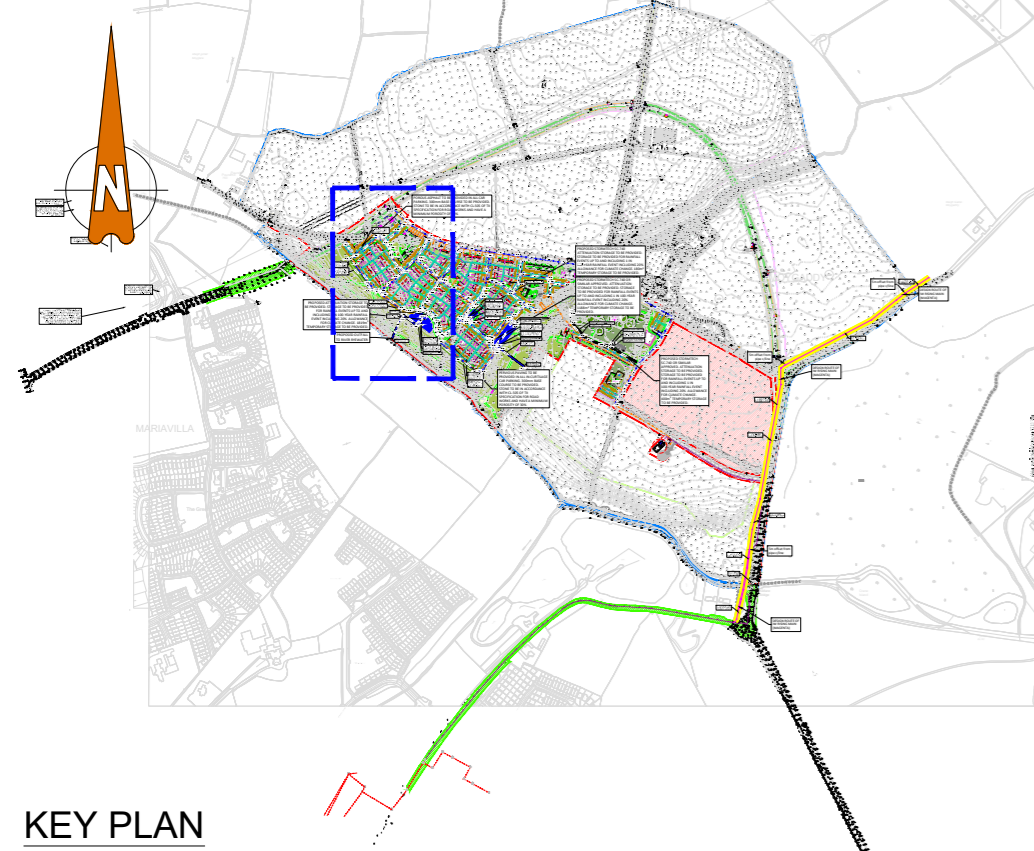


PLANNING DRAWING.
 NOT FOR CONSTRUCTION.
 ALL LEVELS GIVEN ARE
 RELATIVE TO ORDNANCE DATUM.
 THIS DRAWING HAS BEEN ISSUED FOR INFORMATION
 PURPOSES ONLY AND MUST NOT BE USED
 FOR CONSTRUCTION UNDER ANY CIRCUMSTANCES

LEGEND:

SITE BOUNDARY (CO. MEATH)	Red line
SITE BOUNDARY UNDER SEPARATE APPLICATION	Blue line
WORKS WITHIN CO. KILDARE	Green line
MASTER PLAN BOUNDARY	Yellow line
TWIN HDPE RISING MAIN	Orange line
uPVC S&B WASTEWATER DRAINAGE OR SIMILAR APPROVED	Blue dashed line
1200mm Ø WASTEWATER DRAINAGE PRECAST CONCRETE MANHOLE	Circle with 'WC-MH-??'
uPVC S&B WASTEWATER DRAINAGE SERVICE CONNECTION	Blue dashed line with 'WW-??'
600mm x 600mm WASTEWATER DRAINAGE INSPECTION CHAMBER	Square with 'WC-MH-??'

- GENERAL NOTES:**
- ALL NOTED LEVELS ARE TO ORDNANCE DATUM, MALIN HEAD.
 - REFER TO ARCHITECT'S LAYOUT FOR ALL SET-OUT INFORMATION.
 - REFER TO ARCHITECT'S / LANDSCAPE ARCHITECT'S DESIGN DRAWINGS FOR DETAILS OF PROPOSED SURFACE FINISHES AND LANDSCAPING.
 - REFER TO ARCHITECT DRAWINGS FOR DETAILS OF PRIVATE DRAINAGE.
 - ALL SURFACE WATER DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE GREATER DUBLIN REGION CODE OF PRACTICE FOR DRAINAGE WORKS, THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
 - ALL CAR PARK DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE GREATER DUBLIN REGION CODE OF PRACTICE FOR DRAINAGE WORKS, THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
 - ALL WASTEWATER DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE (REVISION 2 - JULY 2020), THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
 - ALL DRAINAGE COVER LEVELS ARE TO BE COORDINATED WITH PROPOSED ROAD DESIGN LEVELS AND ARCHITECT/LANDSCAPE ARCHITECT'S PROPOSED FINISH LEVELS.
 - ALL BASEMENT CHAMBER COVERS TO BE DOUBLE SEALED, AND CLASSIFICATION D400 LOADING WHERE LOCATED IN VEHICULAR AREAS.
 - ALL CONNECTIONS TO NEW DRAINAGE NETWORKS ARE TO BE MADE AT AN ANGLE OF 90° OR IN THE DIRECTION OF FLOW.
 - REFER TO ARCHITECT AND M&E ENGINEERING DESIGN DRAWINGS FOR CONFIRMATION OF LOCATION AND SPECIFICATION OF FLOOR GULLIES.
 - REFER TO M&E ENGINEERING DESIGN FOR CONFIRMATION OF WASTE AND SANITARY POP-UP/OUTLET LOCATIONS.
 - THE CONTRACTOR IS TO VERIFY INVERT LEVEL AT PROPOSED CONNECTION TO EXISTING SEWERS, PRIOR TO ANY OTHER WORKS BEING CARRIED OUT, AND MAKE ANY DISCREPANCIES KNOWN TO THE ENGINEER.
 - THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMATION OF PRESENCE ALL EXISTING UTILITIES, IF ANY, ALONG ROUTE OF PROPOSED DRAINAGE NETWORKS - BY INTRUSIVE INVESTIGATION OR EQUAL.
 - EXISTING PUBLIC SEWER TO BE JET CLEANED AND CCTV SURVEYED PRIOR TO, AND AFTER PROPOSED CONNECTIONS FROM NEW NETWORK.
 - ALL NEW DRAINAGE INFRASTRUCTURE TO BE JET CLEANED AND CCTV SURVEYED, WITH ANY NOTED DEFECTS REMEDIATED, ON COMPLETION OF WORKS, TO THE SATISFACTION OF THE LOCAL AUTHORITY.
 - WHERE MANHOLE COVERS ARE TO BE LOCATED IN SOFT LANDSCAPED/GRASS AREAS; TO ENSURE THAT MANHOLE COVERS ARE IDENTIFIABLE, ACCESSIBLE AND WILL NOT BECOME OVERGROWN, COVERS ARE 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.



- FOR SETTING OUT REFER TO ARCHITECT'S DRAWINGS.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL AND ENGINEERING DRAWINGS AND ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.
- DO NOT SCALE DRAWING. USE FIGURED DIMENSIONS ONLY.
- NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR STORED IN ANY RETRIEVAL SYSTEM OF ANY NATURE WITHOUT THE WRITTEN PERMISSION OF O'CONNOR SUTTON CROMIN AS COPYRIGHT HOLDER EXCEPT AS AGREED FOR USE ON THE PROJECT FOR WHICH THE DOCUMENT WAS ORIGINALLY ISSUED.

PN	Length (m)	Slope (1:X)	USMH (m)	USCL (m)	USIL (m)	DSMH (m)	DSCL (m)	DSIL (m)	Dia (mm)
WC-1.000	38.836	150.0	WC-MH 1	56.988	55.500	WC-MH 3	56.803	55.241	225
WC-2.000	19.565	60.0	WC-MH 2	56.554	55.200	WC-MH 3	56.803	54.874	150
WC-1.001	10.631	200.0	WC-MH 3	56.603	54.799	WC-MH 4	56.640	54.746	225
WC-1.002	76.391	200.0	WC-MH 4	56.640	54.746	WC-MH 5	56.264	54.364	225
WC-1.003	83.504	200.0	WC-MH 5	56.264	54.364	WC-MH 6	55.528	53.946	225
WC-1.004	14.929	200.0	WC-MH 6	55.528	53.946	WC-MH 12	55.532	53.872	225
WC-3.000	9.275	60.0	WC-MH 7	56.464	55.100	WC-MH 8	56.405	54.945	150
WC-3.001	37.736	60.0	WC-MH 8	56.405	54.945	WC-MH 9	56.206	54.316	150
WC-3.002	13.828	130.0	WC-MH 9	56.206	54.316	WC-MH 10	56.044	54.210	150
WC-3.003	38.894	130.0	WC-MH 10	56.044	54.210	WC-MH 11	55.586	53.911	150
WC-3.004	6.409	130.0	WC-MH 11	55.586	53.911	WC-MH 12	55.532	53.862	150
WC-1.005	5.690	200.0	WC-MH 12	55.532	53.787	WC-MH 13	55.460	53.758	225
WC-1.006	49.051	200.0	WC-MH 13	55.460	53.758	WC-MH 14	55.049	53.513	225
WC-1.007	19.441	200.0	WC-MH 14	55.049	53.513	WC-MH 15	55.864	53.416	225
WC-1.008	24.791	200.0	WC-MH 15	55.864	53.416	WC-MH 20	56.063	53.292	225
WC-4.000	24.542	60.0	WC-MH 16	56.773	55.400	WC-MH 17	56.484	54.991	150
WC-4.001	22.768	60.0	WC-MH 17	56.484	54.991	WC-MH 18	56.229	54.612	150
WC-4.002	9.987	60.0	WC-MH 18	56.229	54.612	WC-MH 19	56.129	54.445	150
WC-4.003	6.593	60.0	WC-MH 19	56.129	54.445	WC-MH 20	56.063	54.335	150
WC-1.009	19.243	200.0	WC-MH 20	56.063	53.292	WC-MH 21	56.069	53.196	225
WC-1.010	12.518	200.0	WC-MH 21	56.069	53.196	WC-MH 22	55.901	53.133	225
WC-1.011	13.813	200.0	WC-MH 22	55.901	53.133	WC-MH 23	55.697	53.064	225
WC-1.012	21.399	200.0	WC-MH 23	55.697	53.064	WC-MH 24	55.368	52.957	225
WC-1.013	7.893	200.0	WC-MH 24	55.368	52.957	WC-MH 25	55.251	52.917	225
WC-1.014	26.300	200.0	WC-MH 25	55.251	52.917	WC-MH 27	55.384	52.786	225
WC-1.015	34.030	200.0	WC-MH 27	55.384	52.786	WC-MH 29	55.561	52.616	225
WC-1.016	66.609	200.0	WC-MH 29	55.561	52.616	WC-MH 30	54.884	52.283	225
WC-1.017	12.077	200.0	WC-MH 30	54.884	52.283	WC-MH 36	54.790	52.222	225
WC-5.000	89.000	60.0	WC-MH 31	54.737	53.300	WC-MH 33	54.009	51.817	225
WC-5.001	51.424	130.0	WC-MH 33	54.009	51.817	WC-MH 34	54.510	51.421	225
WC-5.002	23.594	130.0	WC-MH 34	54.510	51.421	WC-MH 35	54.772	51.240	225
WC-5.003	6.354	130.0	WC-MH 35	54.772	51.240	WC-MH 36	54.790	51.191	225
WC-1.018	19.442	200.0	WC-MH 36	54.790	51.191	WC-MH 38	54.380	50.839	225
WC-1.019	19.442	200.0	WC-MH 38	54.380	50.839	WC-MH 39	54.695	50.742	225
WC-1.020	29.522	200.0	WC-MH 39	54.695	50.742	WC-MH 65	55.115	50.594	225
WC-6.000	15.000	60.0	WC-MH 40	57.018	55.500	WC-MH 42	56.869	55.250	150
WC-6.001	15.623	60.0	WC-MH 42	56.869	55.250	WC-MH 44	56.736	54.990	150
WC-7.000	29.021	60.0	WC-MH 43	56.333	54.900	WC-MH 44	56.736	54.416	150
WC-6.002	67.572	200.0	WC-MH 44	56.736	54.416	WC-MH 51	55.807	53.567	225
WC-8.000	53.545	60.0	WC-MH 46	57.476	56.100	WC-MH 47	56.850	55.208	150
WC-6.003	87.136	200.0	WC-MH 47	56.850	55.208	WC-MH 51	55.807	53.567	225
WC-9.000	27.037	60.0	WC-MH 50	55.607	54.200	WC-MH 51	55.807	53.749	150
WC-6.004	22.144	200.0	WC-MH 51	55.807	53.567	WC-MH 49	55.901	53.457	225
WC-6.005	17.225	200.0	WC-MH 49	55.901	53.457	WC-MH 52	56.030	53.370	225
WC-6.006	19.346	200.0	WC-MH 52	56.030	53.370	WC-MH 54	56.276	53.274	225
WC-10.000	34.582	60.0	WC-MH 53	56.756	55.400	WC-MH 54	56.276	54.824	150
WC-6.007	16.863	200.0	WC-MH 54	56.276	53.274	WC-MH 55	56.334	53.189	225
WC-6.008	16.863	200.0	WC-MH 55	56.334	53.189	WC-MH 56	56.320	53.105	225
WC-6.009	29.822	200.0	WC-MH 56	56.320	53.105	WC-MH 64	55.781	52.956	225
WC-11.000	42.273	300.0	WC-MH 57	57.171	55.600	WC-51	57.556	55.459	300

PN	Length (m)	Slope (1:X)	USMH (m)	USCL (m)	USIL (m)	DSMH (m)	DSCL (m)	DSIL (m)	Dia (mm)
WC-11.001	50.038	300.0	WC-MH 51	57.556	55.459	WC-MH 52	57.338	55.292	300
WC-11.002	65.219	300.0	WC-MH 52	57.338	55.292	WC-MH 58	57.618	55.075	300
WC-11.003	67.918	300.0	WC-MH 58	57.618	55.075	WC-MH 59	57.178	54.849	300
WC-11.004	67.833	300.0	WC-MH 59	57.178	54.849	WC-MH 60	57.007	54.622	300
WC-11.005	25.128	300.0	WC-MH 60	57.007	54.622	WC-MH 61	56.549	54.539	300
WC-11.006	29.327	300.0	WC-MH 61	56.549	54.539	WC-MH 62	55.973	54.441	300
WC-11.007	15.915	300.0	WC-MH 62	55.973	54.441	WC-MH 63	55.825	54.388	300
WC-11.008	9.755	300.0	WC-MH 63	55.825	54.388	WC-MH 64	55.781	54.355	300
WC-6.010	36.776	200.0	WC-MH 64	55.781	54.355	WC-MH 65	55.115	52.697	300
WC-1.021	33.360	300.0	WC-MH 65	55.115	52.697	WC-MH 66	54.199	50.408	300
WC-1.022	39.596	300.0	WC-MH 66	54.199	50.408	WC-MH 73	56.240	50.276	300
WC-12.000	29.875	150.0	WC-MH 67	56.504	55.000	WC-MH 71	56.712	54.801	225
WC-13.000	49.373	60.0	WC-MH 68	56.468	55.000	WC-MH 69	56.720	54.177	150
WC-13.001	7.179	60.0	WC-MH 69	56.720	54.177	WC-MH 70	56.751	54.065	150
WC-13.002	11.719	60.0	WC-MH 70	56.751	54.065	WC-MH 71	56.712	53.870	150
WC-12.001	21.261	200.0	WC-MH 71	56.712	53.870	WC-MH 72	56.521	53.689	225
WC-12.002	21.116	200.0	WC-MH 72	56.521	53.689	WC-MH 73	56.240	53.583	225
WC-1.023	41.441	300.0	WC-MH 73	56.240	53.583	WC-MH 74	55.790	50.138	300
WC-1.024	35.967	300.0	WC-MH 74	55.790	50.138	WC-MH 75	56.210	50.018	300
WC-1.025	10.346	300.0	WC-MH 75	56.210	50.018	WC-MH 76	56.022	49.984	300
WC-1.026	63.670	300.0	WC-MH 76	56.022	49.984	WC-MH 78	56.264	49.771	300
WC-1.027	81.329	300.0	WC-MH 78	56.264	49.771	WC-MH 79	56.640	49.500	300
WC-1.028	45.613	300.0	WC-MH 79	56.640	49.500	WC-MH 74	55.979	49.348	300
WC-1.029	45.613	300.0	WC-MH 74	55.979	49.348	WC-MH 80	55.649	49.196	300
WC-1.030	77.721	300.0	WC-MH 80	55.649	49.196	WC-MH 81	55.900	48.937	300
WC-1.031	49.653	300.0	WC-MH 81	55.900	48.937	WC-MH 82	56.300	48.772	300
WC-1.032	21.087	300.0	WC-MH 82	56.300	48.772	WC-MH 78	56.000	48.701	300
WC-1.033	13.893	300.0	WC-MH 78	56.000	48.701	WC-MH 79	56.000	48.655	300
WC-1.034	9.217	300.0	WC-MH 79	56.000	48.655	WC-MH 77	56.000	48.624	300
WC-1.035	10.000	300.0	WC-MH 77	56.000	48.624	WC-	55.600	48.591	300

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 Multidisciplinary Consulting Engineers

Client: SKY CASTLE LTD.
 Project: MOYGADDY CASTLE SHD

Title: WASTEWATER DRAINAGE LAYOUT
 WASTEWATER NETWORK
 SHEET 1 OF 7

Code | Originator | Zone | Level | Type | Role | Number | Status | Revision
 S665 - OCSC - 1C - XX - DR - C - 0504 | S4 | P06

Date: OCT'21 Scale: 1:500 @ A1 Dn by:RM Chkd by:MK Aprvd by:MK