

21st November 2018

Andrew Preston
Greenslade Taylor Hunt

Our Ref: RMA/LC1739 – Grange Farm, Cannington – FRA addendum

Dear Andrew,

RE: OUTLINE APPLICATION FOR A PROPOSED RESIDENTIAL DEVELOPMENT ON LAND AT GRANGE FARM IN CANNINGTON, NEAR BRIDGWATER, SOMERSET, TA5 2LA – FRA ADDENDUM

RMA Environmental have previously prepared a Flood Risk Assessment (dated 18th September 2018) to support an outline planning application for a proposed residential development of 73 dwellings with accompanying gardens, parking, access and Local Equipped Area for Play (LEAP) on land at Grange Farm in Cannington, near Bridgwater, Somerset.

At the time of writing the FRA, the in-channel flood levels for the flood relief channel adjacent to the site were unavailable and, therefore, the Finished Floor Levels (FFLs) were proposed to be determined once these levels were available.

The purpose of this addendum is to assess the flood risk from the flood relief channel adjacent to the site and determine the FFLs for the development using the in-channel flood levels and flows.

In-Channel Flood Levels and Flows

The model output data from the Cannington FAS Model (2017) and the in-channel flood nodes map are included in Appendix A. The maximum in-channel flood levels and flows for the nodes adjacent to the site are included in Table 1.

Table 1: Modelled In-channel Flood Levels and Flows

In-channel Nodes	Maximum Flood Level (mAOD)	Maximum Flow (m ³ /s)
1% AEP Event		
DFRC_0753d	8.82	20.44
DFRC_0676d	8.53	20.60
DFRC_0656	8.47	20.60
DFRC_0622	8.39	20.60
DFRC_0573	8.28	20.60
DFRC_0520	8.17	20.59
DFRC_0468	8.07	20.59

In-channel Nodes	Maximum Flood Level (mAOD)	Maximum Flow (m ³ /s)
0.1% AEP Event		
DFRC_0753d	9.29	35.23
DFRC_0676d	8.98	37.87
DFRC_0656	8.93	37.87
DFRC_0622	8.84	37.89
DFRC_0573	8.72	37.85
DFRC_0520	8.59	37.87
DFRC_0468	8.47	37.87

The flood levels and flows for the 1% AEP event plus 30% climate change (CC) have not been provided by the EA. The 0.1% AEP flows are greater than the 1% AEP flows plus 30% and, therefore, the 0.1% AEP flows and flood levels will be used as a conservative proxy for the 1% AEP event plus 30% CC.

The 0.1% AEP flood levels indicate that the site would remain free from flooding from all of the data points when compared to the topographical survey (refer to Appendix B). For instance, the minimum existing ground level in the vicinity of the proposed dwellings is 8.75 mAOD which is located approximately 0.28 m above the 0.1% AEP flood level of 8.47 mAOD (node DFRC_0468).

It is recommended that the FFLs should be a minimum of 600 mm above the design flood level. FFLs would be set in relation to the nearest upstream node for each dwelling, given the hydraulic gradient along the watercourse.

Summary

This FRA addendum has concluded that the proposed dwellings are located above the 0.1% AEP flood levels. I trust that the information supplied in this letter is sufficient to provide additional information about the potential flood risk to the site and the FFLs for the proposed dwellings; however, should you have any further questions or comments, please do not hesitate to contact me.

Yours sincerely

Nick Yeo
Environmental Consultant

Appendices: EA Flood Data
Topographical Survey

Appendix A: EA Flood Data

Node location map centred on ST 26200 39015 - created 03/10/2018 [Ref: 96503-WX]



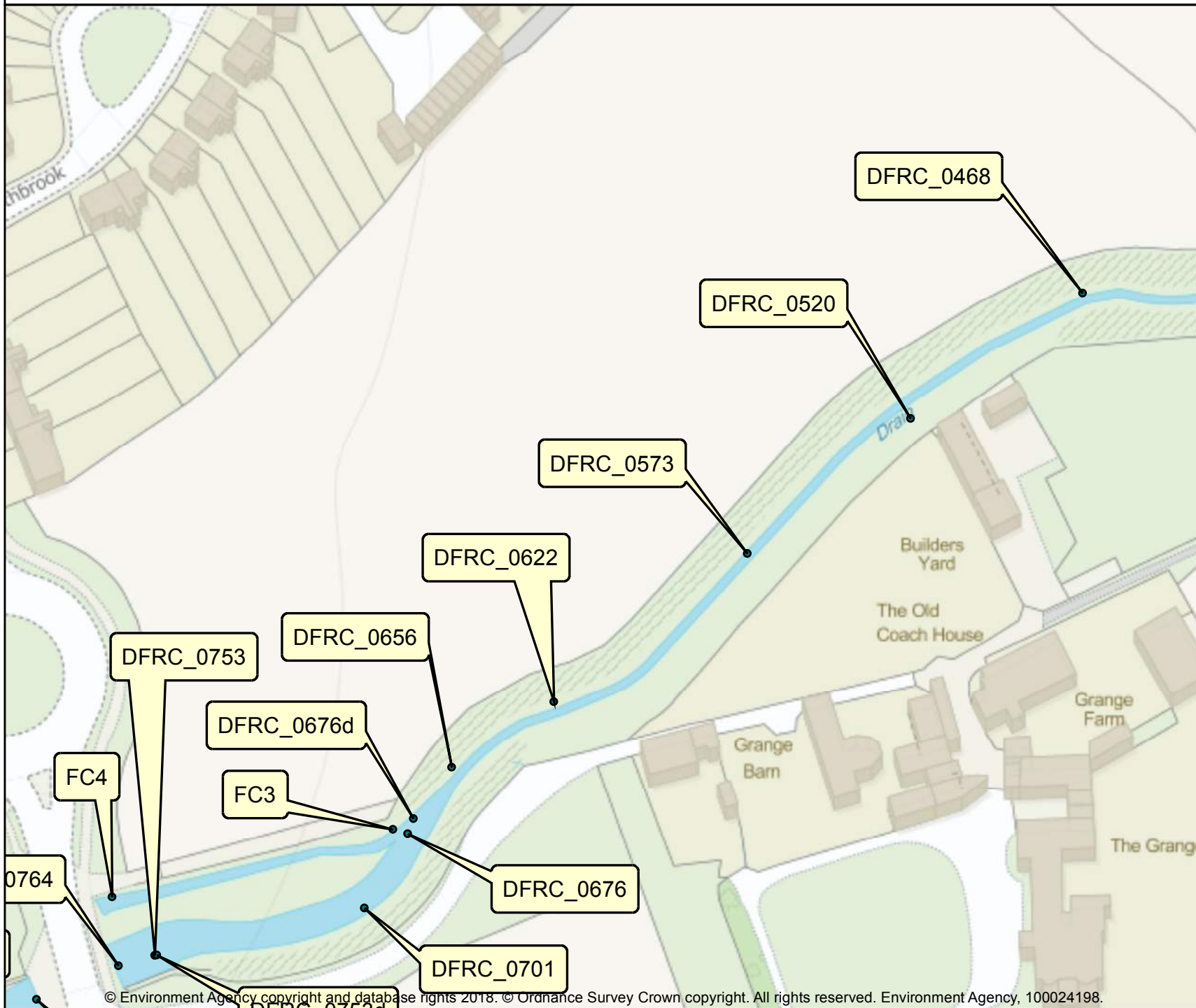
Scale at A4: 1:1,250

0 12.5 25 50
Meters



Legend

- Cannington_Nodes_Scheme



Output - D:\CANNINGTON\ISISTUFLOW\TUFLOW\ISIS\RESULTS\SCHEME\1T100D4_25CANN.ZZN

Selected output data from time (hr): 0

to time (hr): 15

Stage

Time (hr)	DFRC_0468	DFRC_0520	DFRC_0573	DFRC_0622	DFRC_0656	DFRC_0676d
0	6.494	6.633	6.773	6.902	7.006	7.074
0.083	6.494	6.633	6.773	6.902	7.006	7.074
0.167	6.494	6.633	6.773	6.903	7.006	7.074
0.25	6.494	6.633	6.773	6.903	7.006	7.074
0.333	6.494	6.633	6.773	6.903	7.007	7.074
0.417	6.494	6.633	6.773	6.903	7.007	7.074
0.5	6.493	6.633	6.773	6.903	7.007	7.074
0.583	6.493	6.633	6.773	6.903	7.007	7.074
0.667	6.493	6.633	6.773	6.903	7.007	7.074
0.75	6.492	6.633	6.773	6.903	7.007	7.075
0.833	6.492	6.633	6.773	6.903	7.007	7.074
0.917	6.491	6.633	6.773	6.903	7.007	7.074
1	6.49	6.633	6.773	6.903	7.007	7.074
1.083	6.489	6.633	6.773	6.903	7.007	7.074
1.167	6.489	6.633	6.773	6.903	7.007	7.074
1.25	6.488	6.633	6.773	6.903	7.007	7.075
1.333	6.487	6.633	6.773	6.903	7.007	7.074
1.417	6.486	6.633	6.773	6.903	7.007	7.074
1.5	6.485	6.633	6.773	6.903	7.007	7.074
1.583	6.484	6.633	6.773	6.903	7.007	7.074
1.667	6.482	6.633	6.773	6.903	7.006	7.074
1.75	6.481	6.632	6.772	6.902	7.006	7.073
1.833	6.479	6.631	6.771	6.901	7.005	7.073
1.917	6.478	6.632	6.772	6.903	7.008	7.075
2	6.48	6.635	6.776	6.907	7.012	7.081
2.083	6.485	6.642	6.784	6.916	7.022	7.091
2.167	6.495	6.653	6.796	6.929	7.035	7.104
2.25	6.507	6.664	6.806	6.938	7.043	7.111
2.333	6.515	6.669	6.811	6.942	7.046	7.113
2.417	6.519	6.672	6.813	6.945	7.049	7.116
2.5	6.523	6.675	6.818	6.952	7.056	7.123
2.583	6.53	6.684	6.829	6.965	7.068	7.135
2.667	6.541	6.693	6.838	6.972	7.073	7.139
2.75	6.544	6.698	6.857	7.016	7.147	7.239
2.833	6.808	7.014	7.197	7.416	7.588	7.685
2.917	7.066	7.293	7.466	7.625	7.738	7.811
3	7.242	7.41	7.569	7.712	7.818	7.888
3.083	7.331	7.485	7.638	7.777	7.879	7.948
3.167	7.391	7.545	7.696	7.833	7.934	8.002
3.25	7.449	7.599	7.749	7.885	7.985	8.052
3.333	7.51	7.652	7.8	7.934	8.033	8.1
3.417	7.576	7.709	7.851	7.982	8.08	8.146
3.5	7.642	7.764	7.9	8.029	8.124	8.189
3.583	7.703	7.817	7.947	8.071	8.165	8.229

3.667	7.761	7.867	7.991	8.112	8.203	8.266
3.75	7.814	7.914	8.032	8.149	8.238	8.299
3.833	7.862	7.957	8.07	8.183	8.269	8.329
3.917	7.898	7.992	8.103	8.214	8.299	8.358
4	7.927	8.021	8.132	8.243	8.327	8.386
4.083	7.953	8.048	8.16	8.27	8.355	8.413
4.167	7.978	8.074	8.187	8.297	8.381	8.439
4.25	7.999	8.096	8.209	8.319	8.402	8.46
4.333	8.017	8.115	8.229	8.339	8.422	8.48
4.417	8.035	8.134	8.248	8.359	8.442	8.5
4.5	8.05	8.149	8.263	8.374	8.457	8.515
4.583	8.059	8.158	8.273	8.383	8.465	8.523
4.667	8.064	8.163	8.277	8.387	8.469	8.527
4.75	8.066	8.166	8.279	8.389	8.471	8.529
4.833	8.066	8.165	8.278	8.387	8.469	8.526
4.917	8.063	8.161	8.274	8.383	8.465	8.522
5	8.058	8.156	8.268	8.377	8.458	8.515
5.083	8.052	8.149	8.26	8.368	8.449	8.506
5.167	8.044	8.139	8.25	8.357	8.437	8.494
5.25	8.034	8.128	8.238	8.344	8.425	8.481
5.333	8.023	8.116	8.225	8.331	8.411	8.467
5.417	8.011	8.103	8.21	8.315	8.395	8.451
5.5	7.997	8.088	8.194	8.299	8.378	8.434
5.583	7.982	8.072	8.177	8.28	8.359	8.415
5.667	7.966	8.053	8.157	8.26	8.339	8.395
5.75	7.949	8.034	8.137	8.239	8.318	8.373
5.833	7.931	8.015	8.116	8.218	8.296	8.351
5.917	7.913	7.995	8.094	8.195	8.273	8.328
6	7.894	7.975	8.072	8.172	8.249	8.305
6.083	7.875	7.953	8.048	8.147	8.225	8.279
6.167	7.854	7.93	8.024	8.121	8.198	8.253
6.25	7.833	7.906	7.998	8.095	8.171	8.226
6.333	7.811	7.882	7.971	8.066	8.143	8.197
6.417	7.789	7.856	7.944	8.037	8.113	8.167
6.5	7.765	7.83	7.914	8.007	8.082	8.136
6.583	7.74	7.802	7.884	7.975	8.049	8.103
6.667	7.714	7.773	7.852	7.941	8.015	8.069
6.75	7.688	7.743	7.818	7.906	7.979	8.032
6.833	7.661	7.713	7.785	7.87	7.943	7.997
6.917	7.634	7.681	7.75	7.833	7.906	7.959
7	7.605	7.649	7.714	7.795	7.867	7.919
7.083	7.575	7.615	7.676	7.753	7.825	7.877
7.167	7.542	7.577	7.633	7.708	7.778	7.831
7.25	7.506	7.537	7.587	7.659	7.728	7.78
7.333	7.466	7.492	7.539	7.606	7.676	7.729
7.417	7.425	7.447	7.488	7.553	7.623	7.675
7.5	7.381	7.4	7.437	7.499	7.572	7.627
7.583	7.341	7.357	7.392	7.456	7.521	7.569
7.667	7.303	7.318	7.353	7.416	7.47	7.508
7.75	7.268	7.281	7.316	7.367	7.406	7.437

7.833	7.231	7.245	7.273	7.31	7.347	7.378
7.917	7.192	7.205	7.228	7.26	7.294	7.322
8	7.155	7.169	7.19	7.22	7.253	7.282
8.083	7.118	7.131	7.151	7.18	7.216	7.246
8.167	7.082	7.094	7.114	7.145	7.183	7.216
8.25	7.045	7.058	7.078	7.111	7.152	7.188
8.333	7.004	7.017	7.038	7.075	7.121	7.161
8.417	6.965	6.978	7.002	7.043	7.095	7.14
8.5	6.928	6.943	6.97	7.017	7.077	7.127
8.583	6.891	6.907	6.939	6.996	7.065	7.119
8.667	6.86	6.878	6.914	6.978	7.055	7.112
8.75	6.83	6.85	6.891	6.964	7.046	7.106
8.833	6.803	6.825	6.872	6.951	7.038	7.099
8.917	6.777	6.801	6.854	6.94	7.029	7.093
9	6.753	6.779	6.838	6.93	7.022	7.086
9.083	6.731	6.76	6.823	6.92	7.014	7.079
9.167	6.713	6.745	6.812	6.913	7.01	7.076
9.25	6.697	6.732	6.804	6.909	7.009	7.075
9.333	6.684	6.721	6.798	6.908	7.008	7.075
9.417	6.673	6.713	6.794	6.907	7.008	7.075
9.5	6.664	6.706	6.792	6.906	7.008	7.075
9.583	6.657	6.701	6.79	6.906	7.009	7.076
9.667	6.65	6.697	6.788	6.906	7.009	7.076
9.75	6.644	6.693	6.786	6.906	7.009	7.076
9.833	6.637	6.689	6.785	6.906	7.009	7.076
9.917	6.631	6.685	6.784	6.906	7.009	7.076
10	6.625	6.681	6.783	6.905	7.009	7.076
10.083	6.619	6.678	6.782	6.905	7.009	7.076
10.167	6.614	6.675	6.781	6.905	7.008	7.076
10.25	6.608	6.672	6.78	6.905	7.008	7.076
10.333	6.603	6.669	6.779	6.905	7.008	7.076
10.417	6.598	6.667	6.779	6.905	7.008	7.076
10.5	6.593	6.664	6.778	6.905	7.008	7.076
10.583	6.588	6.662	6.778	6.904	7.008	7.075
10.667	6.584	6.66	6.777	6.904	7.008	7.075
10.75	6.58	6.658	6.777	6.904	7.008	7.076
10.833	6.575	6.656	6.777	6.904	7.008	7.075
10.917	6.57	6.654	6.777	6.904	7.008	7.075
11	6.565	6.652	6.777	6.904	7.008	7.075
11.083	6.561	6.65	6.776	6.904	7.008	7.075
11.167	6.556	6.648	6.776	6.904	7.008	7.075
11.25	6.552	6.646	6.776	6.904	7.008	7.075
11.333	6.547	6.645	6.775	6.904	7.008	7.075
11.417	6.543	6.643	6.775	6.904	7.008	7.075
11.5	6.537	6.642	6.775	6.904	7.008	7.075
11.583	6.533	6.64	6.775	6.904	7.007	7.075
11.667	6.529	6.639	6.774	6.904	7.007	7.075
11.75	6.526	6.639	6.774	6.904	7.007	7.075
11.833	6.523	6.638	6.774	6.904	7.007	7.075
11.917	6.519	6.637	6.774	6.904	7.007	7.075

12	6.516	6.637	6.774	6.904	7.007	7.075
12.083	6.513	6.636	6.774	6.903	7.007	7.075
12.167	6.51	6.636	6.774	6.903	7.007	7.075
12.25	6.507	6.636	6.774	6.903	7.007	7.075
12.333	6.504	6.635	6.774	6.903	7.007	7.075
12.417	6.501	6.635	6.774	6.903	7.007	7.075
12.5	6.498	6.634	6.774	6.903	7.007	7.075
12.583	6.496	6.634	6.774	6.903	7.007	7.075
12.667	6.494	6.634	6.774	6.903	7.007	7.075
12.75	6.492	6.633	6.774	6.903	7.007	7.075
12.833	6.489	6.633	6.774	6.903	7.007	7.075
12.917	6.488	6.633	6.774	6.903	7.007	7.075
13	6.486	6.633	6.774	6.903	7.007	7.075
13.083	6.485	6.633	6.774	6.903	7.007	7.075
13.167	6.484	6.633	6.774	6.903	7.007	7.075
13.25	6.483	6.633	6.774	6.903	7.007	7.075
13.333	6.483	6.633	6.773	6.903	7.007	7.075
13.417	6.482	6.633	6.773	6.903	7.007	7.075
13.5	6.482	6.633	6.773	6.903	7.007	7.075
13.583	6.483	6.633	6.773	6.903	7.007	7.075
13.667	6.483	6.633	6.773	6.903	7.007	7.075
13.75	6.484	6.633	6.773	6.903	7.007	7.075
13.833	6.484	6.633	6.774	6.903	7.007	7.075
13.917	6.485	6.633	6.773	6.903	7.007	7.075
14	6.486	6.633	6.774	6.903	7.007	7.075
14.083	6.488	6.633	6.773	6.903	7.007	7.075
14.167	6.489	6.633	6.774	6.903	7.007	7.075
14.25	6.49	6.633	6.774	6.903	7.007	7.075
14.333	6.491	6.633	6.774	6.903	7.007	7.075
14.417	6.492	6.633	6.773	6.903	7.007	7.075
14.5	6.493	6.633	6.773	6.903	7.007	7.075
14.583	6.494	6.633	6.774	6.903	7.007	7.075
14.667	6.495	6.633	6.773	6.903	7.007	7.075
14.75	6.495	6.633	6.774	6.903	7.007	7.075
14.833	6.495	6.633	6.774	6.903	7.007	7.075
14.917	6.495	6.634	6.774	6.903	7.007	7.075
15	6.495	6.634	6.774	6.903	7.007	7.075
MAX	8.066	8.166	8.279	8.389	8.471	8.529

Output- D:\CANNINGTON\ISISTUFLOW\TUFLOW\ISIS\RESULTS\SCHEME\1T100D4_25CANN.ZZN

Selected output data from time (hr): 0

to time (hr): 15

Flow

Time (hr)	DFRC_0468	DFRC_0520	DFRC_0573	DFRC_0622	DFRC_0656	DFRC_0676d
0	0.242	0.242	0.242	0.242	0.242	0.242
0.083	0.242	0.241	0.241	0.241	0.242	0.242
0.167	0.242	0.242	0.242	0.242	0.242	0.242
0.25	0.242	0.242	0.242	0.242	0.242	0.242
0.333	0.242	0.242	0.242	0.242	0.242	0.242
0.417	0.242	0.242	0.242	0.242	0.242	0.242
0.5	0.242	0.242	0.242	0.242	0.242	0.242
0.583	0.242	0.242	0.242	0.242	0.242	0.242
0.667	0.242	0.242	0.242	0.242	0.243	0.243
0.75	0.243	0.243	0.243	0.243	0.243	0.243
0.833	0.243	0.243	0.243	0.242	0.242	0.242
0.917	0.243	0.242	0.242	0.242	0.242	0.242
1	0.243	0.242	0.242	0.242	0.242	0.242
1.083	0.243	0.242	0.242	0.242	0.243	0.242
1.167	0.243	0.242	0.243	0.242	0.243	0.242
1.25	0.243	0.243	0.243	0.243	0.243	0.243
1.333	0.243	0.242	0.243	0.242	0.242	0.242
1.417	0.243	0.242	0.242	0.242	0.242	0.242
1.5	0.243	0.242	0.242	0.242	0.242	0.242
1.583	0.243	0.242	0.242	0.242	0.242	0.242
1.667	0.242	0.242	0.242	0.242	0.241	0.241
1.75	0.242	0.241	0.241	0.24	0.24	0.24
1.833	0.24	0.24	0.239	0.239	0.239	0.24
1.917	0.24	0.241	0.242	0.243	0.244	0.245
2	0.245	0.246	0.248	0.25	0.252	0.253
2.083	0.253	0.257	0.261	0.265	0.268	0.27
2.167	0.269	0.274	0.279	0.285	0.288	0.29
2.25	0.287	0.292	0.295	0.298	0.3	0.3
2.333	0.299	0.3	0.302	0.303	0.304	0.304
2.417	0.303	0.305	0.306	0.307	0.308	0.309
2.5	0.31	0.312	0.315	0.319	0.322	0.324
2.583	0.325	0.33	0.335	0.341	0.345	0.346
2.667	0.344	0.347	0.349	0.35	0.351	0.353
2.75	0.346	0.36	0.409	0.488	0.572	0.658
2.833	1.208	1.321	1.501	2.05	2.575	2.82
2.917	2.768	3.388	3.894	4.171	4.329	4.423
3	4.754	5.026	5.257	5.449	5.564	5.629
3.083	6.007	6.191	6.368	6.527	6.632	6.691
3.167	7.128	7.279	7.441	7.589	7.683	7.737
3.25	8.17	8.327	8.483	8.621	8.714	8.77
3.333	9.189	9.366	9.524	9.667	9.757	9.807
3.417	10.228	10.408	10.558	10.703	10.792	10.843
3.5	11.208	11.385	11.551	11.693	11.775	11.823
3.583	12.182	12.355	12.508	12.634	12.713	12.759

3.667	13.059	13.23	13.378	13.507	13.581	13.624
3.75	13.884	14.039	14.177	14.29	14.357	14.396
3.833	14.651	14.782	14.907	15.014	15.078	15.115
3.917	15.416	15.518	15.624	15.719	15.781	15.816
4	16.179	16.266	16.361	16.445	16.506	16.538
4.083	16.96	17.056	17.142	17.237	17.29	17.328
4.167	17.732	17.82	17.898	17.985	18.031	18.065
4.25	18.385	18.456	18.519	18.587	18.626	18.652
4.333	18.991	19.057	19.123	19.189	19.232	19.26
4.417	19.604	19.666	19.726	19.787	19.824	19.849
4.5	20.089	20.133	20.174	20.217	20.24	20.256
4.583	20.375	20.401	20.426	20.45	20.462	20.471
4.667	20.528	20.547	20.552	20.569	20.57	20.579
4.75	20.588	20.592	20.595	20.596	20.597	20.595
4.833	20.536	20.533	20.519	20.515	20.501	20.503
4.917	20.388	20.382	20.359	20.347	20.332	20.325
5	20.184	20.166	20.139	20.119	20.099	20.092
5.083	19.898	19.87	19.838	19.805	19.785	19.769
5.167	19.541	19.509	19.469	19.435	19.405	19.394
5.25	19.151	19.116	19.074	19.034	19.005	18.988
5.333	18.731	18.691	18.643	18.6	18.565	18.549
5.417	18.26	18.215	18.163	18.113	18.078	18.057
5.5	17.75	17.702	17.646	17.59	17.555	17.531
5.583	17.206	17.153	17.089	17.029	16.988	16.964
5.667	16.626	16.566	16.499	16.435	16.391	16.365
5.75	16.023	15.964	15.898	15.834	15.79	15.764
5.833	15.42	15.358	15.289	15.219	15.174	15.144
5.917	14.795	14.729	14.663	14.59	14.547	14.514
6	14.166	14.104	14.029	13.958	13.909	13.88
6.083	13.522	13.457	13.376	13.302	13.25	13.219
6.167	12.857	12.795	12.71	12.639	12.582	12.552
6.25	12.196	12.126	12.045	11.964	11.911	11.876
6.333	11.508	11.443	11.354	11.279	11.217	11.188
6.417	10.826	10.756	10.664	10.585	10.521	10.491
6.5	10.135	10.051	9.967	9.875	9.819	9.779
6.583	9.431	9.342	9.253	9.156	9.095	9.054
6.667	8.714	8.622	8.534	8.437	8.374	8.336
6.75	8.007	7.911	7.818	7.718	7.654	7.617
6.833	7.314	7.23	7.133	7.037	6.974	6.933
6.917	6.639	6.55	6.451	6.353	6.283	6.246
7	5.963	5.868	5.768	5.663	5.595	5.553
7.083	5.285	5.197	5.087	4.983	4.907	4.862
7.167	4.603	4.497	4.381	4.267	4.184	4.139
7.25	3.926	3.81	3.694	3.566	3.485	3.432
7.333	3.257	3.143	3.017	2.895	2.813	2.767
7.417	2.668	2.548	2.416	2.292	2.209	2.162
7.5	2.137	2.025	1.898	1.78	1.705	1.663
7.583	1.733	1.635	1.53	1.436	1.366	1.315
7.667	1.448	1.36	1.275	1.195	1.129	1.084
7.75	1.228	1.126	1.032	0.923	0.874	0.851

7.833	1.022	0.931	0.813	0.727	0.702	0.688
7.917	0.832	0.743	0.652	0.593	0.577	0.567
8	0.722	0.635	0.554	0.506	0.492	0.485
8.083	0.611	0.532	0.48	0.458	0.446	0.439
8.167	0.568	0.487	0.436	0.415	0.403	0.398
8.25	0.531	0.446	0.395	0.376	0.366	0.361
8.333	0.448	0.391	0.366	0.347	0.336	0.331
8.417	0.416	0.362	0.34	0.323	0.315	0.312
8.5	0.386	0.34	0.322	0.31	0.304	0.302
8.583	0.354	0.334	0.316	0.302	0.297	0.295
8.667	0.333	0.316	0.302	0.293	0.289	0.288
8.75	0.321	0.305	0.293	0.285	0.282	0.281
8.833	0.309	0.296	0.285	0.278	0.275	0.274
8.917	0.297	0.284	0.275	0.268	0.266	0.265
9	0.284	0.274	0.264	0.259	0.257	0.255
9.083	0.271	0.262	0.254	0.25	0.248	0.247
9.167	0.26	0.253	0.247	0.245	0.244	0.243
9.25	0.256	0.249	0.245	0.243	0.242	0.242
9.333	0.253	0.247	0.244	0.243	0.242	0.242
9.417	0.251	0.246	0.244	0.243	0.243	0.244
9.5	0.25	0.246	0.244	0.244	0.244	0.244
9.583	0.25	0.246	0.244	0.245	0.244	0.244
9.667	0.249	0.246	0.245	0.244	0.245	0.245
9.75	0.249	0.246	0.246	0.244	0.245	0.245
9.833	0.249	0.247	0.245	0.245	0.245	0.245
9.917	0.249	0.246	0.245	0.245	0.245	0.245
10	0.248	0.246	0.245	0.245	0.245	0.245
10.083	0.248	0.246	0.245	0.245	0.245	0.245
10.167	0.247	0.245	0.245	0.244	0.244	0.244
10.25	0.247	0.245	0.244	0.244	0.244	0.244
10.333	0.247	0.245	0.244	0.244	0.244	0.244
10.417	0.247	0.245	0.244	0.244	0.244	0.244
10.5	0.246	0.245	0.244	0.244	0.244	0.244
10.583	0.246	0.245	0.244	0.244	0.244	0.244
10.667	0.245	0.244	0.244	0.244	0.244	0.244
10.75	0.246	0.244	0.244	0.244	0.244	0.244
10.833	0.246	0.244	0.244	0.244	0.244	0.244
10.917	0.246	0.244	0.244	0.244	0.244	0.244
11	0.246	0.244	0.244	0.244	0.244	0.244
11.083	0.246	0.244	0.244	0.244	0.244	0.244
11.167	0.245	0.244	0.244	0.244	0.243	0.243
11.25	0.245	0.244	0.244	0.243	0.243	0.243
11.333	0.245	0.244	0.244	0.243	0.243	0.243
11.417	0.245	0.244	0.243	0.243	0.243	0.243
11.5	0.245	0.244	0.243	0.243	0.243	0.243
11.583	0.245	0.244	0.243	0.243	0.243	0.243
11.667	0.245	0.243	0.243	0.243	0.243	0.243
11.75	0.244	0.243	0.243	0.243	0.243	0.243
11.833	0.244	0.243	0.243	0.243	0.243	0.243
11.917	0.244	0.243	0.243	0.243	0.243	0.243

12	0.244	0.243	0.243	0.243	0.243	0.243
12.083	0.244	0.243	0.243	0.243	0.243	0.243
12.167	0.244	0.243	0.243	0.243	0.243	0.243
12.25	0.244	0.243	0.243	0.243	0.243	0.243
12.333	0.244	0.243	0.243	0.243	0.243	0.243
12.417	0.244	0.243	0.243	0.243	0.243	0.243
12.5	0.244	0.243	0.243	0.243	0.243	0.243
12.583	0.243	0.243	0.243	0.243	0.243	0.243
12.667	0.243	0.243	0.243	0.243	0.243	0.243
12.75	0.243	0.243	0.243	0.243	0.243	0.243
12.833	0.243	0.243	0.243	0.243	0.243	0.243
12.917	0.243	0.243	0.243	0.243	0.243	0.243
13	0.243	0.243	0.243	0.243	0.243	0.243
13.083	0.243	0.243	0.243	0.243	0.243	0.243
13.167	0.243	0.243	0.243	0.243	0.243	0.243
13.25	0.243	0.243	0.243	0.243	0.243	0.243
13.333	0.243	0.243	0.243	0.243	0.243	0.243
13.417	0.243	0.243	0.243	0.243	0.243	0.243
13.5	0.243	0.243	0.243	0.243	0.243	0.243
13.583	0.242	0.243	0.243	0.243	0.243	0.243
13.667	0.243	0.243	0.243	0.243	0.243	0.243
13.75	0.242	0.243	0.243	0.243	0.243	0.243
13.833	0.242	0.243	0.243	0.243	0.243	0.243
13.917	0.243	0.243	0.243	0.243	0.243	0.243
14	0.242	0.243	0.243	0.243	0.243	0.242
14.083	0.242	0.243	0.243	0.243	0.243	0.243
14.167	0.243	0.243	0.243	0.243	0.243	0.243
14.25	0.243	0.243	0.243	0.243	0.243	0.243
14.333	0.243	0.243	0.243	0.243	0.243	0.243
14.417	0.243	0.242	0.243	0.243	0.243	0.243
14.5	0.243	0.242	0.243	0.242	0.243	0.242
14.583	0.243	0.243	0.243	0.243	0.243	0.243
14.667	0.243	0.243	0.243	0.243	0.243	0.243
14.75	0.243	0.243	0.243	0.243	0.243	0.243
14.833	0.242	0.243	0.243	0.243	0.243	0.243
14.917	0.243	0.243	0.243	0.243	0.243	0.243
15	0.243	0.243	0.243	0.243	0.243	0.243
MAX	20.588	20.592	20.595	20.596	20.597	20.595

Output - D:\CANNINGTON\ISISTUFLOW\TUFLOW\ISIS\RESULTS\SCHEME\1T1000D4_25CANN.ZZN

Selected output data from time (hr): 0

to time (hr): 15

Stage

Time (hr)	DFRC_0468	DFRC_0520	DFRC_0573	DFRC_0622	DFRC_0656	DFRC_0676d
0	6.494	6.633	6.773	6.902	7.006	7.074
0.083	6.493	6.633	6.773	6.902	7.006	7.074
0.167	6.493	6.633	6.773	6.903	7.006	7.074
0.25	6.492	6.633	6.773	6.903	7.006	7.074
0.333	6.492	6.633	6.773	6.903	7.007	7.074
0.417	6.491	6.633	6.773	6.903	7.007	7.074
0.5	6.491	6.633	6.773	6.903	7.007	7.074
0.583	6.49	6.633	6.773	6.903	7.007	7.074
0.667	6.489	6.633	6.773	6.903	7.007	7.074
0.75	6.488	6.633	6.773	6.903	7.007	7.074
0.833	6.487	6.633	6.773	6.903	7.007	7.074
0.917	6.486	6.633	6.773	6.903	7.007	7.074
1	6.485	6.633	6.773	6.903	7.007	7.074
1.083	6.484	6.633	6.773	6.903	7.007	7.074
1.167	6.482	6.633	6.773	6.903	7.007	7.074
1.25	6.481	6.633	6.773	6.903	7.007	7.074
1.333	6.48	6.633	6.773	6.903	7.007	7.074
1.417	6.479	6.632	6.772	6.902	7.005	7.073
1.5	6.478	6.631	6.772	6.902	7.006	7.074
1.583	6.478	6.633	6.774	6.905	7.01	7.078
1.667	6.482	6.639	6.781	6.913	7.018	7.087
1.75	6.491	6.649	6.793	6.926	7.032	7.101
1.833	6.504	6.662	6.805	6.938	7.042	7.11
1.917	6.514	6.669	6.811	6.942	7.046	7.113
2	6.52	6.672	6.813	6.945	7.049	7.117
2.083	6.525	6.676	6.819	6.953	7.057	7.125
2.167	6.535	6.685	6.831	6.967	7.07	7.136
2.25	6.547	6.695	6.839	6.964	7.062	7.132
2.333	6.727	6.946	7.152	7.355	7.536	7.66
2.417	7.063	7.302	7.491	7.658	7.775	7.852
2.5	7.292	7.469	7.633	7.779	7.886	7.958
2.583	7.416	7.576	7.733	7.875	7.979	8.049
2.667	7.513	7.67	7.826	7.966	8.068	8.137
2.75	7.614	7.761	7.913	8.051	8.151	8.219
2.833	7.719	7.851	7.995	8.128	8.226	8.292
2.917	7.815	7.938	8.075	8.203	8.298	8.363
3	7.911	8.025	8.155	8.278	8.37	8.434
3.083	8.001	8.11	8.235	8.355	8.444	8.506
3.167	8.08	8.189	8.314	8.433	8.521	8.583
3.25	8.151	8.264	8.391	8.51	8.597	8.659
3.333	8.207	8.321	8.448	8.565	8.652	8.712
3.417	8.244	8.359	8.486	8.603	8.689	8.748
3.5	8.271	8.387	8.514	8.631	8.716	8.775
3.583	8.294	8.41	8.538	8.654	8.739	8.799
3.667	8.313	8.43	8.559	8.675	8.76	8.819

3.75	8.33	8.449	8.577	8.694	8.779	8.838
3.833	8.346	8.465	8.594	8.71	8.795	8.854
3.917	8.359	8.479	8.608	8.725	8.809	8.869
4	8.373	8.493	8.623	8.74	8.825	8.885
4.083	8.389	8.51	8.641	8.758	8.843	8.902
4.167	8.404	8.526	8.657	8.775	8.86	8.919
4.25	8.418	8.541	8.672	8.79	8.875	8.934
4.333	8.428	8.552	8.683	8.801	8.886	8.946
4.417	8.438	8.562	8.694	8.812	8.897	8.956
4.5	8.445	8.569	8.702	8.82	8.905	8.964
4.583	8.45	8.575	8.707	8.825	8.91	8.969
4.667	8.454	8.579	8.711	8.829	8.915	8.974
4.75	8.46	8.585	8.717	8.836	8.921	8.98
4.833	8.464	8.589	8.722	8.84	8.925	8.984
4.917	8.465	8.59	8.722	8.839	8.925	8.983
5	8.463	8.587	8.719	8.836	8.921	8.98
5.083	8.46	8.583	8.713	8.831	8.915	8.974
5.167	8.455	8.577	8.707	8.823	8.908	8.966
5.25	8.449	8.569	8.699	8.815	8.899	8.958
5.333	8.441	8.561	8.69	8.805	8.889	8.947
5.417	8.433	8.552	8.68	8.794	8.879	8.937
5.5	8.424	8.542	8.67	8.784	8.867	8.925
5.583	8.415	8.532	8.659	8.773	8.856	8.914
5.667	8.406	8.523	8.649	8.762	8.846	8.903
5.75	8.396	8.512	8.636	8.751	8.833	8.89
5.833	8.383	8.499	8.623	8.736	8.819	8.876
5.917	8.369	8.484	8.607	8.72	8.802	8.858
6	8.355	8.467	8.59	8.702	8.784	8.841
6.083	8.34	8.451	8.573	8.684	8.766	8.823
6.167	8.325	8.435	8.556	8.667	8.748	8.805
6.25	8.31	8.419	8.539	8.65	8.731	8.788
6.333	8.293	8.4	8.519	8.629	8.71	8.767
6.417	8.272	8.377	8.495	8.604	8.685	8.741
6.5	8.248	8.351	8.467	8.576	8.655	8.711
6.583	8.221	8.322	8.436	8.543	8.622	8.677
6.667	8.188	8.286	8.397	8.502	8.58	8.635
6.75	8.148	8.242	8.349	8.453	8.53	8.584
6.833	8.106	8.196	8.3	8.401	8.478	8.532
6.917	8.065	8.151	8.252	8.352	8.427	8.481
7	8.024	8.106	8.203	8.301	8.375	8.429
7.083	7.983	8.06	8.154	8.249	8.323	8.375
7.167	7.941	8.014	8.103	8.196	8.269	8.321
7.25	7.899	7.967	8.053	8.143	8.215	8.267
7.333	7.857	7.921	8.002	8.089	8.16	8.211
7.417	7.817	7.875	7.951	8.035	8.105	8.156
7.5	7.778	7.829	7.9	7.98	8.048	8.098
7.583	7.738	7.784	7.848	7.924	7.991	8.04
7.667	7.701	7.741	7.799	7.871	7.935	7.983
7.75	7.664	7.697	7.748	7.814	7.877	7.924
7.833	7.627	7.653	7.696	7.756	7.814	7.86

7.917	7.589	7.609	7.644	7.695	7.75	7.793
8	7.554	7.568	7.594	7.637	7.687	7.729
8.083	7.524	7.532	7.551	7.585	7.629	7.668
8.167	7.499	7.504	7.517	7.542	7.582	7.618
8.25	7.479	7.483	7.492	7.512	7.545	7.574
8.333	7.462	7.465	7.472	7.489	7.513	7.535
8.417	7.444	7.447	7.452	7.465	7.482	7.495
8.5	7.425	7.427	7.431	7.443	7.456	7.467
8.583	7.404	7.406	7.41	7.42	7.431	7.44
8.667	7.379	7.381	7.385	7.395	7.405	7.414
8.75	7.349	7.351	7.357	7.367	7.377	7.386
8.833	7.314	7.317	7.324	7.335	7.347	7.357
8.917	7.275	7.279	7.288	7.299	7.312	7.324
9	7.235	7.24	7.249	7.263	7.277	7.291
9.083	7.193	7.2	7.21	7.226	7.244	7.26
9.167	7.15	7.158	7.169	7.186	7.208	7.228
9.25	7.108	7.117	7.13	7.15	7.176	7.2
9.333	7.067	7.077	7.091	7.114	7.145	7.173
9.417	7.025	7.034	7.049	7.077	7.113	7.146
9.5	6.985	6.995	7.012	7.042	7.084	7.122
9.583	6.947	6.958	6.977	7.013	7.064	7.108
9.667	6.914	6.926	6.948	6.991	7.051	7.1
9.75	6.881	6.893	6.92	6.972	7.04	7.095
9.833	6.855	6.869	6.9	6.959	7.034	7.091
9.917	6.832	6.848	6.883	6.949	7.029	7.089
10	6.812	6.829	6.869	6.942	7.026	7.087
10.083	6.792	6.812	6.857	6.936	7.023	7.086
10.167	6.776	6.798	6.847	6.931	7.021	7.085
10.25	6.761	6.784	6.839	6.927	7.02	7.084
10.333	6.748	6.773	6.831	6.924	7.018	7.083
10.417	6.737	6.764	6.825	6.921	7.017	7.083
10.5	6.727	6.756	6.82	6.919	7.016	7.082
10.583	6.719	6.749	6.816	6.918	7.015	7.081
10.667	6.712	6.744	6.813	6.916	7.014	7.081
10.75	6.705	6.739	6.81	6.915	7.014	7.08
10.833	6.699	6.733	6.807	6.914	7.013	7.08
10.917	6.694	6.729	6.804	6.913	7.013	7.08
11	6.688	6.725	6.802	6.912	7.012	7.079
11.083	6.684	6.721	6.8	6.911	7.012	7.079
11.167	6.68	6.718	6.799	6.91	7.012	7.079
11.25	6.676	6.715	6.797	6.91	7.011	7.078
11.333	6.672	6.713	6.796	6.909	7.011	7.078
11.417	6.669	6.71	6.794	6.909	7.011	7.078
11.5	6.666	6.708	6.793	6.908	7.01	7.078
11.583	6.663	6.706	6.792	6.908	7.01	7.077
11.667	6.661	6.704	6.791	6.908	7.01	7.077
11.75	6.658	6.702	6.791	6.908	7.01	7.077
11.833	6.656	6.701	6.79	6.907	7.01	7.077
11.917	6.653	6.699	6.789	6.907	7.01	7.077
12	6.651	6.697	6.788	6.907	7.009	7.077

12.083	6.648	6.695	6.788	6.907	7.009	7.076
12.167	6.645	6.694	6.787	6.906	7.009	7.076
12.25	6.642	6.691	6.786	6.906	7.009	7.076
12.333	6.638	6.689	6.785	6.906	7.009	7.076
12.417	6.633	6.686	6.784	6.905	7.008	7.076
12.5	6.628	6.683	6.783	6.904	7.008	7.077
12.583	6.626	6.687	6.794	6.921	7.027	7.096
12.667	6.627	6.69	6.796	6.919	7.024	7.093
12.75	6.621	6.686	6.796	6.919	7.02	7.086
12.833	6.615	6.681	6.789	6.912	7.013	7.079
12.917	6.604	6.671	6.781	6.906	7.008	7.076
13	6.596	6.666	6.779	6.904	7.008	7.075
13.083	6.589	6.662	6.778	6.904	7.007	7.075
13.167	6.584	6.659	6.777	6.904	7.007	7.075
13.25	6.578	6.657	6.776	6.904	7.007	7.075
13.333	6.572	6.654	6.776	6.903	7.007	7.075
13.417	6.566	6.652	6.776	6.903	7.007	7.075
13.5	6.56	6.649	6.776	6.903	7.007	7.075
13.583	6.554	6.647	6.775	6.903	7.007	7.075
13.667	6.548	6.645	6.775	6.903	7.007	7.075
13.75	6.543	6.643	6.775	6.903	7.007	7.075
13.833	6.535	6.641	6.774	6.903	7.007	7.075
13.917	6.53	6.64	6.774	6.903	7.007	7.075
14	6.526	6.638	6.774	6.903	7.007	7.075
14.083	6.521	6.638	6.774	6.903	7.007	7.075
14.167	6.517	6.637	6.774	6.903	7.007	7.075
14.25	6.513	6.636	6.774	6.903	7.007	7.075
14.333	6.509	6.636	6.774	6.903	7.007	7.075
14.417	6.504	6.635	6.774	6.903	7.007	7.075
14.5	6.5	6.635	6.774	6.903	7.007	7.075
14.583	6.497	6.634	6.774	6.903	7.007	7.075
14.667	6.494	6.634	6.774	6.903	7.007	7.075
14.75	6.491	6.633	6.774	6.903	7.007	7.075
14.833	6.489	6.633	6.773	6.903	7.007	7.075
14.917	6.487	6.633	6.774	6.903	7.007	7.075
15	6.485	6.633	6.774	6.903	7.007	7.075
MAX	8.465	8.59	8.722	8.84	8.925	8.984

Output-D:\CANNINGTON\ISISTUFLOW\TUFLOW\ISIS\RESULTS\SCHEME\1T1000D4_25CANN.ZZN

Selected output data from time (hr): 0
to time (hr): 15

Flow

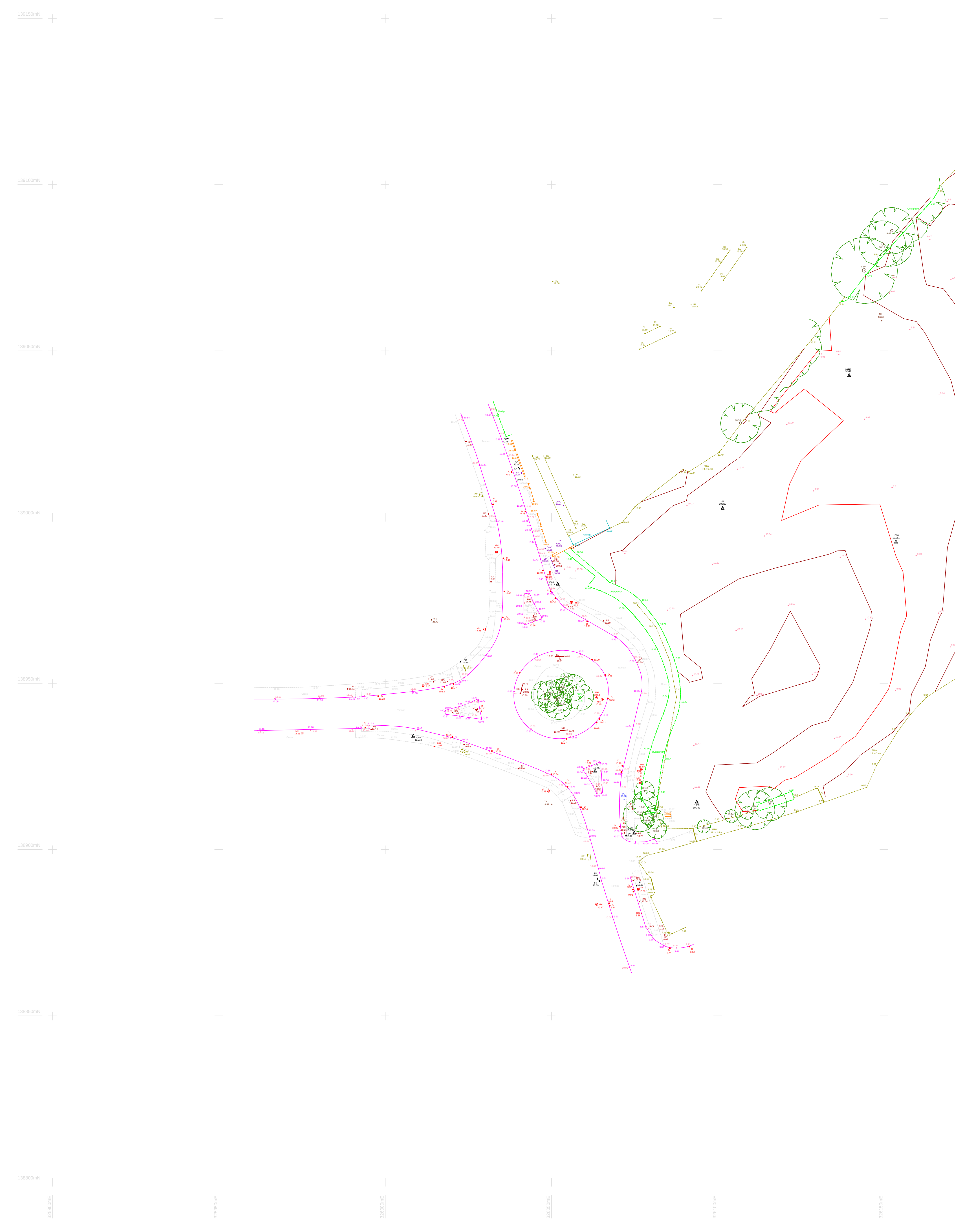
Time (hr)	DFRC_0468	DFRC_0520	DFRC_0573	DFRC_0622	DFRC_0656	DFRC_0676d
0	0.242	0.242	0.242	0.242	0.242	0.242
0.083	0.242	0.242	0.241	0.242	0.242	0.242
0.167	0.242	0.242	0.242	0.242	0.242	0.242
0.25	0.242	0.242	0.242	0.242	0.242	0.242
0.333	0.242	0.242	0.242	0.242	0.242	0.242
0.417	0.242	0.242	0.242	0.242	0.242	0.242
0.5	0.242	0.242	0.242	0.242	0.242	0.242
0.583	0.242	0.242	0.242	0.242	0.242	0.242
0.667	0.242	0.242	0.242	0.242	0.242	0.242
0.75	0.243	0.242	0.242	0.242	0.242	0.242
0.833	0.243	0.242	0.243	0.242	0.243	0.242
0.917	0.243	0.243	0.242	0.243	0.243	0.243
1	0.243	0.243	0.242	0.243	0.242	0.243
1.083	0.243	0.243	0.242	0.242	0.242	0.242
1.167	0.243	0.242	0.242	0.242	0.242	0.242
1.25	0.243	0.242	0.242	0.242	0.242	0.242
1.333	0.242	0.242	0.242	0.242	0.242	0.242
1.417	0.242	0.241	0.241	0.24	0.24	0.24
1.5	0.24	0.24	0.24	0.241	0.241	0.242
1.583	0.242	0.243	0.245	0.247	0.248	0.249
1.667	0.249	0.252	0.256	0.26	0.263	0.264
1.75	0.263	0.268	0.274	0.28	0.285	0.287
1.833	0.284	0.289	0.294	0.297	0.299	0.3
1.917	0.298	0.3	0.301	0.303	0.304	0.304
2	0.303	0.305	0.306	0.308	0.309	0.31
2.083	0.31	0.313	0.317	0.321	0.325	0.327
2.167	0.327	0.333	0.339	0.344	0.347	0.349
2.25	0.344	0.352	0.347	0.321	0.322	0.349
2.333	0.918	1.162	1.376	1.777	2.376	2.756
2.417	2.77	3.722	4.39	4.785	5.031	5.165
2.5	5.793	6.143	6.447	6.721	6.896	6.996
2.583	7.78	8.061	8.339	8.593	8.759	8.857
2.667	9.766	10.042	10.317	10.569	10.738	10.842
2.75	11.747	12.03	12.31	12.559	12.716	12.807
2.833	13.609	13.932	14.181	14.431	14.573	14.674
2.917	15.537	15.839	16.105	16.338	16.486	16.574
3	17.471	17.77	18.045	18.296	18.451	18.538
3.083	19.556	19.847	20.134	20.388	20.555	20.651
3.167	21.99	22.256	22.536	22.815	22.992	23.103
3.25	24.659	24.901	25.156	25.391	25.547	25.633
3.333	26.697	26.86	27.028	27.191	27.292	27.354
3.417	28.103	28.218	28.337	28.447	28.519	28.558
3.5	29.147	29.239	29.335	29.429	29.49	29.524
3.583	30.071	30.15	30.231	30.31	30.363	30.391
3.667	30.884	30.959	31.027	31.104	31.148	31.177
3.75	31.643	31.704	31.772	31.834	31.879	31.903

3.833	32.293	32.346	32.404	32.458	32.496	32.514
3.917	32.871	32.909	32.966	33.009	33.047	33.062
4	33.514	33.569	33.632	33.691	33.732	33.754
4.083	34.263	34.318	34.383	34.438	34.483	34.5
4.167	34.994	35.04	35.109	35.157	35.209	35.224
4.25	35.645	35.694	35.731	35.782	35.805	35.824
4.333	36.149	36.181	36.222	36.255	36.284	36.294
4.417	36.598	36.637	36.664	36.704	36.721	36.737
4.5	36.959	36.985	37.005	37.031	37.043	37.053
4.583	37.191	37.21	37.221	37.239	37.246	37.253
4.667	37.37	37.396	37.415	37.437	37.452	37.465
4.75	37.658	37.681	37.682	37.743	37.74	37.743
4.833	37.865	37.866	37.853	37.894	37.872	37.874
4.917	37.832	37.831	37.845	37.794	37.849	37.796
5	37.698	37.628	37.663	37.625	37.593	37.654
5.083	37.408	37.375	37.344	37.349	37.304	37.298
5.167	37.032	37.008	37.005	36.959	36.951	36.97
5.25	36.694	36.579	36.621	36.548	36.514	36.602
5.333	36.215	36.148	36.158	36.073	36.133	36.02
5.417	35.719	35.683	35.707	35.565	35.675	35.61
5.5	35.291	35.165	35.21	35.105	35.11	35.072
5.583	34.748	34.718	34.707	34.636	34.626	34.65
5.667	34.281	34.258	34.24	34.133	34.221	34.147
5.75	33.771	33.761	33.632	33.694	33.623	33.509
5.833	33.145	33.116	33.072	32.962	33.022	32.99
5.917	32.443	32.431	32.336	32.298	32.264	32.188
6	31.741	31.688	31.631	31.571	31.535	31.511
6.083	31.033	30.972	30.917	30.853	30.817	30.791
6.167	30.326	30.274	30.221	30.163	30.129	30.107
6.25	29.645	29.59	29.532	29.473	29.434	29.411
6.333	28.851	28.783	28.712	28.635	28.59	28.557
6.417	27.901	27.816	27.729	27.64	27.582	27.542
6.5	26.833	26.742	26.647	26.548	26.484	26.443
6.583	25.628	25.528	25.415	25.298	25.223	25.171
6.667	24.165	24.034	23.887	23.742	23.642	23.581
6.75	22.46	22.32	22.168	22.009	21.904	21.842
6.833	20.741	20.603	20.442	20.291	20.186	20.126
6.917	19.132	18.992	18.85	18.697	18.605	18.538
7	17.57	17.433	17.288	17.138	17.037	16.976
7.083	16.049	15.902	15.757	15.603	15.506	15.44
7.167	14.577	14.448	14.299	14.149	14.053	13.99
7.25	13.177	13.038	12.894	12.742	12.646	12.584
7.333	11.802	11.671	11.531	11.382	11.285	11.224
7.417	10.504	10.377	10.243	10.1	10.006	9.947
7.5	9.249	9.12	8.985	8.84	8.745	8.684
7.583	8.054	7.936	7.803	7.666	7.574	7.518
7.667	6.972	6.858	6.73	6.593	6.5	6.444
7.75	5.904	5.796	5.673	5.539	5.446	5.39
7.833	4.881	4.773	4.643	4.504	4.405	4.346
7.917	3.904	3.797	3.673	3.535	3.437	3.377
8	3.026	2.938	2.82	2.704	2.603	2.556

8.083	2.268	2.199	2.109	2.011	1.94	1.889
8.167	1.72	1.654	1.574	1.496	1.429	1.394
8.25	1.336	1.286	1.235	1.181	1.133	1.096
8.333	1.119	1.069	1.022	0.971	0.929	0.899
8.417	0.916	0.859	0.817	0.766	0.726	0.702
8.5	0.772	0.719	0.671	0.626	0.597	0.583
8.583	0.709	0.646	0.591	0.534	0.515	0.506
8.667	0.677	0.602	0.539	0.483	0.457	0.456
8.75	0.672	0.593	0.516	0.452	0.424	0.418
8.833	0.659	0.582	0.497	0.426	0.402	0.391
8.917	0.641	0.544	0.452	0.403	0.387	0.38
9	0.618	0.519	0.435	0.379	0.368	0.361
9.083	0.596	0.504	0.417	0.366	0.355	0.348
9.167	0.534	0.435	0.378	0.359	0.345	0.339
9.25	0.508	0.416	0.359	0.339	0.328	0.322
9.333	0.48	0.391	0.34	0.322	0.311	0.306
9.417	0.409	0.349	0.323	0.302	0.292	0.286
9.5	0.374	0.319	0.297	0.28	0.272	0.268
9.583	0.349	0.302	0.283	0.269	0.263	0.26
9.667	0.33	0.29	0.274	0.263	0.259	0.257
9.75	0.296	0.282	0.269	0.261	0.258	0.257
9.833	0.291	0.277	0.267	0.259	0.257	0.257
9.917	0.284	0.273	0.264	0.258	0.257	0.256
10	0.281	0.27	0.262	0.258	0.256	0.256
10.083	0.277	0.269	0.26	0.257	0.256	0.256
10.167	0.273	0.264	0.259	0.256	0.255	0.255
10.25	0.269	0.262	0.258	0.255	0.254	0.255
10.333	0.266	0.261	0.256	0.254	0.254	0.254
10.417	0.263	0.259	0.255	0.253	0.253	0.253
10.5	0.262	0.257	0.254	0.253	0.252	0.252
10.583	0.258	0.255	0.254	0.252	0.252	0.252
10.667	0.257	0.255	0.252	0.252	0.251	0.251
10.75	0.257	0.253	0.251	0.251	0.251	0.25
10.833	0.255	0.253	0.251	0.25	0.25	0.25
10.917	0.253	0.252	0.25	0.25	0.25	0.249
11	0.254	0.251	0.25	0.249	0.249	0.249
11.083	0.252	0.25	0.25	0.249	0.249	0.249
11.167	0.251	0.25	0.249	0.248	0.248	0.248
11.25	0.251	0.25	0.248	0.248	0.248	0.248
11.333	0.25	0.249	0.248	0.248	0.248	0.247
11.417	0.25	0.248	0.248	0.247	0.247	0.247
11.5	0.249	0.248	0.247	0.247	0.247	0.247
11.583	0.249	0.248	0.247	0.247	0.247	0.247
11.667	0.248	0.247	0.247	0.247	0.247	0.246
11.75	0.248	0.247	0.247	0.246	0.246	0.246
11.833	0.248	0.246	0.246	0.246	0.246	0.246
11.917	0.248	0.247	0.246	0.246	0.246	0.246
12	0.247	0.246	0.246	0.245	0.245	0.245
12.083	0.247	0.246	0.246	0.245	0.245	0.245
12.167	0.247	0.246	0.245	0.245	0.245	0.245
12.25	0.247	0.246	0.245	0.245	0.245	0.245

12.333	0.247	0.245	0.245	0.245	0.244	0.244
12.417	0.247	0.245	0.245	0.244	0.244	0.244
12.5	0.245	0.247	0.245	0.241	0.246	0.248
12.583	0.26	0.261	0.267	0.273	0.275	0.278
12.667	0.268	0.27	0.265	0.265	0.272	0.273
12.75	0.271	0.266	0.268	0.265	0.257	0.258
12.833	0.265	0.261	0.256	0.252	0.249	0.248
12.917	0.253	0.249	0.246	0.245	0.244	0.244
13	0.247	0.245	0.244	0.243	0.243	0.243
13.083	0.246	0.244	0.243	0.243	0.243	0.243
13.167	0.245	0.244	0.243	0.243	0.243	0.243
13.25	0.245	0.243	0.243	0.243	0.243	0.243
13.333	0.245	0.243	0.243	0.243	0.243	0.243
13.417	0.245	0.243	0.243	0.243	0.243	0.243
13.5	0.245	0.243	0.243	0.243	0.243	0.243
13.583	0.245	0.243	0.243	0.243	0.243	0.243
13.667	0.245	0.243	0.243	0.243	0.243	0.243
13.75	0.245	0.243	0.243	0.243	0.243	0.243
13.833	0.245	0.243	0.243	0.243	0.243	0.243
13.917	0.244	0.243	0.243	0.243	0.243	0.243
14	0.244	0.243	0.243	0.243	0.243	0.243
14.083	0.244	0.243	0.243	0.243	0.243	0.243
14.167	0.244	0.243	0.243	0.243	0.243	0.243
14.25	0.244	0.243	0.243	0.243	0.243	0.243
14.333	0.244	0.243	0.243	0.243	0.243	0.243
14.417	0.244	0.243	0.243	0.243	0.243	0.243
14.5	0.244	0.243	0.243	0.243	0.243	0.243
14.583	0.244	0.243	0.243	0.243	0.243	0.243
14.667	0.243	0.243	0.243	0.243	0.243	0.243
14.75	0.243	0.243	0.243	0.243	0.243	0.243
14.833	0.243	0.243	0.243	0.243	0.243	0.243
14.917	0.243	0.243	0.243	0.243	0.243	0.243
15	0.243	0.243	0.243	0.243	0.243	0.243
MAX	37.865	37.866	37.853	37.894	37.872	37.874

Appendix B: Topographical Survey



WEST COUNTRY LAND SURVEYS LIMITED
Rydon House
20C High Street
Topsham
Exeter
Devon EX3 0EA
Tel & Fax: (01392) 875 174
Website: www.westsurv.com

Job Title: **Grange Farm - Cannington.**

Client: **Greenslade Taylor Hunt.**

Scale: **1:500 (A1 Sheet)**

Surveyor: **Alex Fudge**

Checked By: _____

Survey Date: **April 2018**

Job Number: **7760**

Notes:
Visible features in the vicinity of the boundaries, as shown on this survey, may not represent the extent of legally conveyed ownership.

Drainage pipe sizes (where shown) have been gauged from the surface for safety reasons and should be regarded as approximate only.

All heights are in metres related to a O.S Datum established via GPS at Station 1001.

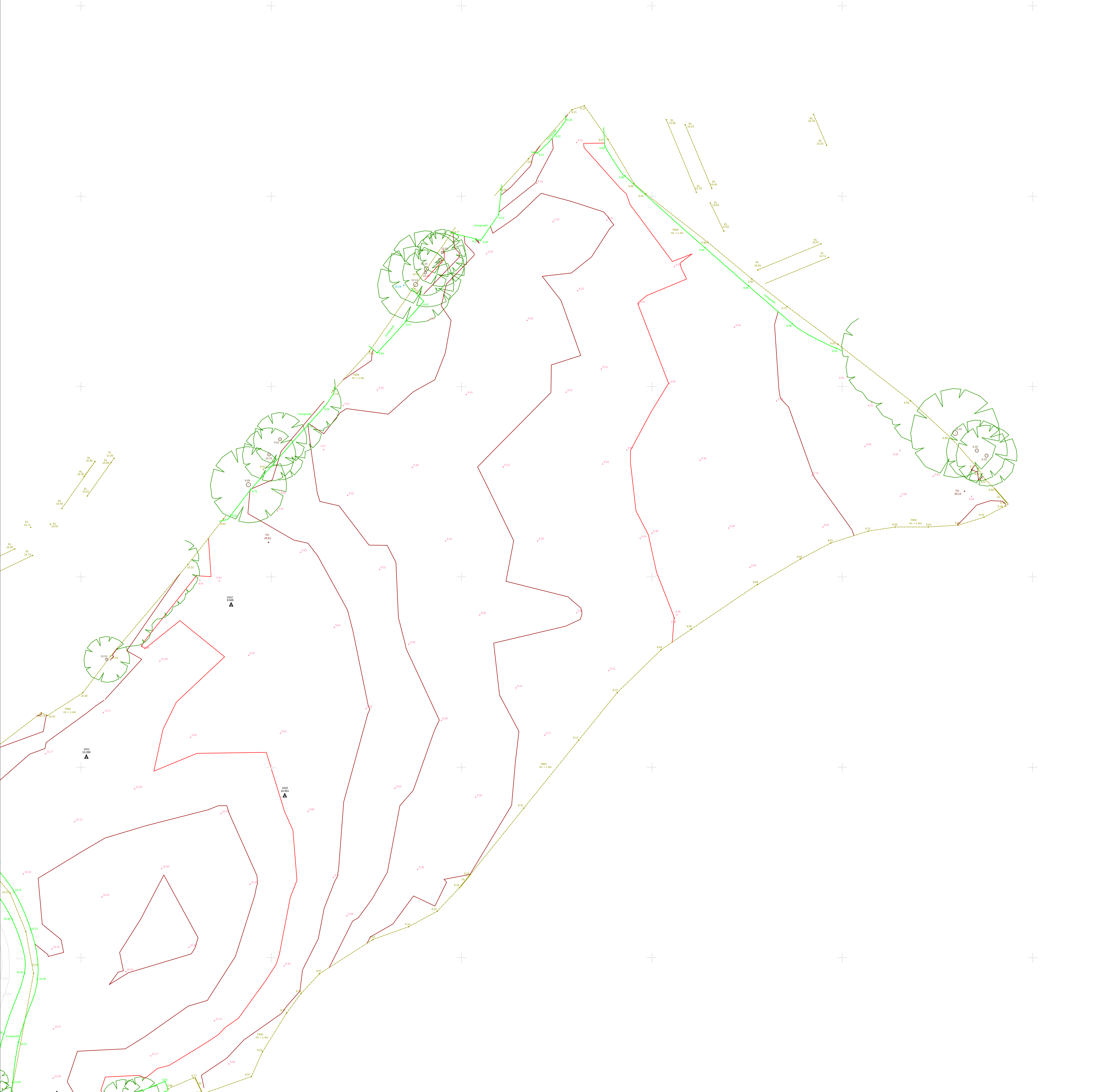
Contours are at 0.50m intervals.

Drawn on AutoCAD.

Revision History:



Revision History:		ER	Earth Rod	Lp	Lamp Post	UTL	Unable To Lift (Man Hole)
BOL	Bollard	Fb	Flower Bed	Mh	Man Hole	WL	Water Level
Bp	Brick Paviers	FW	Foul Water (Man Hole)	OHC	Overhead Cables	WM	Water Meter
BT	British Telecom Cover / Box	FBW	Fence - Barbed Wire	OT	Oil Tank		
CATV	Cable Television Cover / Box	FCB	Fence - Close Boarded	PS	Paving Slabs		
CC	Concrete	FCL	Fence - Chain Link	RG	Road Gully		
D	Drain	FIR	Fence - Iron Railings	RL	Ridge Level		
DC	Drainage Channel	FPR	Fence - Post and Rail	RP	Rodding Point		
DK	Drop Kerb	FPW	Fence - Post and Wire	RS	Road Sign		
Dp	Drain Pipe	FWM	Fence - Wire Mesh	RW	Retaining Wall		
EC	Electricity Cover / Box	Gp	Gatepost	SB	Sign Board		
EL	Eave Level	Gr	Gravel	SC	Stop Cock		
Ep	Electricity Pole	GI	Gate	SV	Stop Valve		
		GV	Gas Valve	SW	Surface Water (Man Hole)		
		IC	Inspection Cover	TL	Telegraph Light		
		IL	Invert Level	Tp	Telegraph Pole		



WEST COUNTRY LAND
SURVEYS LIMITED
Rydon House
20C High Street
Topsham
Exeter
Devon EX3 0EA
Tel & Fax: (01392) 875 174
Website: www.westsurv.com

Job Title: **Grange Farm - Cannington.**

Client: **Greenslade Taylor Hunt.**

Scale: **1:500 (A1 Sheet)**

Surveyor: **Alex Fudge**

Checked By:

Survey Date: **April 2018**

Job Number: **7760**

Notes:
Visible features in the vicinity of the boundaries, as shown on this survey, may not represent the extent of legally conveyed ownership.

Drainage pipe sizes (where shown) have been gauged from the surface for safety reasons and should be regarded as approximate only.

All heights are in metres related to a O.S Datum established via GPS at Station 1001.

Contours are at 0.50m intervals.

Drawn on AutoCAD.

Revision History:

BOL	Bollard
Bp	Brick Paviers
BT	British Telecom Cover / Box
CATV	Cable Television Cover / Box
CC	Concrete
D	Drain
DC	Drainage Channel
DK	Drop Kerb
Dp	Drain Pipe
EC	Electricity Cover / Box
EL	Eave Level
Ep	Electricity Pole

ER	Earth Rod
Fb	Flower Bed
FW	Foul Water (Man Hole)
FBW	Fence - Barbed Wire
FCB	Fence - Close Boarded
FCL	Fence - Chain Link
FIR	Fence - Iron Railings
FPR	Fence - Post and Rail
FPW	Fence - Post and Wire
FWM	Fence - Wire Mesh
Gp	Gatepost
Gr	Gravel
GI	Gate
GV	Gas Valve
IC	Inspection Cover
IL	Invert Level
Lp	Lamp Post
Mh	Man Hole
OHC	Overhead Cables
OT	Oil Tank
PS	Paving Slabs
RG	Road Gully
RL	Ridge Level
RP	Rodding Point
RS	Road Sign
RW	Retaining Wall
SB	Sign Board
SC	Stop Cock
SV	Stop Valve
SW	Surface Water (Man Hole)
TL	Telegraph Pole
UTL	Unable To Lift (Man Hole)
WL	Water Level
WM	Water Meter