



**A PROPOSED DRAINAGE TABLES**

0506 Scale: NTS

**SURFACE WATER NETWORK DETAILS**

Pipe Number	US MH*/CP**/HW*** Name	Pipe Length (m)	Fall (m)	Slope (1:X)	US/IL (m)	US/CL (m)	Pipe DIA (mm)	US D.Depth (m)
1.000	1	51.056	1.021	50.0	53.975	55.400	225	1.425
2.000	2	35.813	0.179	200.1	52.600	54.100	225	1.500
1.001	3	43.085	0.215	200.4	52.271	54.380	375	2.109
1.002	4	29.170	0.151	193.6	52.056	54.100	375	2.044
1.003	5	3.646	0.014	260.4	51.905	54.000	375	2.095
1.004	6	27.342	0.137	199.6	51.891	54.000	375	2.109
3.000	7	41.775	0.209	199.9	51.900	53.350	225	1.450
1.005	8	59.377	0.218	272.9	51.541	53.750	375	2.209
1.006	9	23.799	0.119	200.0	51.323	53.350	375	2.027
4.000	10	10.359	0.052	199.2	53.500	55.000	225	1.500
4.001	11	62.562	0.782	80.0	53.448	54.910	225	1.462
4.002	12	21.383	0.381	56.1	52.666	54.100	225	1.434
4.003	13	62.370	0.474	131.7	52.285	53.720	225	1.435
4.004	14	89.781	2.064	43.5	51.736	53.250	300	1.514
5.000	15	65.292	0.597	109.4	50.955	52.380	225	1.425
5.001	16	32.782	0.179	183.1	50.358	51.500	225	1.142
5.002	17	10.397	0.061	170.4	50.179	51.600	225	1.421
6.000	18	16.568	0.080	207.1	52.200	53.650	225	1.450
6.001	19	31.362	0.713	44.0	52.120	53.550	225	1.430
7.000	20	4.862	0.162	30.0	51.575	53.000	225	1.425
6.002	21	9.866	0.329	30.0	51.403	52.850	225	1.447
6.003	22	10.933	0.050	216.5	51.074	52.500	225	1.426
8.000	23	8.476	0.045	188.4	51.075	52.500	225	1.425
6.004	24	9.668	0.082	118.5	51.024	52.500	225	1.476
6.005	25	11.188	0.067	168.0	50.942	52.400	225	1.458
6.006	26	3.855	0.019	200.0	50.875	52.320	225	1.445
6.007	27	22.076	0.171	129.1	50.856	52.300	225	1.444
9.000	28	11.040	0.291	38.0	51.700	53.170	225	1.470
9.001	29	10.996	0.312	35.2	51.409	52.840	225	1.431
9.002	30	8.970	0.112	80.0	51.097	52.550	225	1.453
9.003	31	10.890	0.255	42.7	50.985	52.410	225	1.425
9.004	32	7.664	0.045	170.0	50.730	52.240	225	1.510
10.000	33	2.504	0.013	192.6	50.698	52.100	100	1.402
6.008	34	43.738	0.182	240.3	50.685	52.100	300	1.415
11.000	35	3.707	0.020	188.2	51.305	52.730	225	1.425
11.001	36	6.890	0.033	208.8	50.536	52.710	225	2.174
6.009	37	21.993	0.092	239.1	50.503	52.700	300	2.197
12.000	38	2.489	0.015	170.0	50.935	52.360	225	1.425
6.010	39	19.836	0.083	239.0	50.411	52.350	300	1.939
6.011	40	50.438	0.210	240.2	50.328	52.120	300	1.792
5.003	41	57.235	0.140	408.8	50.118	51.480	375	1.362
5.004	42	51.201	0.140	365.7	49.978	51.420	375	1.442
5.005	43	15.128	0.043	351.8	49.838	52.100	375	2.262
5.006	44	41.040	0.123	333.7	49.795	52.200	375	2.405
4.005	45	66.625	0.214	311.3	49.672	52.230	375	2.558
4.006	46	28.997	0.091	318.6	49.458	52.730	375	3.272
1.007	47	13.030	0.038	342.9	49.367	52.170	375	2.803
1.008	48	13.272	0.039	340.3	49.329	51.900	450	2.571

\* MH = Manhole                      \*\* CP = Catchpit                      \*\*\* HW = Headwall



**PROJECT**  
 PART 8 PROPOSED REDEVELOPMENT OF THE WONDERFUL BARN P82024.10  
 CELBRIDGE RD, BARNHALL, LEIXLIP, CO. KILDARE  
**CLIENT**

**KILDARE COUNTY COUNCIL**

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- NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS. ANY DISCREPANCIES, ERRORS OR OMISSIONS TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER.
  - DRAWING TO BE READ IN CONJUNCTION WITH LANDSCAPE'S ARCHITECT DRAWINGS.
  - ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR ON SITE PRIOR TO COMMENCEMENT OF WORKS.
  - AECOM LIMITED TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORKS ON SITE.
  - DIMENSIONS OF ALL BOUNDARIES AND ADJOINING ROADS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF WORKS.
  - DO NOT SCALE. ALL MEASUREMENTS AND COORDINATES TO BE CHECKED ON SITE.
  - EXISTING SERVICES SHOWN ON DRAWINGS ARE BASED ON PUBLIC RECORDS AVAILABLE AT THE DATE OF THIS PLANNING APPLICATION. RECORDS COULD BE INACCURATE. THEREFORE SHOULD BE VERIFIED VIA GPR AND MANHOLE SURVEY.
  - THE FOLLOWING TOPOGRAPHIC SURVEY HAVE BEEN USED TO DEVELOP THE DESIGN: MGS57199\_T\_2d
  - EXISTING UNDERGROUND INFRASTRUCTURE IDENTIFIED BY THE GROUND PENETRATION RADAR (GPR) SURVEY CARRIED OUT BY MURPHY GEOSPATIAL
  - THE LOCATION & DEPTH OF SERVICES TO BE CHECKED ON SITE PRIOR TO COMMENCING ANY WORKS.
  - MANHOLE COVERS AND FRAMES IN PUBLICLY ACCESSIBLE AREAS SHALL BE HEAVY DUTY CAST IRON, CLASS D400, DOUBLE SEALED AND LOCKABLE TYPE COMPLYING WITH BS EN 124-2:2015.
  - GULLY GRATINGS & FRAMES SHALL COMPLY WITH BS EN 124-2:2015.
  - EXISTING INVERT LEVELS TO BE VERIFIED ON SITE BEFORE COMMENCING CONSTRUCTION.
  - SURFACE WATER & FOUL SEWER PIPES LESS THAN 1.2m BELOW THE ROAD SURFACE OR LESS THAN 0.3m IN NON-TRAFFICKED FOOTPATHS AND LANDSCAPE AREAS (WITH AN ABSOLUTE MINIMUM DEPTH OF COVER ABOVE THE EXTERNAL CROWN OF THE PIPE Ø750mm) SHALL BE PROTECTED FROM DAMAGE BY PROVIDING MINIMUM 150mm THICK CONCRETE C16/20 HAUNCH IN ACCORDANCE WITH IS EN 12620.
  - ATTENUATION PROPOSALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY.
  - RAINWATER BUTTS TO BE INSTALLED AT THE BACK OF EACH PROPOSED DWELLING.
  - CCTV SURVEY TO BE CONDUCTED PRIOR TO COMMENCEMENT OF ANY WORKS TO DETERMINE THE CONDITION AND VERIFY LEVELS OF THE EXISTING FOUL AND SURFACE WATER PIPES' MANHOLES. ANY SUB-STANDARD OR DEFECTIVE ELEMENTS OF THE EXISTING PIPES/MANHOLES TO BE REPORTED AND CORRECTED.
  - ALL SURFACE WATER DRAINAGE DETAILS TO BE IN ACCORDANCE WITH THE GREATER DUBLIN STRATEGIC DRAINAGE STUDY AND THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
  - ALL FOUL WATER DETAILS TO BE IN ACCORDANCE WITH THE IRISH WATER INFRASTRUCTURE STANDARD DETAILS AND CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE.
  - LOCATION OF INFILTRATION TESTS BASED ON THE IGSL SITE INSPECTIONS (REPORT NO. 26503).
  - PROPOSED MANHOLES WITH COVER TO GROUND BETWEEN 750mm AND 1.2m TO BE CONCRETE SURROUNDED.
  - FOR DRAINAGE NETWORK DRAWING REFER TO DRAWING 60689541-ACM-XX-00-DR-CE-10-0500.

**ISSUE/REVISION**

I/R	DATE	DESCRIPTION
0	05.06.2024	ISSUED FOR PART 8

**PROJECT NUMBER**  
 60689541

**SHEET TITLE**  
 PROPOSED DRAINAGE TABLES

**SHEET NUMBER**  
 60689541-ACM-XX-00-DR-CE-10-0506

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