2026 BLOCK E1 PLANNING AMENDMENT
Reg. Ref. 5050/26
STATUS: GRANTED

ATTENUATION FACILITY 2.2:

CONCRETE TANK PROVIDING 1:100 YEAR (1% AEP) ATTENUATION VOLUME REQUIREMENTS

PROVIDED VOLUME: 145m³

TWL: 39.1m
IL: 38.1m

TEMPORARY PHASE 1 ARRANGEMENT FOR ACCESS FOR BLOCK E2 TO BE DIVERTED INTO PROPOSED PHASE 2 SURFACE WATER NETWORK

PROPOSED PUBLIC OUTFALL TO BE RELAID DUE TO POOR FLOW CONDITIONS OF EXISTING MANHOLES

DIVERTED OUTFALL TO BE CONSTRUCTED AS PART OF SURFACE WATER NETWORK CONNECTION APPLICATION AS PART OF PHASE 1 COMPLIANCE SUBMISSION

FLOW CONTROL MANHOLE (HYDROBRAKE OPTIMUM OR SIMILAR)

DESIGN FLOW: 6.1 l/s
DESIGN HEAD: 1.3m

ATTENUATION FACILITY 2.1A: CONCRETE TANK

TANK PROVIDING 1:100 YEAR (1% AEP) ATTENUATION VOLUME REQUIREMENTS

PROVIDED VOLUME: 90m³

TWL: 39.1m
IL: 37.8m

FLOW CONTROL MANHOLE (HYDROBRAKE OPTIMUM OR SIMILAR)

DESIGN FLOW: 2.4 l/s
DESIGN HEAD: 1.535m

ATTENUATION FACILITY 2.1B: CONCRETE TANK

TANK PROVIDING 1:100 YEAR (1% AEP) ATTENUATION VOLUME REQUIREMENTS

PROVIDED VOLUME: 140m³

TWL: 40.8m
IL: 39.6m

SLUNG FW DRAINAGE CONNECTION

RISING MAIN FROM BASEMENT INCIDENTAL DRAINAGE TO DISCHARGE TO STANDOFF MANHOLE

BLIND MANHOLE FOR FUTURE CONNECTION

PROPOSED CONNECTION INTO BLIND MANHOLE TO BE CONSTRUCTED BY UE AS PART OF MAJOR CONNECTION AGREEMENT (CDS2400563501)

PROPOSED CONNECTION INTO BLIND MANHOLE TO BE CONSTRUCTED BY UE AS PART OF MAJOR CONNECTION AGREEMENT (CDS2400563501)

PROPOSED PRIVATE RAINGARDEN TO COLLECT FRONT COURTYARD WITH PUBLIC OUTFALL CHAMBER

OUTFALL FROM UNDERCROFT PARKING AREA INCIDENTAL DRAINAGE

IL TBC BY M&E

MATCHLINE

MATCHLINE

EX-MH212M
CL37.490
IL35.615

TIE-IN
CL 38.250
IL 37.950

EX 375Ø SW

N
W E
S

ON ORIGINAL
0 5 10 15 20 30 40 50mm

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NOTES:

GENERAL NOTES:

1. ALL DRAWINGS TO BE CHECKED BY CONTRACTOR ON SITE AND ENGINEER INFORMED OF DISCREPANCIES BEFORE WORK COMMENCES.
2. THE CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF EXISTING DRAINAGE AND OUTFALL LEVELS AND LOCATION OF EXISTING SERVICES ON SITE PRIOR TO COMMENCEMENT OF WORKS ON SITE.
3. ALL DIMENSIONS AND LEVELS ARE IN METERS AND ARE RELATED TO ORDINANCE DATUM. CO-ORDINATES RELATE TO IRISH TRANSVERSE MERCATOR.
4. ALL FOUL SEWERS, MANHOLES AND CONNECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE AND IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
5. ALL PUBLIC SURFACE WATER SEWERS TO BE MINIMUM 225 DIA. CLASS H CONCRETE TO EN1916 & IS 6 2004.
6. SURFACE WATER CONNECTIONS TO BE MINIMUM 150mm VITRIFIED CLAY PIPES AND FITTINGS TO I.S./EN 295-1/2/3:1992 IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS. ALL CONNECTIONS TO BE SURROUNDED IN MINIMUM 150MM ST4 CONCRETE.
7. ALL COVER LEVELS TO MATCH FINISHED ROAD/ VERGE/ FOOTPATH/ CYCLETRACK LEVELS UNLESS OTHERWISE STATED.
8. CONTRACTOR TO INCLUDE FOR CCTV SURVEY OF ALL SEWERS UPON COMPLETION OF SAME.
9. ALL FOUL SEWERS AND MANHOLES TO BE AIR TESTED IN ACCORDANCE WITH IRISH WATER SPECIFICATIONS.
10. WHERE COVERS ARE LOCATED IN GRASS AREAS THEY SHALL BE SURROUNDED BY A CONCRETE PLINTH, 200MM ALL ROUND AND 100mm DEEP FORMED WITH C20/25 CONCRETE, 20MM AGGREGATE SIZE. BEDDED IN CLAUSE 808 MATERIAL
11. ALL FOUL SEWERS PIPE MATERIAL TO BE TO SECTION 3.13 OF WASTEWATER CODE OF PRACTICE.

SERVICES LEGEND

- PROPOSED SITE BOUNDARY
- PROPOSED TAKEN IN CHARGE BOUNDARY
- EXISTING SURFACE WATER SEWER
- SURFACE WATER SEWER AND MANHOLE (PRIVATE)
- SURFACE WATER SEWER AND BLOCK BUILT MANHOLE (PUBLIC)
- BLOCK BUILT (600X600mm INTERNAL) SURFACE WATER OUTFALL MANHOLE & 150mm CLAYWARE CONNECTION
- 150mmØ SURFACE WATER COLLECTOR DRAIN SN8 UPVC & INSPECTION CHAMBER (PRIVATE AREA ONLY)
- SURFACE WATER FILTER DRAIN WITH 150 DIA PERFORATED TWINWALL PIPE (PRIVATE AREA ONLY)
- PUBLIC SURFACE WATER FILTER DRAIN WITH 150Ø PERFORATED VITRIFIED CLAY PIPE
- ROAD GULLY & 150Ø CLAYWARE LEADER
- PEDESTRIAN GULLY & 150Ø CLAYWARE LEADER
- PROPOSED SUDS CONNECTION TO TREE PIT
- ACO MULTIDRAIN M100D 0.0 WITH 110mm Ø OUTLET PIPE
- ACO MULTIDRAIN M100D 10.0 WITH 110mm Ø OUTLET PIPE
- ACO MULTIDRAIN M150D 10.0 WITH 160mm Ø OUTLET PIPE
- PROPOSED CONCRETE ATTENUATION TANK
- DRY SWALE WITH GRATED BLOCK BUILT MANHOLE INLET CHAMBER
- RAINGARDEN
- EXISTING FOUL SEWER
- EXISTING FOUL RISING MAIN
- PROPOSED FOUL SEWER AND MANHOLE (PRIVATE)
- PROPOSED FOUL SEWER AND MANHOLE (TAKEN IN CHARGE)
- PROPOSED FOUL WATER INSPECTION CHAMBER (STD-WW-13) AND 100mmØ HOUSE DRAIN
- PROPOSED LEVELS
- FINISHED FLOOR LEVEL
- BASEMENT EXTENTS

ORDNANCE SURVEY IRELAND LICENCE
No CYAL50276885
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GOVERNMENT OF IRELAND

rev	date	description	by	chkd.
P02	15/09/26	STAGE 3 LRD	PJC	GPH
P01	18/06/26	STAGE 2 LRD	PJC	GPH

client approval: A - Approved; B - Approved with comments; C - Do not use

suitability: S3 - REVIEW & COMMENT
issue purpose: PLANNING

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project ref.: LDA ROYAL LIVER PHASE 2

drawing title: DRAINAGE LAYOUT

client: LAND DEVELOPMENT AGENCY

designed by	author	scale	sheet size
GPH	PV	1:500	A1

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