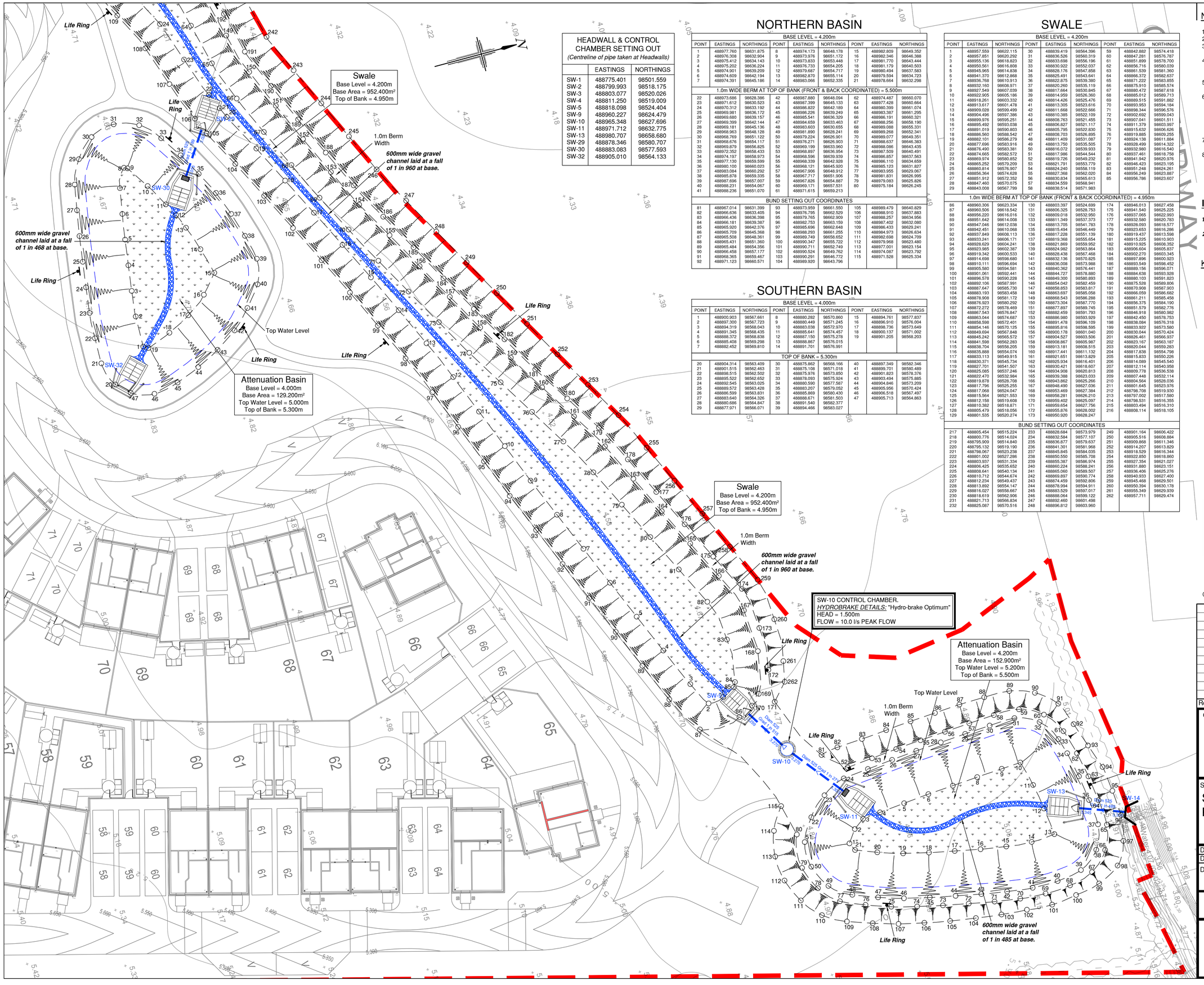


HEADWALL & CONTROL CHAMBER SETTING OUT

(Centreline of pipe taken at Headwalls)

	EASTINGS	NORTHINGS
SW-1	488775.401	98501.559
SW-2	488799.993	98518.175
SW-3	488803.077	98520.026
SW-4	488811.250	98519.009
SW-5	488818.098	98524.404
SW-9	488960.227	98624.479
SW-10	488965.348	98627.696
SW-11	488971.712	98632.775
SW-13	488980.707	98658.680
SW-29	488878.346	98580.707
SW-30	488883.083	98577.593
SW-32	488905.010	98564.133

NORTHERN BASIN

BASE LEVEL = 4.200m

POINT	EASTINGS	NORTHINGS	POINT	EASTINGS	NORTHINGS	POINT	EASTINGS	NORTHINGS
1	488977.760	98631.875	8	488974.173	98648.178	15	488982.809	98649.352
2	488976.308	98632.904	9	488973.976	98651.172	16	488982.346	98648.388
3	488975.412	98634.143	10	488973.833	98653.448	17	488981.770	98643.444
4	488975.202	98636.224	11	488976.733	98654.205	18	488981.179	98640.503
5	488974.901	98639.293	12	488979.687	98654.717	19	488980.494	98637.583
6	488974.609	98642.194	13	488982.870	98655.114	20	488979.594	98634.723
7	488974.391	98645.186	14	488983.066	98652.335	21	488978.664	98632.298

1.0m WIDE BERM AT TOP OF BANK (FRONT & BACK COORDINATED) = 5.500m

22	488973.686	98628.386	42	488987.880	98648.094	62	488974.487	98660.070
23	488971.612	98630.823	43	488987.395	98645.133	63	488977.428	98660.664
24	488970.312	98633.192	44	488986.822	98642.189	64	488980.399	98661.074
25	488969.867	98636.049	45	488986.226	98639.249	65	488983.301	98661.295
26	488969.680	98639.157	46	488985.541	98636.329	66	488986.191	98660.321
27	488969.399	98642.144	47	488984.659	98633.463	67	488988.258	98658.190
28	488969.181	98645.136	48	488983.603	98630.655	68	488988.088	98655.331
29	488968.963	98648.128	49	488981.890	98628.241	69	488989.268	98652.341
30	488968.769	98651.122	50	488979.224	98626.901	70	488989.077	98649.351
31	488968.676	98654.117	51	488976.271	98626.903	71	488988.637	98646.383
32	488969.879	98656.825	52	488969.199	98633.960	72	488988.086	98643.435
33	488972.352	98658.633	53	488968.897	98636.954	73	488987.509	98640.491
34	488974.197	98658.973	54	488968.596	98639.939	74	488986.857	98637.563
35	488977.130	98659.599	55	488968.339	98642.928	75	488986.110	98634.659
36	488980.100	98660.023	56	488968.121	98645.920	76	488985.123	98631.827
37	488983.084	98660.292	57	488967.906	98648.912	77	488983.955	98629.067
38	488985.878	98659.335	58	488967.717	98651.906	78	488981.831	98626.995
39	488987.826	98657.007	59	488967.826	98654.887	79	488979.083	98625.826
40	488988.231	98654.067	60	488969.171	98657.531	80	488975.184	98626.245
41	488988.236	98651.070	61	488971.615	98659.213			

BUND SETTING OUT COORDINATES

81	488967.014	98631.399	93	488973.959	98661.550	105	488989.470	98640.829
82	488966.639	98633.400	94	488976.795	98662.529	106	488988.910	98637.883
83	488966.436	98636.398	95	488979.765	98662.909	107	488988.257	98634.956
84	488966.181	98639.387	96	488982.753	98663.159	108	488987.402	98632.080
85	488965.920	98642.376	97	488985.696	98662.648	109	488986.433	98629.241
86	488965.709	98645.368	98	488988.293	98661.255	110	488984.973	98626.634
87	488965.509	98648.361	99	488989.749	98658.652	111	488982.698	98624.709
88	488965.431	98651.360	100	488990.347	98655.722	112	488979.968	98623.480
89	488965.484	98654.356	101	488990.711	98652.762	113	488977.001	98623.154
90	488966.458	98656.777	102	488990.524	98649.792	114	488974.458	98623.792
91	488968.365	98659.467	103	488990.291	98646.772	115	488971.528	98625.334
92	488971.123	98660.571	104	488989.920	98643.796			

SOUTHERN BASIN

BASE LEVEL = 4.000m

POINT	EASTINGS	NORTHINGS	POINT	EASTINGS	NORTHINGS	POINT	EASTINGS	NORTHINGS
1	488900.903	98567.661	8	488880.282	98570.360	15	488894.761	98579.837
2	488897.300	98567.723	9	488880.449	98571.245	16	488896.910	98576.004
3	488894.319	98568.043	10	488883.038	98572.970	17	488898.736	98573.649
4	488891.435	98568.435	11	488885.641	98574.457	18	488900.137	98571.002
5	488888.372	98568.838	12	488887.150	98575.278	19	488901.205	98568.203
6	488885.408	98569.298	13	488888.867	98576.015			
7	488882.452	98569.810	14	488890.641	98576.991			

TOP OF BANK = 5.300m

20	488904.314	98563.409	30	488875.862	98568.166	40	488897.349	98582.346
21	488901.515	98562.463	31	488875.108	98571.018	41	488899.701	98580.489
22	488898.515	98562.502	32	488875.976	98573.850	42	488901.823	98578.376
23	488895.522	98562.652	33	488878.093	98575.924	43	488903.494	98575.885
24	488892.545	98563.025	34	488880.590	98577.587	44	488904.846	98573.209
25	488889.572	98563.428	35	488883.207	98579.052	45	488905.956	98570.424
26	488886.599	98563.831	36	488885.869	98580.430	46	488906.518	98567.497
27	488883.640	98564.326	37	488888.671	98581.503	47	488905.713	98564.863
28	488880.686	98564.847	38	488891.540	98582.377			
29	488877.971	98566.071	39	488894.466	98583.027			

SWALE

BASE LEVEL = 4.200m

POINT	EASTINGS	NORTHINGS	POINT	EASTINGS	NORTHINGS	POINT	EASTINGS	NORTHINGS
1	488957.559	98622.115	30	488839.419	98564.396	59	488842.882	98574.418
2	488957.851	98620.292	31	488836.526	98560.319	60	488847.281	98576.797
3	488955.136	98618.823	32	488833.698	98556.196	61	488851.899	98578.700
4	488950.561	98616.808	33	488830.922	98552.037	62	488856.716	98580.039
5	488945.963	98614.838	34	488828.176	98547.858	63	488861.539	98581.360
6	488941.370	98612.868	35	488825.491	98543.641	64	488866.372	98582.637
7	488936.760	98610.913	36	488822.875	98539.380	65	488871.222	98583.855
8	488932.160	98608.971	37	488820.260	98535.119	66	488875.910	98585.574
9	488927.549	98607.039	38	488817.664	98530.845	67	488880.472	98587.618
10	488922.900	98605.186	39	488814.959	98526.360	68	488885.012	98589.713
11	488918.261	98603.332	40	488814.426	98525.476	69	488889.515	98591.882
12	488913.611	98601.478	41	488813.305	98523.616	70	488893.953	98594.194
13	488909.028	98599.499	42	488811.658	98522.566	71	488899.344	98596.576
14	488904.496	98597.386	43	488810.385	98522.109	72	488902.692	98599.043
15	488899.580	98595.251	44	488808.763	98521.455	73	488907.041	98601.511
16	488895.492	98593.038	45	488806.827	98521.117	74	488911.379	98603.997
17	488891.019	98590.803	46	488805.795	98522.830	75	488915.632	98606.626
18	488886.590	98588.542	47	488808.703	98526.895	76	488919.885	98609.255
19	488882.101	98586.279	48	488811.409	98531.087	77	488924.138	98611.884
20	488877.696	98583.916	49	488813.750	98535.505	78	488928.490	98614.322
21	488876.490	98583.381	50	488816.072	98539.933	79	488932.980	98616.540
22	488874.665	98582.572	51	488817.986	98544.544	80	488937.461	98618.758
23	488869.974	98580.852	52	488819.726	98549.232	81	488941.942	98620.976
24	488865.252	98579.209	53	488821.791	98553.779	82	488946.423	98623.195
25	488860.814	98576.907	54	488824.240	98558.119	83	488951.248	98624.261
26	488856.364	98574.628	55	488827.368	98562.020	84	488956.249	98623.897
27	488851.912	98572.352	56	488830.834	98565.613	85	488956.786	98623.607
28	488847.460	98570.075	57	488834.559	98568.941			
29	488843.008	98567.799	58	488838.514	98571.983			

1.0m WIDE BERM AT TOP OF BANK (FRONT & BACK COORDINATED) = 4.950m

86	488960.306	98623.334	130	488803.397	98524.699	174	488946.013	98627.458
87	488960.506	98618.542	131	488806.325	98528.753	175	488941.540	98625.225
88	488956.220	98616.016	132	488809.015	98532.950	176	488937.066	98622.993
89	488951.642	98614.008	133	488811.349	98537.373	177	488932.580	98620.783
90	488947.046	98612.038	134	488813.705	98541.783	178	488928.093	98618.577
91	488942.451	98610.068	135	488815.494	98546.449	179	488923.653	98616.286
92	488937.849	98608.113	136	488817.228	98551.139	180	488919.437	98613.598
93	488933.241	98606.171	137	488819.368	98555.654	181	488915.225	98610.903
94	488928.629	98604.241	138	488821.869	98559.952	182	488910.925	98608.352
95	488923.985	98602.387	139	488824.982	98563.864	183	488906.664	98605.837
96	488919.342	98600.533	140	488828.438	98567.468	184	488902.403	98603.345
97	488914.698	98598.680	141	488832.136	98570.825	185	488897.896	98600.923
98	488910.111	98596.694	142	488836.008	98573.988	186	488893.549	98598.452
99	488905.580	98594.581	143	488840.362	98576.441	187	488889.156	98596.071
100	488901.061	98592.441	144	488844.727	98578.880	188	488884.638	98593.928
101	488896.578	98590.228	145	488840.300	98580.893	189	488880.103	98591.823
102	488892.106	98587.991	146	488854.042	98582.459	190	488875.526	98589.806
103	488887.647	98585.730	147	488858.853	98583.817	191	488870.998	98587.903
104	488883.193	98583.458	148	488863.667	98585.058	192	488866.059	98586.682
105	488878.908	98581.172	149	488868.543	98586.288	193	488861.211	98585.458
106	488876.923	98580.292	150	488873.394	98587.770	194	488856.375	98584.190
107	488872.272	98578.469	151	488877.897	98589.745	195	488851.579	98582.776
108	488867.543	98576.847	152	488882.459	98591.793	196	488846.918	98580.982
109	488863.044	98574.687	153	488886.980	98593.929	197	488842.450	98578.753
110	488858.598	98572.401	154	488891.478	98596.109	198	488838.094	98576.318
111	488854.146	98570.125	155	488895.816	98598.595	199	488833.922	98573.580
112	488849.694	98567.848	156	488900.178	98601.040	200	488830.044	98570.424
113	488845.242	98565.572	157	488904.527	98603.506	201	488826.461	98566.937
114	488841.598	98562.283	158	488908.867	98605.987	202	488823.167	98563.187
115	488838.704	98558.205	159	488913.181	98608.515	203	488820.044	98559.283
116	488835.888	98554.074	160	488917.441	98611.132	204	488817.838	98554.798
117	488833.113	98549.915	161	488921.651	98613.829	205	488815.833	98550.256
118	488830.371	98545.734	162	488925.934	98616.401	206	488814.089	98545.540
119	488827.701	98541.507	163	488930.421	98618.607	207	488812.114	98540.958
120	488825.083	98537.246	164	488934.908	98620.813	208	488809.778	98536.538
121	488822.470	98532.984	165	488939.388	98623.033	209	488807.448	98532.114
122	488819.878	98528.708	166	488943.862	98625.266	210	488804.564	98528.036
123	488817.796	98525.255	167	488948.490	98627.036	211	488801.645	98523.976
124	488817.068	98524.047	168	488953.469	98627.384	212	488798.708	98519.930
125	488815.564	98521.553	169	488959.281	98626.903	213	488797.002	98517.580
126	488812.158	98519.608	170	488959.402	98625.097	214	488798.531	98516.355
127	488810.382	98518.871	171	488959.654	98627.756	215	488803.494	98516.310
128	488805.479	98518.056	172	488955.876	98628.002	216	488808.114	98518.105
129	488801.535	98520.274	173	488950.920	98628.247			

BUND SETTING OUT COORDINATES

217	488805.454	98515.224	233	488828.684	98573.979	249	488901.164	98606.422
218	488800.776	98514.024	234	488832.584	98577.107	250	488905.516	98608.884
219	488795.909	98514.840	235	488836.877	98579.637	251	488909.868	98611.346
220	488795.132	98519.190	236	488841.301	98581.968	252	488914.207	98613.829
221	488798.067	98523.238	237	488845.845	98584.035	253	488918.529	98616.344
222	488801.002	98527.286	238	488850.550	98585.706	254	488922.850	98618.860
223	488803.937	98531.334	239	488855.387	98586.974	255	488927.354	98621.027
224	488806.425	98535.652	240	488860.224	98588.241	256	488931.880	98623.151
225	488808.641	98540.134	241	488865.060	98589.507	257	488936.406	98625.276
226	488810.712	98544.674	242	488869.897	98590.774	258	488940.933	98627.400
227	488812.234	98549.437	243	488874.459	98592.806	259	488945.468	98629.501
228	488813.892	98554.147	244	488878.994	98594.911	260	488950.394	98630.178
229	488816.027	98558.667	245	488883.529	98597.017	261	488955.349	98629.939
230	488816.619	98562.906	246	488888.064	98599.122	262	488957.711	98629.474
231	488821.713	98566.834	247	488892.460	98601.498			
232	488825.087	98570.516	248	488896.812	98603.960			

NOTES

1. All dimensions are in metres unless stated otherwise.
2. Do not scale from this drawing. Only written dimensions are to be used.
3. This drawing should be read in conjunction with the Architect's and Structural Engineer's design drawings and specification.
4. Whilst all Surface Water Sewers are to remain private, all construction to be in accordance with Sewers for Adoption - 6th Edition & Interim Addendum and the specific requirements of Southern Water.
5. Site layout based on Kenn Scaddan Associates Ltd Site Plan issued to RCP in .dwg format on 04/02/2020.
6. Topographic Survey as per Siteline Level Survey, drawing number 657PG01 dated July 2012. Additional Topographic Survey as per ADA Solutions Ltd Topographical Survey, drawing number 0614-HP2-T1 dated June 2014. Ditch survey based on Siteline Ditch Level Survey, drawing number 657PG05 dated January 2019. Refer to these surveys for survey station coordinates and levels.
7. Architects blocks based on Kenn Scaddan Associates Ltd Substructures issued to RCP in .dwg format on 11/02/2020.
8. This drawing should be read in conjunction with other SuDS Features Setting Out Layouts, SuDS Features General Arrangement Layouts (DSM/E4761/431 & 432), SuDS Features Headwall Construction Details (DSM/E4761/433 & 434) and SuDS Features Control Chamber Construction Details (DSM/E4761/435).

IMPORTANT SETTING OUT NOTES:

1. ***THESE CO-ORDINATES ARE GIVEN TO ENABLE THE SuDS FEATURES AND HEADWALLS TO BE ACCURATELY LOCATED WITHIN THE SITE.***
2. ***ANY VARIANCE OR DISCREPANCY MUST BE REPORTED BACK TO RCP ENGINEERING BEFORE WORK BEGINS.***

KEY

Site Boundary
(Based on Kenn Scaddan Associates Ltd Site Plan issued to RCP in .dwg format on 04/02/2020)

Private Surface Water Sewers
(Outer diameter of chamber & concrete surround shown)

Brickwork Headwalls
(Refer to drawing numbers DSM/E4761/433 & 434 for details)

Concrete Bagwork Headwall
(Refer to drawing number DSM/E4761/434 for details)

Gravel channels to be filled with 40/60 "No Fines" angular stone.

1 in 4 embankments to all SuDS Features and tie-in earthworks.

CDM NOTES

1. EXISTING SERVICES: Depth of existing services must be determined prior to works commencing. The contractor is responsible for establishing underground services in accordance with HSE Guidance note HS (G) 47. Any services which would be within the proposed construction layers must be lowered to below the sub-base.

SCALE BAR 1:200 at A1

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Rev.	Date	Details	By	Chkd	Appd

Client:- DREW SMITH LIMITED

Site:- SUMMER LANE PAGHAM

Drawing Title:- SuDS FEATURES SETTING OUT LAYOUT

SHEET 2 OF 2

Date:	March 2020	Scales:	1:200 at A1
Drawn:	AC	Checked:	LD
Approved:	TRS		

Drawing No. DSM/E4761/437

INITIAL TENDER ISSUE

SUBJECT TO PLANNING APPROVAL

Rogers Cory Partnership
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ARUN DISTRICT COUNCIL P/37/20/DOC