NOTES

GENERAL

1. THESE DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT HAYES HIGGINS ENGINEERING DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.

DRAINAGE

3. ALL DRAINAGE WORKS ARE TO BE DESIGNED TO DÚN LAOGHAIRE COUNTY COUNCIL TAKING IN CHARGE STANDARDS. PLEASE CONSULT WITH WCC WATER SERVICES DEPARTMENT.
4. ALL WASTEWATER INFRASTRUCTURE TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH IRISH WATERS REQUIREMENTS & THEIR STANDARD DETAILS JULY 2020 (REVISION 2); IW-CDS-5030-01.
5. ALL DRAINAGE WORK TO BE CARRIED OUT IN ACCORDANCE WITH "DÚN LAOGHAIRE COUNTY DEVELOPMENT PLAN 2022-2028".
6. ALL DRAINAGE CONNECTIONS FROM BUILDINGS TO CONFORM TO THE BUILDING REGULATIONS 2010, PART H.
7. THE SURFACE/STORM WATER DRAINAGE TO CONSIST OF A SUSTAINABLE URBAN DRAINAGE (SUDS) TREATMENT MANAGEMENT TRAIN APPROACH, REFER TO THE CIRIA SUDS MANUAL & WWW.IRISHSUDS.COM. THE CONTRACTORS DESIGN TEAM TO FORWARD THE SUDS TREATMENT STRATEGY FOR APPROVAL TO DÚN LAOGHAIRE COUNTY COUNCIL WATER SERVICES DEPARTMENT.
8. CLASS E BEDDING TO ALL PIPES WITH COVER GREATER THAN 1.2m UNDER ROAD & 0.9m UNDER OTHER AREAS.
9. LADDERS ARE REQUIRED IN MANHOLES WHERE DEPTH FROM COVER LEVEL EXCEEDS 2.5m.
10. ALL ABANDONED PIPE RUNS AND MANHOLES TO BE BROKEN OUT AND BACKFILLED WITH 15/20N LEAN MIX CONCRETE.
11. ROAD GULLIES TO BE PROVIDED ALONG THE CARRIAGEWAY AT APPROPRIATE INTERVALS TO BE DESIGNED BY THE CONTRACTORS DESIGN TEAM.
12. ALL ROAD GULLIES AND MANHOLES COVERS TO EN 124 D400 IN ROADS AND B125 IN ALL OTHER PAVED AREAS, FOOTWAYS AND LANDSCAPED AREAS.
13. ALL PROPOSED SEWERS SHALL BE CLEANED, CCTV SURVEYED AND TESTED IN ACCORDANCE WITH DÚN LAOGHAIRE COUNTY COUNCIL'S "REQUIREMENTS FOR THE CONNECTION TO PUBLIC SEWERS". DLCC SHALL BE GIVEN THE OPPORTUNITY TO WITNESS THE TESTING.
14. THE CONTRACTOR ON COMPLETION SHALL PROVIDE AS CONSTRUCTED DRAWINGS OF INSTALLED DRAINAGE GIVING DETAILS OF TESTING RESULTS AND RE-TESTING IF NECESSARY.
15. CONTRACTOR TO REFER TO SERVICE/UTILITY PROVIDER FOR FURTHER SPECIFICATIONS & DETAILS ON COVER & SEPARATION DISTANCES TO SERVICES.
16. ALL UNITS TO HAVE FOUL INSPECTION CHAMBER AND CONNECTION TO MAIN FOUL LINE AND SURFACE WATER SYSTEM.
17. ALLOW FOR 30 No. ROAD GULLIES AND CONNECTION TO SURFACE LINE.

FOUL SEWER DRAINAGE TABLE

MANHOLE	COVER LEVEL	INVERT LEVEL	MH – MH	PIPE DIA.	MIN. PIPE GRAD.	MATERIAL
F01	141.986	139.480	F01–F02	150mm	1:60	uPVC
F02	142.148	139.198	F02–F03(BC)	150mm	1:60	uPVC
F03(BC)	140.295	138.545	–	–	–	–
F03(BC)	140.295	136.515	F03(BC)–F04	225mm	1:100	uPVC
F04	139.319	136.371	F04–F05	225mm	1:100	uPVC
F05	138.451	136.151	F05–F06	225mm	1:100	uPVC
F06	137.697	135.841	F06–F07(BC)	225mm	1:100	uPVC
F07(BC)	137.155	135.730	–	–	–	–
F07(BC)	137.155	134.776	F07(BC)–F08	225mm	1:200	uPVC
F08	136.000	134.642	F08–EX.FMH25(BC)	225mm	1:200	uPVC
EX.FMH25(BC)	135.100	134.575	–	–	–	–
F09	140.970	139.070	F09–F10	150mm	1:60	uPVC
F10	141.331	138.906	F10–F11	150mm	1:60	uPVC
F11	141.405	138.736	F11–F03(BC)	150mm	1:60	uPVC
F03(BC)	140.295	138.686	–	–	–	–

FOUL SEWER DRAINAGE TABLE

MANHOLE	COVER LEVEL	INVERT LEVEL	MH – MH	PIPE DIA.	MIN. PIPE GRAD.	MATERIAL
F12	136.610	133.642	F12–13	150mm	1:60	uPVC
F13	135.279	133.282	F13–F14(BC)	150mm	1:150	uPVC
F14(BC)	134.522	133.172	–	–	–	–
F14(BC)	134.480	130.913	F14(BC)–F15	150mm	1:150	uPVC
F15	134.087	130.855	F15–F16	150mm	1:150	uPVC
F16	132.716	130.582	F16–F17	225mm	1:200	uPVC
F17	132.191	130.259	F17–EX.FMH9	225mm	1:200	uPVC
EX.FMH9	132.270	130.220	–	–	–	–

STORM WATER DRAINAGE TABLE

MANHOLE	COVER LEVEL	INVERT LEVEL	MH – MH	PIPE DIA.	MIN. PIPE GRAD.	MATERIAL
S01	141.975	139.697	S01–S02	225mm	1:200	uPVC
S02	142.151	139.532	S02–S03(BC)	225mm	1:200	uPVC
S03(BC)	140.536	139.511	–	–	–	–
S03(BC)	140.536	136.611	S03(BC)–S04	225mm	1:200	uPVC
S04	139.320	136.535	S04–S05	225mm	1:200	uPVC
S05	138.404	136.414	S05–S06	225mm	1:200	uPVC
S06	137.784	136.271	S06–S07(BC)	225mm	1:200	uPVC
S07(BC)	137.440	136.221	–	–	–	–
S07(BC)	137.440	134.048	S07(BC)–S08	225mm	1:200	uPVC
S08	136.000	133.958	S08–EX.SMH7	225mm	1:200	uPVC
EX.SMH7	135.000	133.750	–	–	–	–
S09	140.993	139.499	S09–S10	225mm	1:200	uPVC
S10	141.403	139.368	S10–S11	225mm	1:200	uPVC
S11	141.352	139.172	S11–S03(BC)	225mm	1:200	uPVC
S03(BC)	140.536	139.111	–	–	–	–

STORM WATER DRAINAGE TABLE

MANHOLE	COVER LEVEL	INVERT LEVEL	MH – MH	PIPE DIA.	MIN. PIPE GRAD.	MATERIAL
S12	136.020	133.295	S12–ATT	225mm	1:200	uPVC
ATT	136.500	133.288	–	–	–	–
ATT	136.500	133.088	ATT–S13	225mm	1:200	uPVC
S13	136.650	133.081	S13–S14	225mm	1:200	uPVC
S14	136.362	133.065	S14–S15	225mm	1:200	uPVC
S15	135.242	132.974	S15–S16(BC)	225mm	1:200	uPVC
S16(BC)	134.152	132.850	–	–	–	–
S16(BC)	134.152	131.122	S16(BC)–S17	225mm	1:200	uPVC
S17	132.647	131.093	S17–S18	225mm	1:200	uPVC
S18	132.293	131.077	S18–S19(BC)	225mm	1:200	uPVC
S19(BC)	132.050	131.025	–	–	–	–

DRAINAGE LEGEND

- EXISTING SURFACE WATER SEWER
- EXISTING FOUL SEWER
- PROPOSED SURFACE WATER SEWER (UPVC)
- PROPOSED FOUL SEWER (UPVC)
- PERFORATED 225mm PIPE (UPVC)
- EX.SMH — EXISTING SURFACE WATER MANHOLE
- EX.FMH — EXISTING SURFACE WATER MANHOLE
- S02 — PROPOSED SURFACE WATER MANHOLE
- F02 — PROPOSED FOUL MANHOLE
- EXISTING HEADWELL
- GY — PROPOSED SURFACE WATER GULLY
- SIC — PROPOSED SURFACE INSPECTION CHAMBER
- FIC — PROPOSED FOUL INSPECTION CHAMBER
- +135.00 — PROPOSED LEVELS

REV	DATE	DESCRIPTION	DWG BY	APPR. BY
P	12.08.24	ISSUED FOR PLANNING	PN	LM

ISSUED
PLANNING

CLIENT
DÚN LAOGHAIRE COUNTY COUNCIL

PROJECT NAME
RESIDENTIAL HOUSING DEVELOPMENT AT BLACKGLEN ROAD

DRAWING NAME
PROPOSED DRAINAGE LAYOUT

PROJECT No. 23D059

DRAWING No. 02 | REVISION P

SCALE 1:500 | DRAWN DATE 27.03.24

CAD DRAWN BY F.S. | CHECKED BY L.M. | APPROVED BY D.H.

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