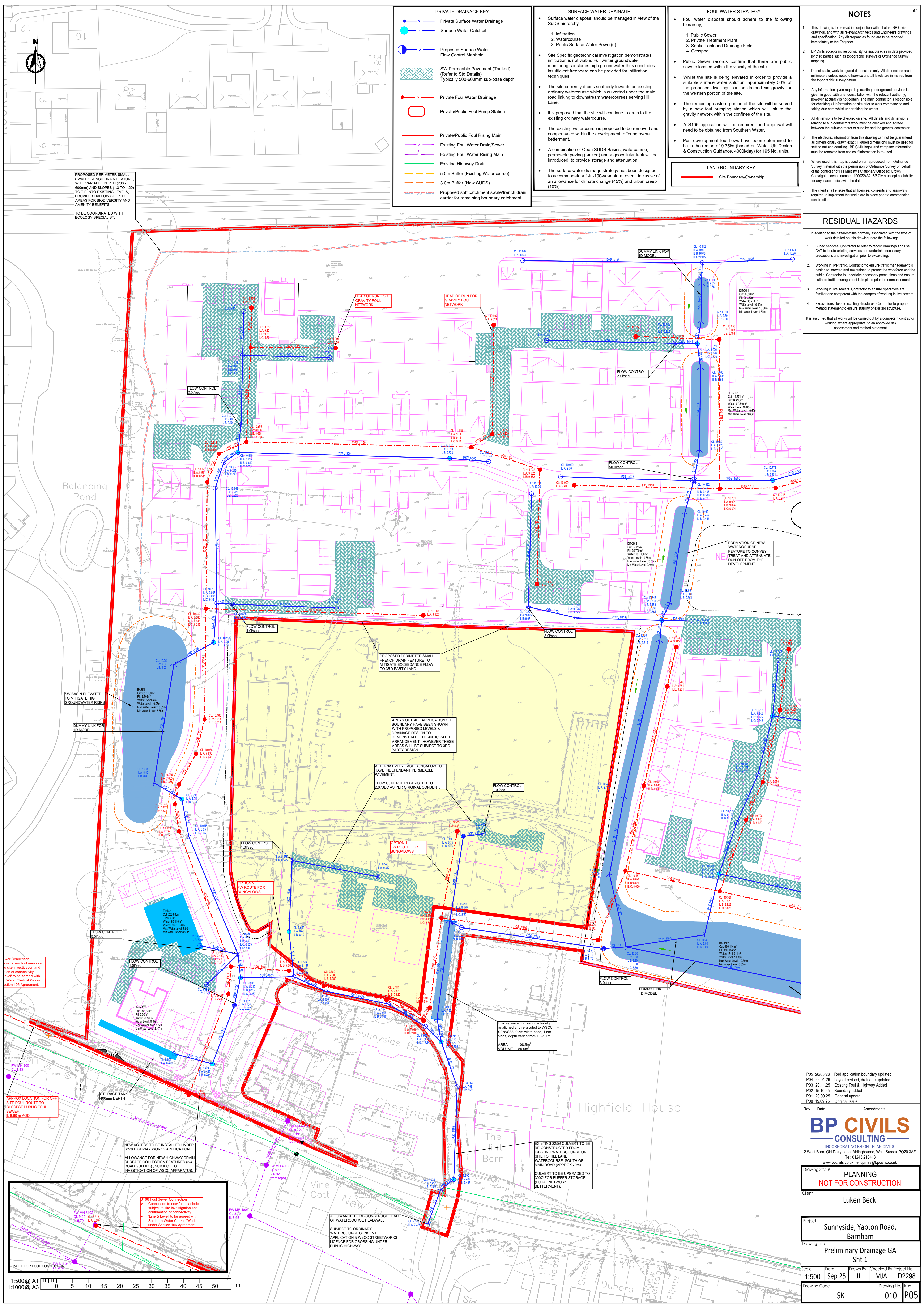




-PRIVATE DRAINAGE KEY-

- Private Surface Water Drainage
- Surface Water Catchpit
- Proposed Surface Water Flow Control Manhole
- SW Permeable Pavement (Tanked) (Refer to Std Details) Typically 500-600mm sub-base depth
- Private Foul Water Drainage
- Private/Public Foul Pump Station
- Private/Public Foul Rising Main
- Existing Foul Water Drain/Sewer
- Existing Foul Water Rising Main
- Existing Highway Drain
- 5.0m Buffer (Existing Watercourse)
- 3.0m Buffer (New SUDS)
- Proposed soft catchment swale/french drain carrier for remaining boundary catchment

-SURFACE WATER DRAINAGE-

- Surface water disposal should be managed in view of the SuDS hierarchy:
 - Infiltration
 - Watercourse
 - Public Surface Water Sewer(s)
- Site Specific geotechnical investigation demonstrates infiltration is not viable. Full winter groundwater monitoring concludes high groundwater thus concludes insufficient freeboard can be provided for infiltration techniques.
- The site currently drains southerly towards an existing ordinary watercourse which is culverted under the main road linking to downstream watercourses serving Hill Lane.
- It is proposed that the site will continue to drain to the existing ordinary watercourse.
- The existing watercourse is proposed to be removed and compensated within the development, offering overall betterment.
- A combination of Open SUDS Basins, watercourse, permeable paving (tanked) and a geocellular tank will be introduced, to provide storage and attenuation.
- The surface water drainage strategy has been designed to accommodate a 1-in-100-year storm event, inclusive of an allowance for climate change (45%) and urban creep (10%).

-FOUL WATER STRATEGY-

- Foul water disposal should adhere to the following hierarchy:
 - Public Sewer
 - Private Treatment Plant
 - Septic Tank and Drainage Field
 - Cesspool
- Public Sewer records confirm that there are public sewers located within the vicinity of the site.
- Whilst the site is being elevated in order to provide a suitable surface water solution, approximately 50% of the proposed dwellings can be drained via gravity for the western portion of the site.
- The remaining eastern portion of the site will be served by a new foul pumping station which will link to the gravity network within the confines of the site.
- A S106 application will be required, and approval will need to be obtained from Southern Water.
- Post-development foul flows have been determined to be in the region of 9.75l/s (based on Water UK Design & Construction Guidance, 4000l/day) for 195 No. units.

-LAND BOUNDARY KEY-

- Site Boundary/Ownership

- NOTES**
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 - Excavations close to existing structures. Contractor to prepare method statement to ensure stability of existing structure.
- It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved risk assessment and method statement.

P05	20/05/26	Red application boundary updated
P04	22/01/26	Layout revised, drainage updated
P03	20/11/25	Existing Foul & Highway Added
P02	15/10/25	Boundary added
P01	29/09/25	General update
P00	19/09/25	Original Issue

Rev.	Date	Amendments

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Tel: 01243 210418
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Drawing Status: **PLANNING**
NOT FOR CONSTRUCTION

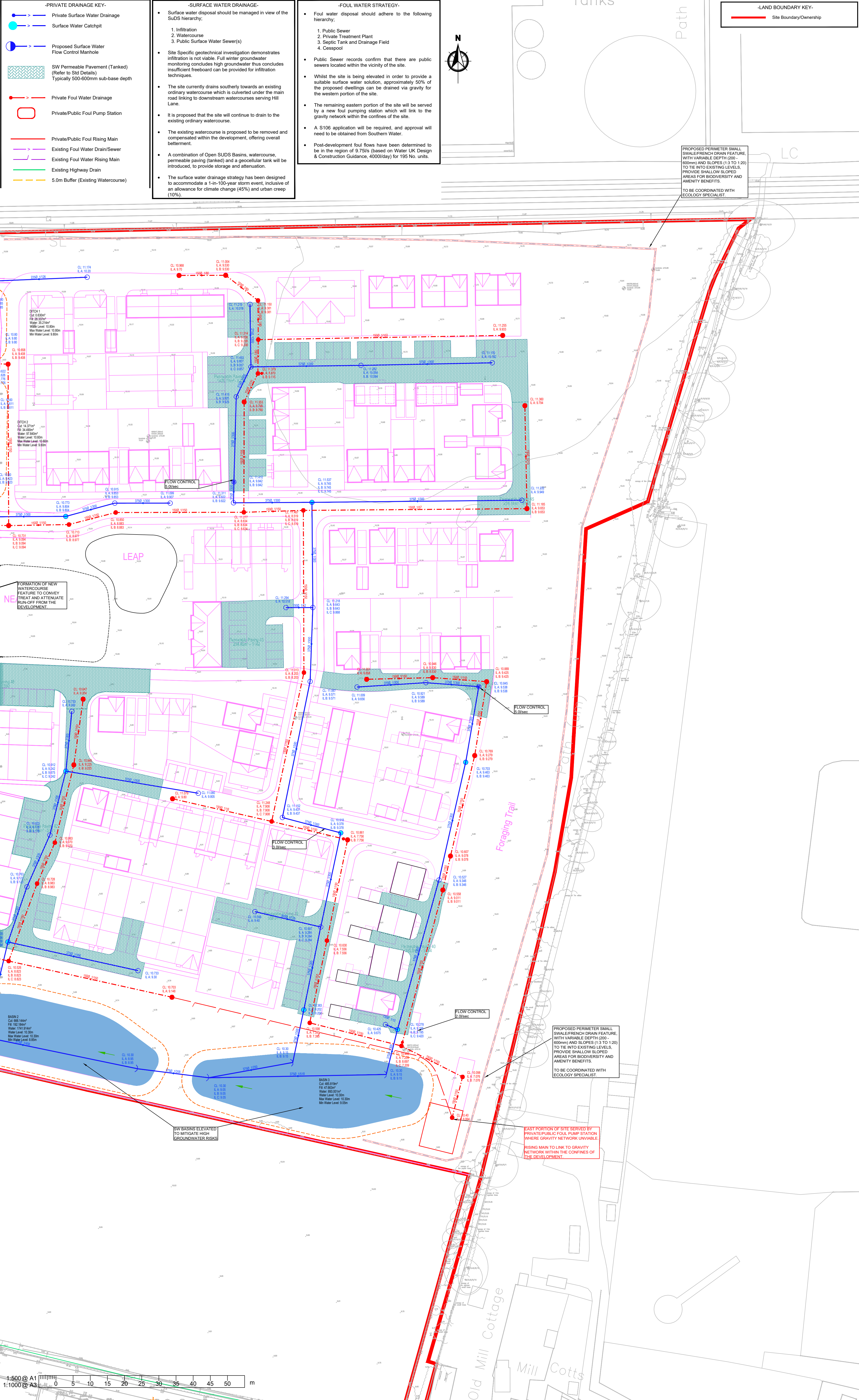
Client: **Luken Beck**

Project: **Sunnyside, Yapton Road, Barnham**

Drawing title: **Preliminary Drainage GA**
Sht 1

Scale	Date	Drawn by	Checked by	Project No
1:500	Sep 25	JL	MJA	D2298

Drawing Code	Drawing No.	Rev.
SK	010	P05



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- Surface Water Catchpit
- Proposed Surface Water Flow Control Manhole
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Drawing Status: **PLANNING NOT FOR CONSTRUCTION**

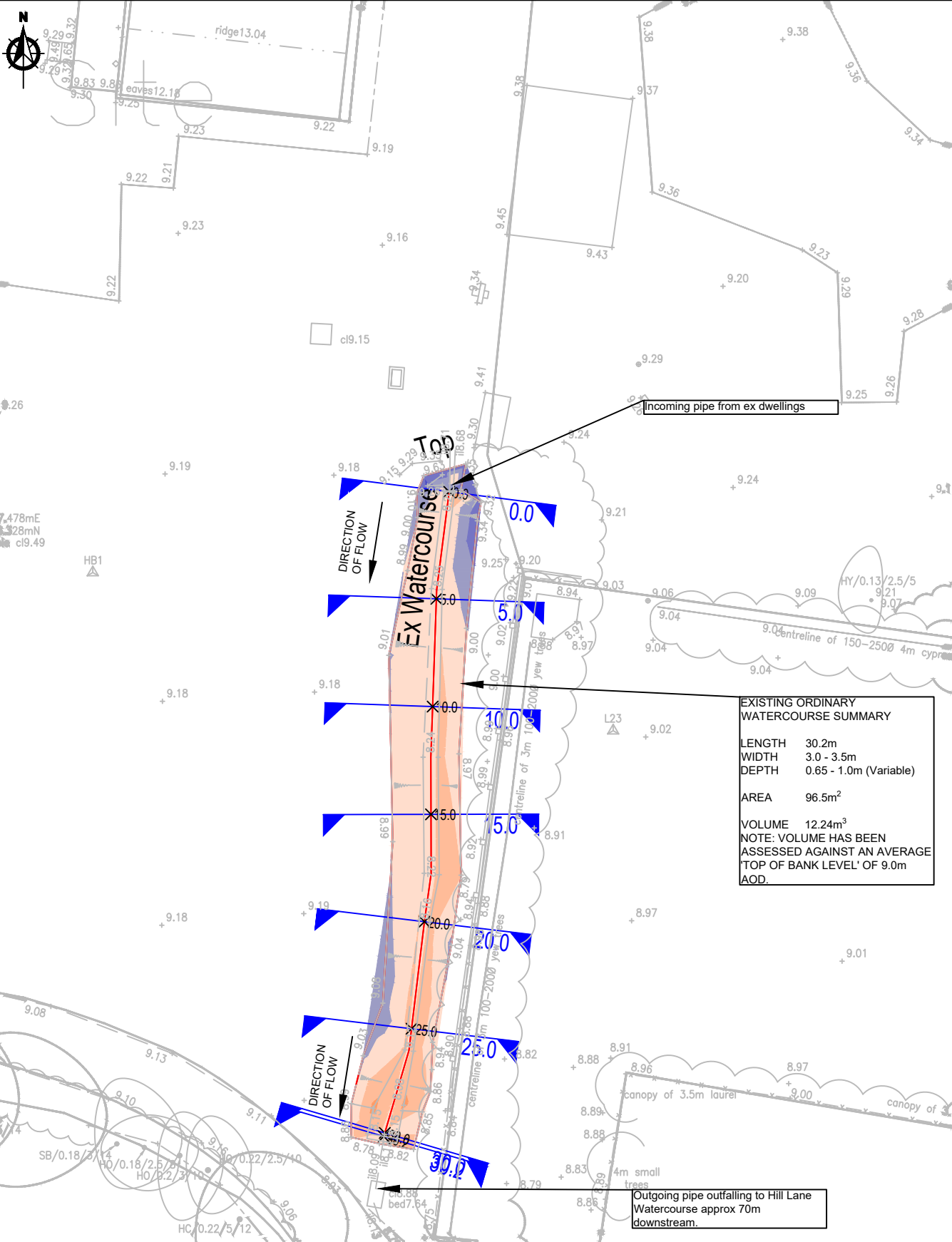
Client: **Luken Beck**

Project: **Sunnyside, Yapton Road, Barnham**

Drawing title: **Preliminary Drainage GA Sht 2**

Scale	Date	Drawn By	Checked By	Project No
1:500	Sep 25	JL	MJA	D2298

Drawing Code	Drawing No.	Rev.
SK	011	P04



Long Section

Vertical Exaggeration: 2

Datum: 2.000M AOD

CHAINAGE ON CENTRELINE (m)

EXISTING LEVELS (m)

0.000

10.000

20.000

30.170

8.199

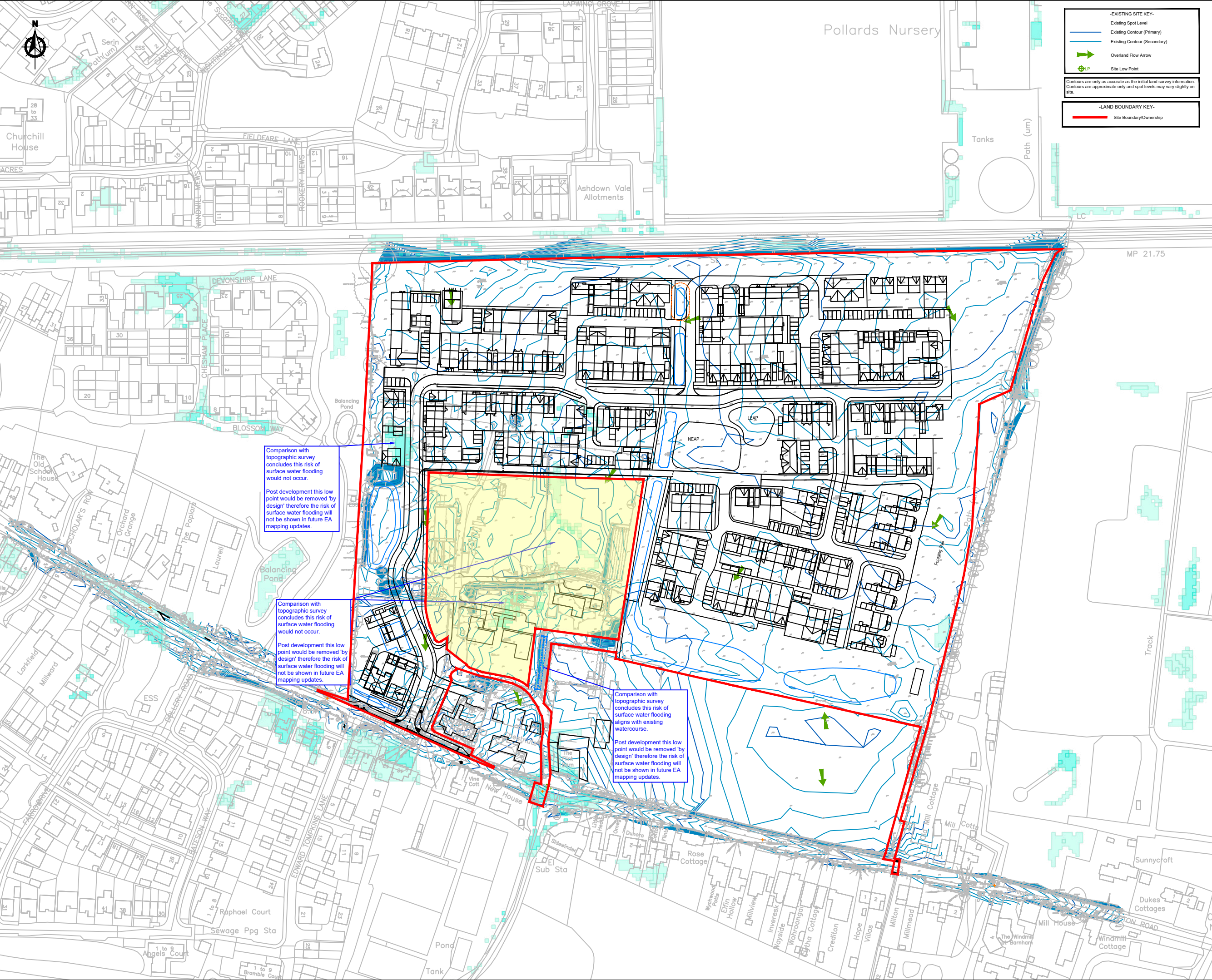
8.198

8.138

8.292

Cross Section for Ex Watercourse
Vertical Exaggeration: 5
Datum: 7.00M AOD

Existing Levels (m)	8.933	8.918	8.904	8.890	8.876	8.862	8.848	8.834	8.820	8.806	8.792	8.778	8.764	8.750	8.736	8.722	8.708	8.694	8.680	8.666	8.652	8.638	8.624	8.610	8.596	8.582	8.568	8.554	8.540	8.526	8.512	8.498	8.484	8.470	8.456	8.442	8.428	8.414	8.400	8.386	8.372	8.358	8.344	8.330	8.316	8.302	8.288	8.274	8.260	8.246	8.232	8.218	8.204	8.190	8.176	8.162	8.148	8.134	8.120	8.106	8.092	8.078	8.064	8.050	8.036	8.022	8.008	7.994	7.980	7.966	7.952	7.938	7.924	7.910	7.896	7.882	7.868	7.854	7.840	7.826	7.812	7.798	7.784	7.770	7.756	7.742	7.728	7.714	7.700	7.686	7.672	7.658	7.644	7.630	7.616	7.602	7.588	7.574	7.560	7.546	7.532	7.518	7.504	7.490	7.476	7.462	7.448	7.434	7.420	7.406	7.392	7.378	7.364	7.350	7.336	7.322	7.308	7.294	7.280	7.266	7.252	7.238	7.224	7.210	7.196	7.182	7.168	7.154	7.140	7.126	7.112	7.098	7.084	7.070	7.056	7.042	7.028	7.014	7.000	6.986	6.972	6.958	6.944	6.930	6.916	6.902	6.888	6.874	6.860	6.846	6.832	6.818	6.804	6.790	6.776	6.762	6.748	6.734	6.720	6.706	6.692	6.678	6.664	6.650	6.636	6.622	6.608	6.594	6.580	6.566	6.552	6.538	6.524	6.510	6.496	6.482	6.468	6.454	6.440	6.426	6.412	6.398	6.384	6.370	6.356	6.342	6.328	6.314	6.300	6.286	6.272	6.258	6.244	6.230	6.216	6.202	6.188	6.174	6.160	6.146	6.132	6.118	6.104	6.090	6.076	6.062	6.048	6.034	6.020	6.006	5.992	5.978	5.964	5.950	5.936	5.922	5.908	5.894	5.880	5.866	5.852	5.838	5.824	5.810	5.796	5.782	5.768	5.754	5.740	5.726	5.712	5.698	5.684	5.670	5.656	5.642	5.628	5.614	5.600	5.586	5.572	5.558	5.544	5.530	5.516	5.502	5.488	5.474	5.460	5.446	5.432	5.418	5.404	5.390	5.376	5.362	5.348	5.334	5.320	5.306	5.292	5.278	5.264	5.250	5.236	5.222	5.208	5.194	5.180	5.166	5.152	5.138	5.124	5.110	5.096	5.082	5.068	5.054	5.040	5.026	5.012	5.000	4.986	4.972	4.958	4.944	4.930	4.916	4.902	4.888	4.874	4.860	4.846	4.832	4.818	4.804	4.790	4.776	4.762	4.748	4.734	4.720	4.706	4.692	4.678	4.664	4.650	4.636	4.622	4.608	4.594	4.580	4.566	4.552	4.538	4.524	4.510	4.496	4.482	4.468	4.454	4.440	4.426	4.412	4.398	4.384	4.370	4.356	4.342	4.328	4.314	4.300	4.286	4.272	4.258	4.244	4.230	4.216	4.202	4.188	4.174	4.160	4.146	4.132	4.118	4.104	4.090	4.076	4.062	4.048	4.034	4.020	4.006	3.992	3.978	3.964	3.950	3.936	3.922	3.908	3.894	3.880	3.866	3.852	3.838	3.824	3.810	3.796	3.782	3.768	3.754	3.740	3.726	3.712	3.698	3.684	3.670	3.656	3.642	3.628	3.614	3.600	3.586	3.572	3.558	3.544	3.530	3.516	3.502	3.488	3.474	3.460	3.446	3.432	3.418	3.404	3.390	3.376	3.362	3.348	3.334	3.320	3.306	3.292	3.278	3.264	3.250	3.236	3.222	3.208	3.194	3.180	3.166	3.152	3.138	3.124	3.110	3.096	3.082	3.068	3.054	3.040	3.026	3.012	3.000	2.986	2.972	2.958	2.944	2.930	2.916	2.902	2.888	2.874	2.860	2.846	2.832	2.818	2.804	2.790	2.776	2.762	2.748	2.734	2.720	2.706	2.692	2.678	2.664	2.650	2.636	2.622	2.608	2.594	2.580	2.566	2.552	2.538	2.524	2.510	2.496	2.482	2.468	2.454	2.440	2.426	2.412	2.398	2.384	2.370	2.356	2.342	2.328	2.314	2.300	2.286	2.272	2.258	2.244	2.230	2.216	2.202	2.188	2.174	2.160	2.146	2.132	2.118	2.104	2.090	2.076	2.062	2.048	2.034	2.020	2.006	2.000	1.994	1.988	1.982	1.976	1.970	1.964	1.958	1.952	1.946	1.940	1.934	1.928	1.922	1.916	1.910	1.904	1.898	1.892	1.886	1.880	1.874	1.868	1.862	1.856	1.850	1.844	1.838	1.832	1.826	1.820	1.814	1.808	1.802	1.796	1.790	1.784	1.778	1.772	1.766	1.760	1.754	1.748	1.742	1.736	1.730	1.724	1.718	1.712	1.706	1.700	1.694	1.688	1.682	1.676	1.670	1.664	1.658	1.652	1.646	1.640	1.634	1.628	1.622	1.616	1.610	1.604	1.598	1.592	1.586	1.580	1.574	1.568	1.562	1.556	1.550	1.544	1.538	1.532	1.526	1.520	1.514	1.508	1.502	1.496	1.490	1.484	1.478	1.472	1.466	1.460	1.454	1.448	1.442	1.436	1.430	1.424	1.418	1.412	1.406	1.400	1.394	1.388	1.382	1.376	1.370	1.364	1.358	1.352	1.346	1.340	1.334	1.328	1.322	1.316	1.310	1.304	1.298	1.292	1.286	1.280	1.274	1.268	1.262	1.256	1.250	1.244	1.238	1.232	1.226	1.220	1.214	1.208	1.202	1.196	1.190	1.184	1.178	1.172	1.166	1.160	1.154	1.148	1.142	1.136	1.130	1.124	1.118	1.112	1.106	1.100	1.094	1.088	1.082	1.076	1.070	1.064	1.058	1.052	1.046	1.040	1.034	1.028	1.022	1.016	1.010	1.004	1.000	0.994	0.988	0.982	0.976	0.970	0.964	0.958	0.952	0.946	0.940	0.934	0.928	0.922	0.916	0.910	0.904	0.898	0.892	0.886	0.880	0.874	0.868	0.862	0.856	0.850	0.844	0.838	0.832	0.826	0.820	0.814	0.808	0.802	0.796	0.790	0.784	0.778	0.772	0.766	0.760	0.754	0.748	0.742	0.736	0.730	0.724	0.718	0.712	0.706	0.700	0.694	0.688	0.682	0.676	0.670	0.664	0.658	0.652	0.646	0.640	0.634	0.628	0.622	0.616	0.610	0.604	0.598	0.592	0.586	0.580	0.574	0.568	0.562	0.556	0.550	0.544	0.538	0.532	0.526	0.520	0.514	0.508	0.502	0.496	0.490	0.484	0.478	0.472	0.466	0.460	0.454	0.448	0.442	0.436	0.430	0.424	0.418	0.412	0.406	0.400	0.394	0.388	0.382	0.376	0.370	0.364	0.358	0.352	0.346	0.340	0.334	0.328	0.322	0.316	0.310	0.304	0.298	0.292	0.286	0.280	0.274	0.268	0.262	0.256	0.250	0.244	0.238	0.232	0.226	0.220	0.214	0.208	0.202	0.196	0.190	0.184	0.178	0.172	0.166	0.160	0.154	0.148	0.142	0.136	0.130	0.124	0.118	0.112	0.106	0.100	0.094	0.088	0.082	0.076	0.070	0.064	0.058	0.052	0.046	0.040	0.034	0.028	0.022	0.016	0.010	0.004	0.000	-0.004	-0.008	-0.012	-0.016	-0.020	-0.024	-0.028	-0.032	-0.036	-0.040	-0.044	-0.048	-0.052	-0.056	-0.060	-0.064	-0.068	-0.072	-0.076	-0.080	-0.084	-0.088	-0.092	-0.096	-0.100	-0.104	-0.108	-0.112	-0.116	-0.120	-0.124	-0.128	-0.132	-0.136	-0.140	-0.144	-0.148	-0.152	-0.156	-0.160	-0.164	-0.168	-0.172	-0.176	-0.180	-0.184	-0.188	-0.192	-0.196	-0.200	-0.204	-0.208	-0.212	-0.216	-0.220	-0.224	-0.228	-0.232	-0.236	-0.240	-0.244	-0.248	-0.252	-0.256	-0.260	-0.264	-0.268	-0.272	-0.276	-0.280	-0.284	-0.288	-0.292	-0.296	-0.300	-0.304	-0.308	-0.312	-0.316	-0.320	-0.324	-0.328	-0.332	-0.336	-0.340	-0.344	-0.348	-0.352	-0.356	-0.360	-0.364	-0.368	-0.372	-0.376	-0.380	-0.384	-0.388	-0.392	-0.396	-0.400	-0.404	-0.408	-0.412	-0.416	-0.420	-0.424	-0.428	-0.432	-0.436	-0.440	-0.444	-0.448	-0.452	-0.456	-0.460	-0.464	-0.468	-0.472	-0.476	-0.480	-0.484	-0.488	-0.492	-0.496	-0.500	-0.504	-0.508	-0.512	-0.516	-0.520	-0.524	-0.528	-0.532	-0.536	-0.540	-0.544	-0.548	-0.552	-0.556	-0.560	-0.564	-0.568	-0.572	-0.576	-0.580	-0.584	-0.588	-0.592	-0.596	-0.600	-0.604	-0.608	-0.612	-0.616	-0.620	-0.624	-0.628	-0.632	-0.636	-0.640	-0.644	-0.648	-0.652	-0.656	-0.660	-0.664	-0.668	-0.672	-0.676	-0.680	-0.684	-0.688	-0.692	-0.696	-0.700	-0.704	-0.708	-0.712	-0.716	-0.720	-0.724	-0.728	-0.732	-0.736	-0.740	-0.744	-0.748	-0.752	-0.756	-0.760	-0.764	-0.768	-0.772	-0.776	-0.780	-0.784	-0.788	-0.792	-0.796	-0.800	-0.804	-0.808	-0.812	-0.816	-0.820	-0.824	-0.828	-0.832	-0.836	-0.840	-0.844	-0.848	-0.852	-0.856	-0.860	-0.864	-0.868	-0.872	-0.876	-0.880	-0.884	-0.888	-0.892	-0.896	-0.900	-0.904	-0.908	-0.912	-0.916	-0.920	-0.924	-0.928	-0.932	-0.936	-0.940	-0.944	-0.948	-0.952	-0.956	-0.960	-0.964	-0.968	-0.972	-0.976	-0.980	-0.984	-0.988	-0.992	-0.996	-1.000	-1.004	-1.008	-1.012	-1.016	-1.020	-1.024	-1.028	-1.032	-1.036	-1.040	-1.044	-1.048	-1.052	-1.056	-1.060	-1.064	-1.068	-1.072	-1.076	-1.080	-1.084	-1.088	-1.092	-1.096	-1.100	-1.104	-1.108	-1.112	-1.116	-1.120	-1.124	-1.128	-1.132	-1.136	-1.140	-1.144	-1.148	-1.152	-1.156	-1.160	-1.164	-1.168	-1.172	-1.176	-1.180	-1.184	-1.188	-1.192	-1.196	-1.200	-1.204	-1.208	-1.212	-1.216	-1.220	-1.224	-1.228	-1.232	-1.236	-1.240	-1.244	-1.248	-1.252	-1.256	-1.260	-1.264	-1.268	-1.272	-1.276	-1.280	-1.284	-1.288	-1.292	-1.296	-1.300	-1.304	-1.308	-1.312	-1.316	-1.320	-1.324	-1.328	-1.332	-1.336	-1.340	-1.344	-1.348	-1.352	-1.356	-1.360	-1.364	-1.368	-1.372	-1.376	-1.380	-1.384	-1.388	-1.392	-1.396	-1.400	-1.404	-1.408	-1.412	-1.416	-1.420	-1.424	-1.428	-1.432	-1.436	-1.440	-1.444	-1.448	-1.452	-1.456	-1.460	-1.464	-1.468	-1.472	-1.476	-1.480	-1.484	-1.488	-1.492	-1.496	-1.500	-1.504	-1.508	-1.512	-1.516	-1.520	-1.524	-1.528	-1.532	-1.536	-1.540	-1.544	-1.548	-1.552	-1.556	-1.560	-1.564	-1.568	-1.572	-1.576	-1.580	-1.584	-1.588	-1.592	-1.596	-1.600	-1.604	-1.608	-1.612	-1.616	-1.620	-1.624
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Comparison with topographic survey concludes this risk of surface water flooding would not occur.

Post development this low point would be removed 'by design' therefore the risk of surface water flooding will not be shown in future EA mapping updates.

Comparison with topographic survey concludes this risk of surface water flooding would not occur.

Post development this low point would be removed 'by design' therefore the risk of surface water flooding will not be shown in future EA mapping updates.

Comparison with topographic survey concludes this risk of surface water flooding aligns with existing watercourse.

Post development this low point would be removed 'by design' therefore the risk of surface water flooding will not be shown in future EA mapping updates.

-EXISTING SITE KEY-

Existing Spot Level

Existing Contour (Primary)

Existing Contour (Secondary)

Overland Flow Arrow

Site Low Point

Contours are only as accurate as the initial land survey information. Contours are approximate only and spot levels may vary slightly on site.

-LAND BOUNDARY KEY-

Site Boundary/Ownership

NOTES

A3

1. This drawing is to be read in conjunction with all other BP Civils drawings, and with all relevant Architect's and Engineer's drawings and specification. Any discrepancies found are to be reported immediately to the Engineer.
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P01	20/05/26	Red application boundary updated
-	13/10/25	Original Issue

Rev.	Date	Amendments

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Drawing Status

FOR INFORMATION

NOT FOR CONSTRUCTION

Client

Lucken Beck

Project

Sunnyside, Yapton Road, Barnham

Drawing Title

Surface Water Flood Map

Scale at A3	Date	Drawn By	Checked By	Project No.
1:2000	Sep. '25	SPB	MJA	D2298

Drawing No.	Rev.
SK30	P01