONTAL	
300mm TO DISTRIBUTION MAINS OF LESS THAN 300mm DIAMETER	500
500mm TO TRUNK MAINS BETWEEN 300mm AND 450mm DIAMETER	800
3m TO TRUNK / ARTERIAL MAINS OF GREATER THAN 450mm DIAMETER	750
TELECOM DUCTS IN ROADWAYS	350
CABLE TV DUCTS IN ROADWAYS & FOOTPATHS	450
- 9) MINIMUM OF 1M SEPERATION TO ALL WATERMANS FROM PROPERTY BOUNDARIES

ALL WATERSUPPLY DETAILS ARE TO COMPLY WITH AND BE ADOPTED FROM THE IRISH WATER - CONNECTION AND DEVELOPER SERVICES DOCUMENT FOR WATER INFRASTRUCTURE STANDARD DETAILS. REF TO IRISH WATER DOCUMENT No IW-CDS-5020-01. CONTRACTOR IS ALSO TO REFER TO THE CODE OF PRACTICE FOR WATER INFRASTRUCTURE DOCUMENT. CONNECTIONS AND DEVELOPER SERVICES. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SELF LAY DEVELOPMENTS DOCUMENT IW-CDS-5020-03

PIPE COVER CHART: WITHOUT CONCRETE ENCASEMENT	
LOCATION:	MIN COVER
SEWERS IN ROAD	1200
SEWERS IN OPEN SPACES	-
NOT ADJACENT TO ROADS	900
SEWERS IN GARDENS	600
WATERMANS ALL LOCATIONS	900
WATER SERVICES ALL LOCATIONS	600
ELECTESS CABLE DUCTS IN ROADWAY	900
ELECTESS CABLE DUCTS IN FOOTPATHS	500
NATURAL GAS MAINS IN ROADWAYS	800
NATURAL GAS MAINS IN FOOTPATHS	600
TELECOM DUCTS IN ROADWAYS	750
TELECOM DUCTS IN FOOTPATHS	350
CABLE TV DUCTS IN ROADWAYS & FOOTPATHS	450

PROPOSED WATER SUPPLY PLAN
SCALE 1:500

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- 2) THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, SERVICES ENGINEERS AND HORGANLYNCH DRAWINGS, DETAILS AND SPECIFICATIONS.
- 3) ALL DIMENSIONS TO BE CHECKED ON SITE AND ANY DISCREPANCY TO BE REPORTED TO THE ARCHITECT / ENGINEER. FIGURED DIMENSIONS ONLY TO BE USED. DRAWINGS NOT TO BE SCALED. ALL LEVELS ARE STRUCTURAL UNLESS OTHERWISE NOTED.
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REV	BY	CHK	DATE	DESCRIPTION
0	SC	KC	08.07.21	ISSUED FOR IW PRE-CONNECTION ENQUIRY
1	SC	KC	16.07.21	ISSUED FOR PRE-PLANNING
2	SC	KC	06.10.21	ISSUED FOR PRE-APPLICATION
3	KL	KC	27.04.22	ISSUED FOR IRISH WATER STATEMENT OF DESIGN ACCEPTANCE
4	KL	KC	28.04.22	IRISH WATER COMMENTS INCORPORATED
5	KL	KC	28.04.22	LOOP REVISED - REISSUED FOR STATEMENT OF DESIGN ACCEPTANCE
6	KL	KC	05.05.2022	ISSUED FOR PLANNING APPLICATION

PROJECT			
CARRAIGALINE SHD, CORK			
DRG. TITLE			
SITE SERVICES			
WATERMAIN LAYOUT			
SCALE	DRAWN BY	CHECKED BY	APPROVED BY
AS SHOWN (@ A1)	SC	KC	KC

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DRAWING: LY05-V1-XXX-DR-HLCE-CE-0003

HL PROJECT REF.	STATUS	REVISION
LY05	P1	6