SURFACE WATER NETWORK - CARPARK (SW-CP)

Name	US Node	US Node CL (m)	DS Node	DS Node CL (m)	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)
1.000	1	43.218	3	42.806	20.606	41.793	41.230	0.563	36.6	225
2.000	2	42.782	3	42.806	17.090	41.375	41.230	0.145	117.8	225
1.001	3	42.806	4	42.403	35.405	41.230	40.900	0.330	107.3	225
1.002	4	42.403	5	42.049	34.420	40.900	40.556	0.344	100.2	225
1.003	5	42.049	6	41.670	35.435	40.556	40.245	0.311	113.8	225
1.004	6	41.670	7	40.849	54.892	40.170	39.349	0.821	66.9	300
1.005	7	40.849	8	39.445	40.487	39.349	37.945	1.404	28.8	300
1.006	8	39.445	9	37.856	40.157	37.656	36.356	1.300	30.9	300
1.007	9	37.856	10	36.270	39.491	36.356	34.715	1.641	24.1	300
1.008	10	36.270	11	35.166	27.194	34.715	33.641	1.074	25.3	300
1.009	11	35.166	12	35.205	8.678	33.641	33.424	0.217	40.0	300
1.010	12	35.205	13	34.995	15.386	33.424	33.039	0.385	40.0	300
1.011	13	34.995	26	33.720	16.903	33.039	32.616	0.423	40.0	300
3.000	60	35.920	61	35.490	30.691	34.600	34.340	0.260	118.0	225
3.001	61	35.490	62	35.190	20.540	34.340	34.215	0.125	164.3	225
3.002	62	35.190	18	34.806	25.534	34.215	33.831	0.384	66.5	225
3.003	18	34.806	19	34.372	29.009	33.381	32.790	0.591	49.0	225
3.004	19	34.372	20	34.045	24.408	32.790	32.620	0.170	144.0	225
3.005	20	34.045	23	34.004	4.800	32.620	32.466	0.154	31.2	225
4.000	21	34.469	22	34.122	17.365	32.968	32.671	0.297	58.5	225
4.001	22	34.122	23	34.004	23.052	32.671	32.466	0.205	112.4	225
3.006	23	34.004	24	33.649	9.040	32.466	32.376	0.090	100.0	225
3.007	24	33.649	25	33.600	5.108	32.301	32.280	0.021	243.2	300
3.008	25	33.600	26	33.720	20.075	32.280	32.198	0.082	244.8	300
1.012	26	33.720	31	34.562	11.993	32.048	32.018	0.030	400.0	450
5.000	27	33.438	28	33.770	10.708	32.460	32.397	0.063	170.0	225
5.001	28	33.770	29	33.339	10.798	32.397	32.333	0.064	168.7	225
5.002	29	33.339	30	33.752	19.007	32.333	32.221	0.112	170.0	225
5.003	30	33.752	31	34.562	10.941	32.221	32.157	0.064	170.0	225
1.013	31	34.562	48	36.021	17.928	31.932	31.887	0.045	400.0	450
6.000	32	36.652	34	35.029	47.862	35.318	33.404	1.914	25.0	225
7.000	33	33.983	34	35.029	46.990	32.958	32.682	0.276	170.0	225
6.001	34	35.029	38	35.468	12.423	32.682	32.475	0.207	60.0	225
8.000	35	34.171	38	35.468	45.892	32.746	32.476	0.270	170.0	225
9.000	36	37.070	37	35.981	16.447	34.990	34.442	0.548	30.0	225
9.001	37	35.981	38	35.468	11.991	34.442	33.962	0.480	25.0	225
6.002	38	35.468	41	36.058	12.572	32.475	32.401	0.074	170.0	225
10.000	39	36.959	40	36.362	11.874	35.166	34.929	0.237	50.0	225
10.001	40	36.362	41	36.058	13.372	34.929	34.662	0.267	50.0	225
6.003	41	36.058	42	35.409	50.322	32.401	32.105	0.296	170.0	225
6.004	42	35.409	48	36.021	9.297	32.105	32.050	0.055	170.0	225
11.000	43	37.698	44	37.085	48.906	36.061	35.246	0.815	60.0	225
11.001	44	37.085	47	36.286	50.362	35.246	34.859	0.387	130.1	225
12.000	45	34.846	46	36.032	13.947	33.821	33.739	0.082	170.0	225
12.001	46	36.032	47	36.286	5.238	33.739	33.708	0.031	170.0	225
11.002	47	36.286	48	36.021	3.230	33.708	33.689	0.019	170.0	225
1.014	48	36.021	49	36.698	49.175	31.750	31.651	0.099	495.0	525
1.015	49	36.698	50	37.066	49.159	31.651	31.552	0.099	495.0	525
1.016	50	37.066	50_OUT	32.500	27.501	31.552	31.496	0.056	495.0	525
13.000	51	32.500	52	34.408	21.352	30.000	29.912	0.088	244.0	300
13.001	52	34.408	53	31.713	6.677	29.912	29.885	0.027	244.0	300
13.002	53	31.713	54	31.762	63.605	29.885	29.624	0.261	244.0	300
13.003	54	31.762	55	31.616	60.209	29.624	29.377	0.247	244.0	300
13.004	55	31.616	56	31.444	60.305	29.377	27.869	1.508	40.0	300
13.005	56	31.444	57	30.738	13.984	27.869	27.403	0.466	30.0	300
13.006	57	30.738	58	28.103	43.975	27.403	25.204	2.199	20.0	300
13.007	58	28.103	59	25.758	44.632	25.204	22.972	2.232	20.0	300
13.008	59	25.758	59_OUT	22.000	49.297	22.972	20.507	2.465	20.0	300
16.000	63	36.426	64	36.117	18.256	36.090	35.757	0.333	54.9	300
16.001	64	36.117	65	35.489	19.696	35.757	35.130	0.627	31.4	300
16.002	65	35.489	66	34.978	18.078	35.130	34.619	0.511	35.4	300
16.003	66	34.978	67	34.855	37.000	34.619	34.496	0.123	300.0	300

SURFACE WATER NETWORK - NORTH (SW-N)

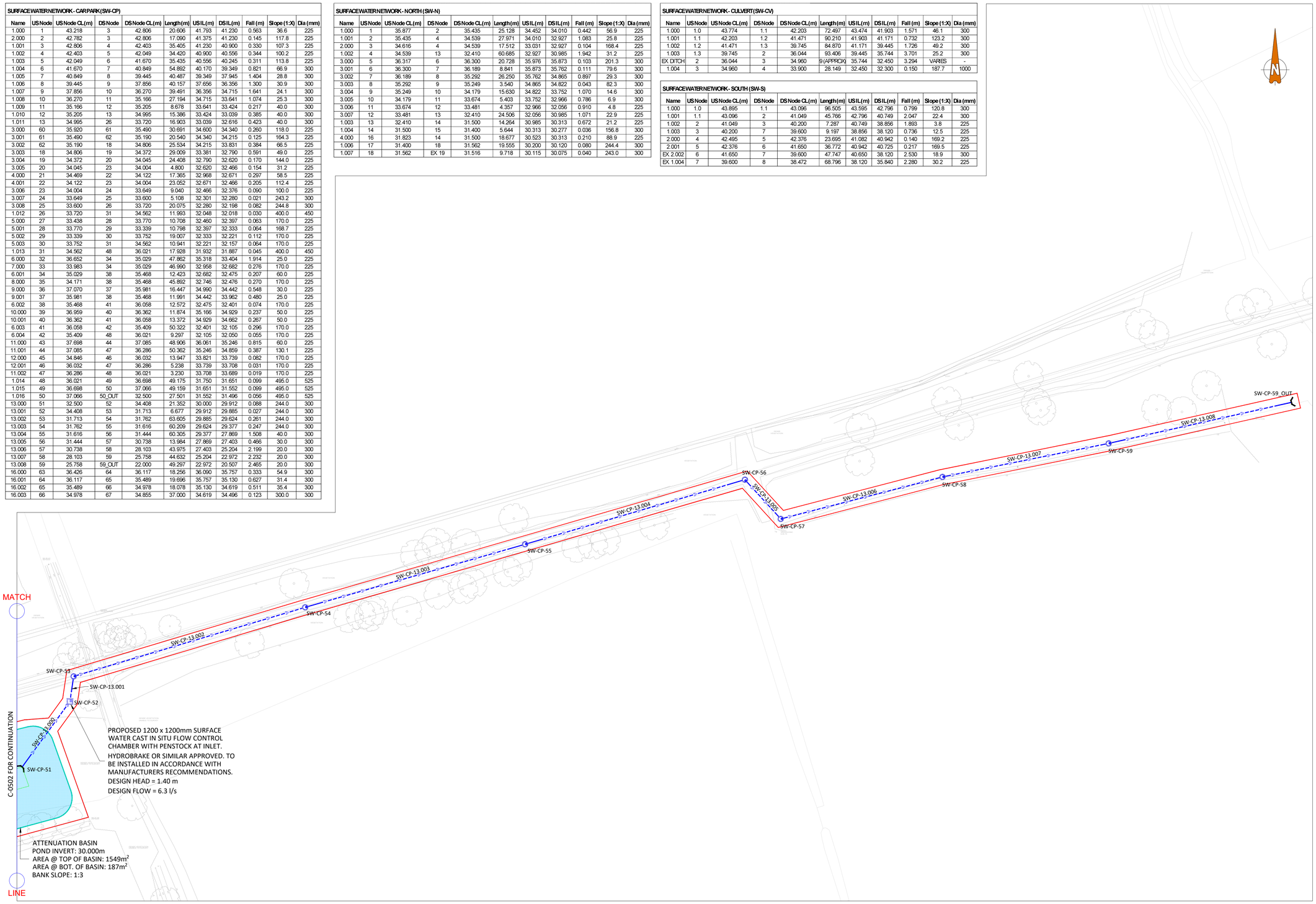
Name	US Node	US Node CL (m)	DS Node	DS Node CL (m)	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)
1.000	1	35.877	2	35.435	25.128	34.452	34.010	0.442	56.9	225
1.001	2	35.435	4	34.539	27.971	34.010	32.927	1.083	25.8	225
2.000	3	34.616	4	34.539	17.512	33.031	32.927	0.104	168.4	225
1.002	4	34.539	13	32.410	60.685	32.927	30.985	1.942	31.2	225
3.000	5	36.317	6	36.300	20.728	35.976	35.873	0.103	201.3	300
3.001	6	36.300	7	36.189	8.841	35.873	35.762	0.111	79.6	300
3.002	7	36.189	8	35.292	26.250	35.762	34.865	0.897	29.3	300
3.003	8	35.292	9	35.249	3.540	34.865	34.822	0.043	82.3	300
3.004	9	35.249	10	34.179	15.630	34.822	33.752	1.070	14.6	300
3.005	10	34.179	11	33.674	5.403	33.752	32.966	0.786	6.9	300
3.006	11	33.674	12	33.481	4.357	32.966	32.056	0.910	4.8	225
3.007	12	33.481	13	32.410	24.506	32.056	30.985	1.071	22.9	225
1.003	13	32.410	14	31.500	14.264	30.985	30.313	0.672	21.2	225
1.004	14	31.500	15	31.400	5.644	30.313	30.277	0.036	156.8	300
4.000	16	31.823	14	31.500	18.677	30.523	30.313	0.210	88.9	225
1.006	17	31.400	18	31.562	19.555	30.200	30.120	0.080	244.4	300
1.007	18	31.562	EX 19	31.516	9.718	30.115	30.075	0.040	243.0	300

SURFACE WATER NETWORK - CULVERT (SW-CV)

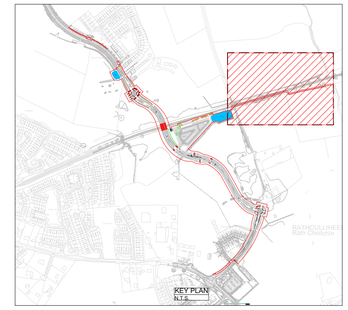
Name	US Node	US Node CL (m)	DS Node	DS Node CL (m)	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)
1.000	1.0	43.774	1.1	42.203	72.497	43.474	41.903	1.571	46.1	300
1.001	1.1	42.203	1.2	41.471	90.210	41.903	41.171	0.732	123.2	300
1.002	1.2	41.471	1.3	39.745	84.870	41.171	39.445	1.726	49.2	300
1.003	1.3	39.745	2	36.044	93.406	39.445	35.744	3.701	25.2	300
EX. DITCH	2	36.044	3	34.960	9 (APPROX)	35.744	32.450	3.294	VARIES	--
1.004	3	34.960	4	33.900	28.149	32.450	32.300	0.150	187.7	1000

SURFACE WATER NETWORK - SOUTH (SW-S)

Name	US Node	US Node CL (m)	DS Node	DS Node CL (m)	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)
1.000	1.0	43.895	1.1	43.096	96.505	43.595	42.796	0.799	120.8	300
1.001	1.1	43.096	2	41.049	45.766	42.796	40.749	2.047	22.4	300
1.002	2	41.049	3	40.200	7.287	40.749	38.856	1.893	3.8	225
1.003	3	40.200	7	39.600	9.197	38.856	38.120	0.736	12.5	225
2.000	4	42.495	5	42.376	23.695	41.082	40.942	0.140	169.2	225
2.001	5	42.376	6	41.650	36.772	40.942	40.725	0.217	169.5	225
EX. 2.002	6	41.650	7	39.600	47.747	40.650	38.120	2.530	18.9	300
EX. 1.004	7	39.600	8	38.472	68.796	38.120	35.840	2.280	30.2	225



PROPOSED DRAINAGE LAYOUT
SCALE 1:500



LEGEND:

- PROPOSED uPVC SURFACE WATER PIPE
- PROPOSED uPVC PERFORATED SURFACE WATER PIPE IN FILTER DRAIN
- PROPOSED SWALE
- SURFACE WATER DRAINAGE PRECAST CONCRETE MANHOLE
- SWALE NODE
- HEADWALL
- KLARGESTER CLASS I BYPASS NSB FUEL SEPARATOR
- ALTHON SWALE INLET HEADWALL - 225mm [OR SIMILAR APPROVED] [IN ACCORDANCE WITH MANUFACTURERS GUIDELINES & RECOMMENDATIONS]
- FILTER DRAIN
- PERVIOUS PAVING
- PROPOSED ATTENUATION POND
- EXISTING SURFACE WATER DRAINAGE
- EXISTING SURFACE WATER DRAINAGE MANHOLE
- uPVC SN8 WASTEWATER DRAINAGE OR SIMILAR APPROVED [IN ACCORDANCE WITH STD-WW-07/08]
- 100mmØ PRIVATE CONNECTION uPVC SN8 PIPE [IN ACCORDANCE WITH STD-WW-03]
- WASTEWATER RISING MAIN
- WASTEWATER DRAINAGE PRECAST CONCRETE MANHOLE [PER UISCE ÉIREANN STD-WW-10A]
- 600 x 600mm WASTEWATER INSPECTION CHAMBER [IN ACCORDANCE WITH STD-WW-13]
- PROPOSED VENT STACK [IN ACCORDANCE WITH STD-WW-34]
- EXISTING WASTEWATER DRAINAGE
- EXISTING WASTEWATER DRAINAGE MANHOLE

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Rev No.	Date	Revision Note	Drn by	Chkd by
P01	31.07.24	SUITABLE FOR INFORMATION	RC	KG
P02	12.09.24	ISSUED FOR PLANNING	MC	KG

Rev No.	Date	Revision Note	Drn by	Chkd by

Kilkenny County Council
Comhairle Chontae Chill Chainnigh

bsi ISO 9001 Design and construction VERIFIED

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Client: KILKENNY COUNTY COUNCIL
Project: SOUTH-NORTH ACCESS ROAD, FERRYBANK

Title: PROPOSED DRAINAGE LAYOUT PLAN SHEET 4 OF 4

Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
W383	OCSC	XX	XX	DR	C	0504	S4	P01

Date: SEPT'24 Scale @ A1: 1:500 Drn by: RC Chkd by: KG Aprvd by: AH