

OVERLAND FLOW ROUTE LEGEND



OVERLAND FLOW ARROW

NOTES

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GENERAL NOTES

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- ANY DISCREPANCIES BETWEEN THIS DRAWING AND OTHER INFORMATION IS TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF THE WORKS ON SITE.
- THE MAIN CONTRACTOR SHALL BE RESPONSIBLE FOR THE SETTING OUT AND ACCURACY OF ALL DIMENSIONS.
- THE CONTRACTOR IS TO ENSURE THE STABILITY AND STRUCTURAL INTEGRITY OF THE EXISTING PROPERTY AT ALL TIMES DURING WORKS AND IS TO BE RESPONSIBLE FOR ALL PROPPING AND SHORING AS REQUIRED.
- MAIN CONTRACTOR TO PROVIDE AND FIX SUITABLE BRACING AND PROPPING FOR ALL ELEMENTS IN THE TEMPORARY CONDITION DURING CONSTRUCTION STAGE, SUCH AS TO ENSURE STRUCTURE STABILITY AT ALL TIMES.
- IT IS THE CONTRACTORS SOLE RESPONSIBILITY FOR ASCERTAINING SAFE DISPOSAL OF ANY OFF-SITE EXCAVATED SPOIL. NO CLAIM RESULTING FROM ABNORMAL TIP REQUIREMENTS WILL BE ENTERTAINED.

DRAINAGE NOTES

- REFER TO DRAWING 17100-AAL-XX-XX-T-C-5199 FOR COMPREHENSIVE DRAINAGE NOTES.

KEY TO HEALTH AND SAFETY SYMBOLS

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING



INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION



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INDICATES A RESIDUAL RISK FOR INFORMATION

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DETAILED DRAINAGE DESIGN BASED ON STAGE 3 SUBSTRUCTURE DESIGN. DRAINAGE TO BE REVIEWED ONCE FINALISED PILE LOCATIONS AND SUBSTRUCTURE LAYOUTS CONFIRMED.

RWP/SVP LOCATIONS SUBJECT TO BE REVIEWED ONCE FINALISED ARCHITECTURAL LAYOUTS CONFIRMED.

P06	31.07.2026	STAGE 4 DESIGN	TA
P05	12.09.2025	DISCHARGE RATE REDUCED	TA
P04	23.06.2025	LLFA AND SW COMMENTS ADDRESSED	TA
P03	07.02.2025	RPA COORDINATION	TA
P02	31.01.2025	SITE PLAN UPDATED	TA
P01	20.12.2024	PRELIMINARY ISSUE FOR COMMENT	TA
Rev.	Date	Description	By



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Architect

HGP ARCHITECTS

Project title

PHASE 3, NORVARTIS SITE,
HORSHAM, WEST SUSSEX.

Drawing title

DRAINAGE,
OVERLAND FLOW ROUTE PLAN.

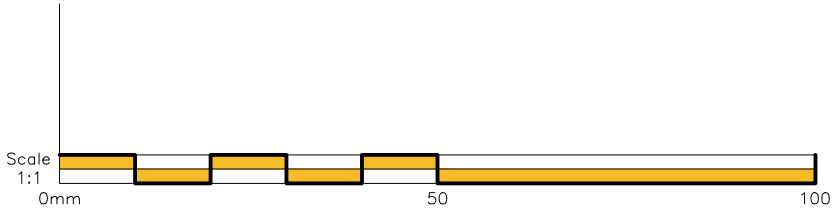
Scale	Paper size	Date	Drawn by	Checked by	Status
1:750	A1	DEC 2024	TA	CH	S3

Name

Project code

17100 -AAL- XX - XX - D - C-5106-P06

ADOPTABLE SURFACE WATER MANHOLE TABLE									
REF	EASTING	NORTHING	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT LEVEL	SIZE	TYPE	COVER RATING	COMMENTS
S1	517877.897	131655.146	55.783	54.259	1.524	2400	FLOW CONTROL MANHOLE	D400	HYDRO-BRAKE OPTIMUM, UNIT REF. CTL-SHE-0314-6000-1387-6000 SUPPLIED BY HYDRO INTERNATIONAL TO RESTRICT FLOW RATE TO 60.0l/s WITH DESIGN HEAD AT 1.387m
S2	517898.278	131672.796	56.380	54.314	2.066	1800	FLOW CONTROL MANHOLE	D400	HYDRO-BRAKE OPTIMUM, UNIT REF. CTL-SHE-0188-2000-1734-2000 SUPPLIED BY HYDRO INTERNATIONAL TO RESTRICT FLOW RATE TO 20.0l/s WITH DESIGN HEAD AT 1.734m
S3	517916.467	131697.466	56.605	54.329	2.276	1500	TYPE B	D400	300mm SUMP
S4	517932.649	131719.413	57.025	54.400	2.625	1500	TYPE B	D400	
S5	517976.716	131686.922	57.269	54.719	2.551	1200	TYPE B	D400	
S6	518033.328	131737.721	58.098	55.104	2.993	1200	TYPE B	D400	
S7	518039.652	131758.335	58.328	56.603	1.725	1200	TYPE B	D400	
S8	517953.612	131693.218	57.378	55.884	1.494	600	TYPE D	D400	
S9	517964.948	131763.220	57.602	54.787	2.815	1350	TYPE B	D400	300mm SUMP
S10	517974.176	131775.736	57.798	55.776	2.022	1200	TYPE B	D400	
S11	517979.294	131792.416	58.005	55.847	2.158	1200	TYPE B	D400	
S12	518020.938	131779.639	58.311	56.178	2.133	1200	TYPE B	D400	
S13	517950.194	131801.344	57.829	56.101	1.728	1200	TYPE B	D400	
S14	517880.595	131757.793	56.328	54.889	1.440	1350	TYPE C	D400	
S15	517908.190	131795.187	57.385	55.585	1.800	1200	TYPE B	D400	
S16	517904.423	131624.573	56.066	54.649	1.417	1350	TYPE C	D400	
S17	517935.991	131645.548	57.160	54.804	2.356	1500	FLOW CONTROL MANHOLE	D400	HYDRO-BRAKE OPTIMUM, UNIT REF. CTL-SHE-0115-8200-2265-8200 SUPPLIED BY HYDRO INTERNATIONAL TO RESTRICT FLOW RATE TO 8.2l/s WITH DESIGN HEAD AT 2.265m
S18	517942.048	131649.573	57.236	54.922	2.314	1200	TYPE B	D400	
S19	517965.671	131650.708	57.462	54.954	2.509	1200	TYPE B	D400	300mm SUMP
S20	518014.510	131653.054	57.179	55.255	1.924	1200	TYPE B	D400	300mm SUMP
S21	518031.924	131649.627	57.427	55.359	2.068	1200	TYPE B	D400	
S22	518023.651	131607.590	57.142	55.611	1.531	1350	TYPE C	D400	
S23	517959.969	131647.555	57.407	56.014	1.393	450	TYPE D	B125	300mm SUMP
S24	517864.466	131667.969	55.656	54.560	1.097	1350	TYPE C	D400	
S25	517858.513	131679.298	55.682	54.612	1.070	1350	TYPE C	D400	
S26	517851.964	131720.069	56.029	54.854	1.175	1200	FLOW CONTROL MANHOLE	D400	HYDRO-BRAKE OPTIMUM, UNIT REF. CTL-SHE-0125-7000-0935-7000 SUPPLIED BY HYDRO INTERNATIONAL TO RESTRICT FLOW RATE TO 7.0l/s WITH DESIGN HEAD AT 0.935m
S27	517853.359	131713.350	56.175	54.894	1.281	600	TYPE D	A15	
S28	517846.382	131711.141	55.939	55.006	0.933	450	TYPE D	D400	
S29	517936.277	131572.973	56.253	54.880	1.373	1350	TYPE C	A15	HYDRO-BRAKE OPTIMUM, UNIT REF. CTL-SHE-0205-2150-1021-2150 SUPPLIED BY HYDRO INTERNATIONAL TO RESTRICT FLOW RATE TO 21.5l/s WITH DESIGN HEAD AT 1.021m
S30	517955.179	131543.587	56.544	55.273	1.270	1350	TYPE C	B125	
S31	517983.529	131561.822	57.047	55.566	1.480	1350	TYPE C	D400	
S32	517980.886	131616.837	57.411	55.866	1.545	1350	TYPE C	D400	
S33	517948.346	131584.693	56.565	55.231	1.335	1350	TYPE D	C250	
S34	517997.742	131554.501	57.300	55.951	1.350	450	TYPE D	D400	



P01	31.07.2026	STAGE 4 DESIGN	TA
Rev.	Date	Description	By



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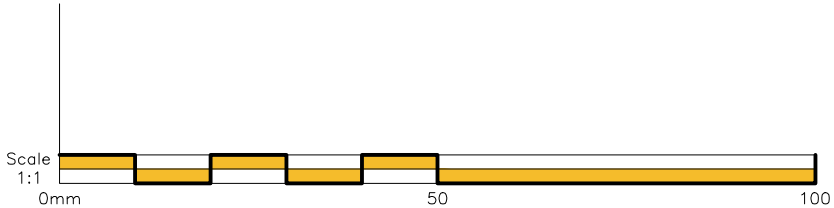
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Architect
HGP ARCHITECTS

Project title
PHASE 3, NORVARTIS SITE,
HORSHAM, WEST SUSSEX.

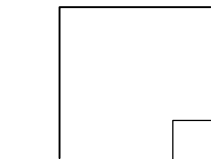
Drawing title
SURFACE WATER MANHOLE SCHEDULE,
SHEET 1.

Scale	Paper size	Date	Drawn by	Checked by	Status
NTS	A1	JUL 2026	TA	CH	S3
Name					
Project code	Originator	Functional breakdown	Spatial breakdown	Form	Issues
17100	-AAL-	XX	-XX-	D	C-5110-P01



PRIVATE SURFACE WATER MANHOLE TABLE									
REF	EASTING	NORTHING	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT LEVEL	SIZE	TYPE	COVER RATING	COMMENTS
S1.01	517886.555	131655.451	56.053	55.153	0.900	450	TYPE D	A15	
S1.02	517877.871	131663.983	56.001	55.101	0.900	450	TYPE D	A15	
S1.03	517885.140	131671.575	56.112	55.212	0.900	450	TYPE D	A15	
S1.04	517894.566	131645.627	56.110	55.198	0.912	450	TYPE D	B125	
S1.05	517902.947	131652.899	56.209	55.309	0.900	450	TYPE D	B125	
S2.01	517915.376	131663.255	56.610	55.228	1.382	450	TYPE D	A15	
S2.02	517910.626	131674.119	56.721	55.514	1.207	450	TYPE D	A15	300mm SUMP
S2.03	517913.758	131678.367	56.744	55.514	1.230	450	TYPE D	A15	300mm SUMP
S2.04	517895.974	131684.921	56.583	55.482	1.101	450	TYPE D	B125	300mm SUMP
S2.05	517888.565	131683.023	56.619	55.599	1.020	450	TYPE D	A15	
S2.06	517880.889	131688.683	56.594	55.694	0.900	450	TYPE D	A15	
S2.07	517898.810	131695.945	56.816	55.225	1.591	450	TYPE D	A15	300mm SUMP
S2.08	517908.593	131696.025	56.689	55.487	1.203	450	TYPE D	A15	300mm SUMP
S2.09	517894.153	131706.672	56.724	55.824	0.900	450	TYPE D	A15	
S2.10	517914.968	131691.325	56.613	55.486	1.127	450	TYPE D	A15	300mm SUMP
S2.11	517928.640	131681.245	56.790	55.890	0.900	450	TYPE D	A15	
S3.01	517920.563	131694.460	56.764	55.262	1.502	450	TYPE D	A15	
S3.02	517915.055	131707.356	56.893	55.993	0.900	450	TYPE D	A15	
S3.03	517922.371	131717.706	56.977	56.009	0.968	450	TYPE D	A15	
S3.04	517909.797	131727.018	56.809	56.209	0.600	450	TYPE D	A15	
S3.05	517932.706	131710.123	57.086	56.486	0.600	450	TYPE D	A15	
S3.06	517947.023	131699.563	57.248	56.648	0.600	450	TYPE D	A15	
S4.01	517939.500	131719.732	57.247	55.511	1.737	450	TYPE D	A15	
S4.02	517953.988	131709.016	57.494	56.894	0.600	450	TYPE D	A15	
S4.03	517964.478	131707.955	57.518	56.380	1.138	600	FLOW CONTROL MANHOLE	C250	27mm ORIFICE PLATE
S4.04	517968.980	131711.838	57.449	56.649	0.800	450	TYPE D	C250	300mm SUMP
S4.05	517977.437	131708.910	57.480	56.580	0.900	450	TYPE D	A15	300mm SUMP
S4.06	517983.979	131717.791	57.571	56.771	0.800	450	TYPE D	A15	300mm SUMP
S4.07	517986.996	131729.663	57.527	56.615	0.913	450	TYPE D	A15	300mm SUMP
S4.08	517991.104	131733.349	57.792	56.670	1.122	450	TYPE D	A15	
S4.09	518006.007	131716.741	57.793	56.893	0.900	450	TYPE D	A15	
S4.10	518005.370	131722.619	57.861	56.961	0.900	450	TYPE D	B125	
S4.11	517963.719	131701.218	57.493	56.593	0.900	450	TYPE D	A15	
S4.12	517937.734	131737.316	57.236	56.336	0.900	450	TYPE D	A15	
S4.13	517941.111	131750.644	57.574	56.674	0.900	450	TYPE D	A15	
S4.14	517931.693	131757.587	57.780	56.880	0.900	450	TYPE D	A15	
S4.15	517957.509	131738.550	57.563	56.663	0.900	450	TYPE D	A15	
S4.16	517966.143	131732.187	57.762	56.862	0.900	450	TYPE D	A15	
S4.17	517946.387	131760.672	57.790	56.072	1.718	450	TYPE D	A15	300mm SUMP
S4.18	517949.520	131764.920	57.792	56.072	1.721	450	TYPE D	A15	300mm SUMP
S4.19	517960.642	131764.159	57.695	55.872	1.824	450	TYPE D	A15	300mm SUMP
S4.20	517945.027	131775.672	57.793	56.893	0.900	450	TYPE D	A15	
S4.21	517965.572	131760.524	57.685	55.872	1.813	450	TYPE D	A15	300mm SUMP
S4.22	517979.477	131750.272	57.779	56.879	0.900	450	TYPE D	A15	
S4.23	517928.840	131727.264	57.155	56.174	0.981	450	TYPE D	A15	
S4.24	517916.621	131736.273	56.974	56.374	0.600	450	TYPE D	A15	
S4.25	517899.577	131730.924	56.602	55.219	1.383	450	TYPE D	C250	
S4.26	517894.067	131723.451	56.604	55.310	1.294	600	FLOW CONTROL MANHOLE	C250	27mm ORIFICE PLATE
S4.27	517890.062	131723.304	56.551	55.751	0.800	450	TYPE D	A15	300mm SUMP
S4.28	517878.176	131721.192	56.338	55.538	0.800	450	TYPE D	A15	300mm SUMP
S4.29	517873.135	131714.093	56.305	55.505	0.800	450	TYPE D	A15	300mm SUMP
S4.30	517910.158	131745.275	56.788	55.626	1.162	450	TYPE D	C250	
S4.31	517915.550	131752.588	56.708	55.715	0.993	600	FLOW CONTROL MANHOLE	C250	27mm ORIFICE PLATE
S4.32	517921.979	131747.593	57.016	56.216	0.800	450	TYPE D	A15	300mm SUMP
S4.33	517914.977	131757.052	56.787	55.987	0.800	450	TYPE D	C250	300mm SUMP
S4.34	517913.122	131768.601	56.695	55.895	0.800	450	TYPE D	A15	300mm SUMP
S4.35	517918.741	131775.210	57.370	56.470	0.900	450	TYPE D	A15	300mm SUMP
S4.36	517898.782	131735.125	56.678	55.229	1.449	450	TYPE D	A15	
S4.37	517905.745	131744.462	56.806	55.417	1.390	450	TYPE D	A15	
S5.01	517983.361	131685.337	57.267	56.667	0.600	450	TYPE D	A15	

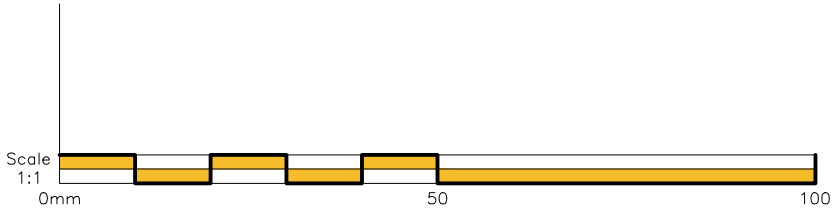
PRIVATE SURFACE WATER MANHOLE TABLE									
REF	EASTING	NORTHING	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT LEVEL	SIZE	TYPE	COVER RATING	COMMENTS
S5.02	518003.839	131703.739	57.525	56.925	0.600	450	TYPE D	A15	
S5.03	518021.479	131731.882	58.011	56.949	1.062	450	TYPE D	A15	
S5.04	518010.416	131744.209	58.015	57.115	0.900	450	TYPE D	A15	
S6.01	518031.929	131747.481	58.356	57.354	1.002	450	TYPE D	A15	
S6.02	518022.777	131750.289	58.350	57.450	0.900	450	TYPE D	A15	
S7.01	518037.757	131768.572	58.494	57.501	0.993	450	TYPE D	A15	
S7.02	518029.193	131771.200	58.491	57.591	0.900	450	TYPE D	A15	
S8.01	517950.879	131689.510	57.288	55.930	1.358	600	FLOW CONTROL MANHOLE	C250	27mm ORIFICE PLATE
S8.02	517946.115	131677.305	57.285	56.244	1.041	450	TYPE D	A15	300mm SUMP
S8.03	517956.238	131691.035	57.378	56.415	0.963	450	TYPE D	A15	
S8.04	517970.576	131680.464	57.574	56.593	0.981	450	TYPE D	A15	
S8.05	517953.625	131658.699	57.640	56.840	0.800	450	TYPE D	A15	300mm SUMP
S9.01	517965.680	131774.758	57.850	56.117	1.733	450	TYPE D	A15	
S9.02	517975.006	131767.882	57.829	56.929	0.900	450	TYPE D	A15	
S10.01	517979.499	131778.062	57.972	56.557	1.415	450	TYPE D	A15	
S11.01	517995.350	131783.097	58.278	57.378	0.900	450	TYPE D	B125	
S11.02	518001.581	131783.130	58.307	56.791	1.516	600	TYPE D	C250	
S11.03	517998.393	131772.741	58.137	56.900	1.237	600	FLOW CONTROL MANHOLE	C250	27mm ORIFICE PLATE
S11.04	518004.244	131770.659	58.299	57.499	0.800	450	TYPE D	A15	300mm SUMP
S12.01	518021.305	131776.870	58.417	56.652	1.765	450	TYPE D	A15	
S13.01	517939.168	131787.814	57.664	56.664	1.000	600	TYPE D	C250	
S15.01	517914.684	131793.442	57.678	56.407	1.271	450	TYPE D	A15	
S16.01	517915.351	131608.135	56.190	55.046	1.144	450	TYPE D	D400	
S16.02	517929.627	131617.625	56.544	55.644	0.900	450	TYPE D	A15	
S16.03	517915.711	131638.721	56.774	55.874	0.900	450	TYPE D	A15	
S16.04	517923.012	131645.728	56.989	56.089	0.900	450	TYPE D	A15	
S17.01	517942.495	131635.759	57.080	56.115	0.965	600	FLOW CONTROL MANHOLE	C250	27mm ORIFICE PLATE
S17.02	517933.557	131630.220	56.843	56.043	0.800	450	TYPE D	A15	300mm SUMP
S19.01	517972.573	131644.473	57.753	56.853	0.900	450	TYPE D	A15	
S19.02	517983.669	131643.822	57.672	56.872	0.800	450	TYPE D	A15	
S19.03	517995.509	131648.153	57.214	56.314	0.900	450	TYPE D	A15	
S19.04	518006.611	131658.347	57.351	55.775	1.576	450	TYPE D	A15	300mm SUMP
S19.05	518006.143	131668.108	57.430	56.530	0.900	450	TYPE D	D400	
S20.01	518017.278	131648.188	57.374	55.940	1.434	450	TYPE D	A15	
S21.01	518022.472	131616.538	57.231	56.331	0.900	450	TYPE D	A15	
S24.01	517866.219	131675.737	55.882	54.982	0.900	450	TYPE D	A15	
S25.01	517867.062	131688.512	56.045	54.997	1.049	450	TYPE D	C250	
S27.01	517851.454	131703.261	55.957	55.044	0.913	450	TYPE D	A15	300mm SUMP
S27.02	517845.307	131692.706	55.909	55.166	0.743	450	TYPE D	A15	
S27.03	517854.325	131712.637	56.207	55.330	0.877	450	TYPE D	A15	300mm SUMP
S27.04	517862.752	131706.424	56.335	55.435	0.900	450	TYPE D	A15	
S29.01	517941.445	131571.514	56.350	55.591	0.759	450	TYPE D	A15	
S29.02	517933.716	131588.154	56.675	55.775	0.900	450	TYPE D	A15	
S29.03	517944.509	131595.329	56.856	55.956	0.900	450	TYPE D	A15	
S30.01	517961.705	131553.672	56.708	55.808	0.900	450	TYPE D	B125	
S30.02	517976.298	131566.865	57.087	56.187	0.900	450	TYPE D	A15	
S31.01	517987.405	131588.808	57.435	55.976	1.459	450	TYPE D	C250	
S31.02	517997.962	131589.315	57.239	56.075	1.164	600	FLOW CONTROL MANHOLE	C250	27mm ORIFICE PLATE
S31.03	518000.102	131583.969	57.434	56.534	0.900	450	TYPE D	A15	300mm SUMP
S31.04	518011.675	131577.262	57.510	56.610	0.900	450	TYPE D	A15	300mm SUMP
S31.05	518020.452	131574.743	57.746	56.683	1.063	450	TYPE D	A15	300mm SUMP
S31.06	518011.829	131553.819	57.616	56.916	0.700	450	TYPE D	A15	
S31.07	517974.814	131596.387	57.253	56.300	0.954	450	TYPE D	A15	
S31.08	517973.880	131616.228	57.468	56.868	0.600	450	TYPE D	A15	
S31.09	517962.307	131595.786	57.325	56.425	0.900	450	TYPE D	A15	
S31.10	517986.312	131596.999	57.465	56.565	0.900	450	TYPE D	A15	
S31.11	517985.411	131615.774	57.606	57.006	0.600	450	TYPE D	A15	
S32.01	517996.477	131617.586	57.571	56.671	0.900	450	TYPE D	A15	
S32.02	517986.234	131621.940	57.586	56.300	1.286	600	FLOW CONTROL MANHOLE	C250	27mm ORIFICE PLATE
S32.03	517996.003	131629.930	57.700	57.000	0.700	450	TYPE D	A15	300mm SUMP



ADOPTABLE FOUL WATER MANHOLE TABLE									
REF	EASTING	NORTHING	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT LEVEL	SIZE	TYPE	COVER RATING	COMMENTS
A-F1	517929.253	131836.435	59.600	55.140	4.460	1200	TYPE A	D400	
A-F2	517923.824	131821.747	58.942	55.244	3.698	1200	TYPE A	D400	
A-F3	517930.607	131808.660	58.315	55.343	2.972	1200	TYPE B	A15	
A-F4	517977.866	131794.161	58.018	55.672	2.346	1200	TYPE B	D400	
A-F5	518040.670	131774.893	58.479	56.110	2.370	1200	TYPE B	D400	
A-F6	518044.495	131767.036	58.460	56.168	2.292	1200	TYPE B	D400	
A-F7	518035.259	131736.931	58.201	56.378	1.824	1200	TYPE B	D400	
A-F8	518026.774	131729.317	57.968	56.454	1.514	1350	TYPE C	D400	
A-F9	517972.141	131775.503	57.760	55.802	1.958	1200	TYPE B	D400	
A-F10	517961.332	131760.843	57.557	55.923	1.634	1350	TYPE C	D400	
A-F11	518033.781	131651.300	57.479	52.626	4.853	1200	TYPE A	D400	
A-F12	518014.657	131655.063	57.228	52.756	4.472	1200	TYPE A	D400	
A-F13	517977.634	131653.285	57.505	53.003	4.502	1200	TYPE A	D400	
A-F14	517942.374	131651.591	57.207	53.238	3.970	1200	TYPE A	D400	
A-F15	517907.682	131628.539	56.210	53.515	2.696	1200	TYPE B	D400	
A-F16	517902.543	131629.002	56.067	53.549	2.519	1200	TYPE B	D400	
A-F17	517878.099	131657.967	55.817	53.801	2.016	1200	TYPE B	D400	
A-F18	517856.883	131677.530	55.622	53.993	1.629	1350	TYPE C	D400	
A-F19	518032.165	131643.086	57.423	53.722	3.701	1200	TYPE A	D400	
A-F20	518027.143	131617.567	57.250	55.823	1.427	1350	TYPE C	D400	
A-F21	517976.163	131683.904	57.319	53.688	3.631	1200	TYPE A	D400	
A-F22	517956.180	131698.638	57.283	53.853	3.430	1200	TYPE A	D400	
A-F23	517929.403	131718.381	56.925	54.075	2.850	1200	TYPE B	D400	
A-F24	517902.963	131737.875	56.572	54.486	2.086	1200	TYPE B	D400	
A-F25	517979.456	131615.345	57.364	54.829	2.535	1200	TYPE B	D400	
A-F26	517980.794	131587.489	57.170	55.015	2.155	1200	TYPE B	D400	
A-F27	517981.841	131565.701	57.019	55.160	1.859	1200	TYPE B	D400	
A-F28	517892.767	131670.679	56.260	54.997	1.263	1350	TYPE C	D400	

NOTES

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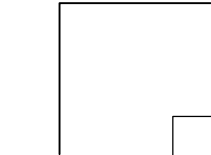
Client project code
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HGP ARCHITECTS

Project title
PHASE 3, NORVARTIS SITE,
HORSHAM, WEST SUSSEX.

Drawing title
FOUL WATER MANHOLE SCHEDULE,
SHEET 1.

Scale NTS	Paper size A1	Date JUL 2026	Drawn by TA	Checked by CH	Status S3
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PRIVATE FOUL WATER MANHOLE TABLE									
REF	EASTING	NORTHING	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT LEVEL	SIZE	TYPE	COVER RATING	COMMENTS
P-F2.01	517921.321	131805.785	58.218	55.496	2.722	450	TYPE D	A15	
P-F2.02	517908.584	131788.510	57.412	55.764	1.648	450	TYPE D	A15	
P-F2.03	517909.821	131786.461	57.626	56.325	1.301	450	TYPE D	A15	
P-F2.04	517912.849	131790.567	57.667	56.325	1.342	450	TYPE D	A15	
P-F2.05	517912.177	131789.656	57.658	56.500	1.158	450	TYPE D	A15	
P-F2.06	517910.493	131787.372	57.641	56.500	1.141	450	TYPE D	A15	
P-F2.07	517929.032	131806.591	58.226	57.025	1.201	450	TYPE D	A15	
P-F3.01	517932.598	131807.186	58.268	55.499	2.769	450	TYPE D	A15	
P-F3.02	517938.766	131802.617	58.147	56.495	1.652	450	TYPE D	A15	
P-F3.03	517943.032	131799.457	57.996	56.561	1.435	450	TYPE D	A15	
P-F3.04	517947.229	131793.697	57.909	56.650	1.259	450	TYPE D	A15	
P-F3.05	517933.882	131804.238	58.178	56.850	1.328	450	TYPE D	A15	
P-F3.06	517935.522	131803.030	58.164	56.850	1.314	450	TYPE D	A15	
P-F3.07	517941.546	131798.056	57.939	56.850	1.089	450	TYPE D	A15	
P-F3.08	517971.162	131789.529	58.066	56.483	1.583	450	TYPE D	A15	
P-F3.09	517968.327	131780.288	57.985	56.725	1.260	450	TYPE D	A15	
P-F3.10	517969.703	131788.824	58.068	56.900	1.168	450	TYPE D	A15	
P-F3.11	517969.023	131785.454	58.063	56.725	1.338	450	TYPE D	A15	
P-F3.12	517968.351	131783.263	58.058	56.725	1.333	450	TYPE D	A15	
P-F4.01	517984.875	131788.708	58.162	57.075	1.087	450	TYPE D	A15	
P-F4.02	517987.697	131787.850	58.191	56.875	1.316	450	TYPE D	A15	
P-F4.03	517990.603	131786.959	58.213	56.875	1.338	450	TYPE D	A15	
P-F4.04	517993.421	131786.086	58.234	57.075	1.159	450	TYPE D	A15	
P-F4.05	517998.923	131781.807	58.355	57.100	1.255	450	TYPE D	A15	
P-F4.06	518007.192	131781.924	58.335	57.000	1.335	450	TYPE D	B125	
P-F4.07	518011.412	131780.567	58.368	57.275	1.093	450	TYPE D	A15	
P-F4.08	518014.234	131779.709	58.389	57.075	1.314	450	TYPE D	A15	
P-F4.09	518017.140	131778.817	58.411	57.075	1.336	450	TYPE D	A15	
P-F4.10	518019.958	131777.945	58.431	57.275	1.156	450	TYPE D	A15	
P-F5.01	518040.310	131767.304	58.501	56.768	1.733	450	TYPE D	A15	
P-F5.02	518035.634	131752.063	58.373	57.034	1.339	450	TYPE D	A15	
P-F5.03	518034.509	131751.467	58.388	57.050	1.338	450	TYPE D	A15	
P-F5.04	518038.955	131765.959	58.510	57.100	1.410	450	TYPE D	A15	
P-F5.05	518037.473	131761.128	58.469	57.100	1.369	450	TYPE D	A15	
P-F5.06	518035.991	131756.297	58.429	57.050	1.379	450	TYPE D	A15	
P-F7.01	518025.819	131737.286	58.175	56.945	1.230	450	TYPE D	A15	
P-F7.02	518025.052	131736.597	58.166	57.005	1.161	450	TYPE D	A15	
P-F8.01	518022.387	131734.206	58.098	56.945	1.153	450	TYPE D	A15	
P-F8.02	518018.384	131729.959	57.951	56.599	1.352	450	TYPE D	B125	
P-F8.03	518006.799	131722.591	57.860	56.771	1.090	450	TYPE D	B125	
P-F8.04	518002.990	131724.416	57.958	56.825	1.133	450	TYPE D	A15	
P-F8.05	518014.273	131734.540	57.969	56.825	1.144	450	TYPE D	A15	
P-F8.06	518010.512	131731.166	57.958	56.825	1.133	450	TYPE D	A15	
P-F8.07	518006.751	131727.791	57.971	56.825	1.146	450	TYPE D	A15	
P-F9.01	517972.676	131766.465	57.825	56.475	1.350	450	TYPE D	A15	
P-F9.02	517962.494	131772.394	57.835	56.500	1.335	450	TYPE D	A15	
P-F9.03	517959.495	131768.327	57.810	56.500	1.310	450	TYPE D	A15	
P-F9.04	517969.678	131762.398	57.806	56.475	1.331	450	TYPE D	A15	
P-F10.01	517966.835	131755.835	57.623	56.190	1.434	450	TYPE D	B125	
P-F10.02	517958.563	131744.616	57.506	56.364	1.142	450	TYPE D	B125	
P-F10.03	517959.294	131739.792	57.655	56.425	1.230	450	TYPE D	A15	
P-F10.04	517968.691	131752.537	57.771	56.425	1.346	450	TYPE D	A15	
P-F10.05	517965.559	131748.289	57.761	56.425	1.336	450	TYPE D	A15	
P-F10.06	517962.426	131744.040	57.753	56.425	1.328	450	TYPE D	A15	
P-F10.07	517951.499	131766.632	57.793	56.215	1.578	450	TYPE D	A15	
P-F10.08	517950.929	131765.858	57.804	56.227	1.577	450	TYPE D	A15	
P-F10.09	517947.796	131761.610	57.786	56.293	1.493	450	TYPE D	A15	
P-F10.10	517944.664	131757.362	57.773	56.359	1.414	450	TYPE D	A15	
P-F10.11	517941.532	131753.114	57.677	56.425	1.252	450	TYPE D	A15	
P-F12.01	518014.657	131667.745	57.431	55.951	1.480	450	TYPE D	A15	

PRIVATE FOUL WATER MANHOLE TABLE									
REF	EASTING	NORTHING	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT LEVEL	SIZE	TYPE	COVER RATING	COMMENTS
P-F12.02	517998.192	131674.802	57.359	56.175	1.184	450	TYPE D	A15	
P-F12.03	518014.988	131671.831	57.391	56.075	1.316	450	TYPE D	A15	
P-F13.01	517967.801	131657.118	57.590	55.936	1.654	450	TYPE D	A15	
P-F13.02	517950.070	131656.827	57.543	56.054	1.489	450	TYPE D	A15	
P-F13.03	517949.325	131672.483	57.540	56.300	1.240	450	TYPE D	A15	
P-F13.04	517965.427	131658.533	57.585	56.375	1.210	450	TYPE D	A15	
P-F13.05	517962.460	131658.391	57.580	56.425	1.155	450	TYPE D	A15	
P-F13.06	517953.520	131666.054	57.644	56.375	1.269	450	TYPE D	A15	
P-F13.07	517953.301	131670.625	57.632	56.375	1.257	450	TYPE D	A15	
P-F13.08	517970.898	131646.053	57.671	55.541	2.130	450	TYPE D	A15	
P-F13.09	517971.484	131633.302	57.637	56.360	1.277	450	TYPE D	A15	
P-F13.10	517970.339	131632.962	57.636	56.375	1.261	450	TYPE D	A15	
P-F13.11	517969.854	131643.056	57.692	56.375	1.317	450	TYPE D	A15	
P-F13.12	517970.097	131638.009	57.692	56.375	1.317	450	TYPE D	A15	
P-F13.13	517985.567	131643.812	57.693	56.375	1.318	450	TYPE D	A15	
P-F13.14	517984.881	131633.951	57.687	56.223	1.464	450	TYPE D	A15	
P-F13.15	517986.052	131633.718	57.660	56.375	1.285	450	TYPE D	A15	
P-F13.16	517985.810	131638.765	57.693	56.375	1.318	450	TYPE D	A15	
P-F13.17	517969.687	131626.162	57.436	56.300	1.136	450	TYPE D	B125	
P-F13.18	517987.199	131627.010	57.543	56.400	1.143	450	TYPE D	B125	
P-F14.01	517931.332	131650.992	57.147	55.950	1.197	450	TYPE D	B125	
P-F14.02	517935.091	131641.798	57.087	55.925	1.162	450	TYPE D	B125	
P-F14.03	517925.313	131646.763	57.227	55.975	1.252	450	TYPE D	A15	
P-F15.01	517908.871	131620.505	56.134	55.168	0.966	450	TYPE D	D400	
P-F15.02	517927.646	131592.261	56.652	55.507	1.145	450	TYPE D	A15	
P-F15.03	517932.992	131593.312	56.868	55.625	1.243	450	TYPE D	A15	
P-F15.04	517914.933	131620.479	56.444	54.885	1.559	450	TYPE D	A15	
P-F15.05	517914.429	131621.238	56.441	55.093	1.348	450	TYPE D	A15	
P-F15.06	517916.982	131617.397	56.448	54.911	1.538	450	TYPE D	A15	
P-F15.07	517917.486	131616.638	56.450	54.917	1.534	450	TYPE D	A15	
P-F15.08	517919.244	131613.198	56.409	54.948	1.461	450	TYPE D	A15	
P-F15.09	517922.689	131609.845	56.576	54.978	1.597	450	TYPE D	A15	
P-F15.10	517925.486	131605.637	56.638	55.214	1.424	450	TYPE D	A15	
P-F15.11	517927.947	131600.105	56.729	55.309	1.420	450	TYPE D	A15	
P-F15.12	517930.439	131597.153	56.874	55.362	1.512	450	TYPE D	A15	
P-F15.13	517930.944	131596.394	56.866	55.370	1.497	450	TYPE D	A15	
P-F15.14	517933.497	131592.553	56.860	55.650	1.210	450	TYPE D	A15	
P-F16.01	517903.161	131635.862	56.332	55.024	1.308	450	TYPE D	A15	
P-F16.02	517897.488	131642.902	56.242	55.137	1.105	450	TYPE D	A15	
P-F16.03	517898.306	131643.562	56.256	55.150	1.106	450	TYPE D	A15	
P-F16.04	517904.234	131636.302	56.393	55.032	1.361	450	TYPE D	A15	
P-F16.05	517903.691	131637.034	56.399	55.034	1.365	450	TYPE D	A15	
P-F16.06	517901.488	131640.008	56.389	55.150	1.239	450	TYPE D	A15	
P-F16.07	517900.946	131640.740	56.394	55.225	1.169	450	TYPE D	A15	
P-F16.08	517893.165	131649.518	56.158	54.875	1.283	450	TYPE D	A15	
P-F16.09	517889.858	131653.339	56.193	54.875	1.318	450	TYPE D	A15	
P-F17.01	517875.785	131667.085	55.993	54.675	1.318	450	TYPE D	A15	
P-F17.02	517872.081	131670.522	55.993	54.675	1.318	450	TYPE D	A15	
P-F17.03	517868.377	131673.959	55.955	54.675	1.280	450	TYPE D	A15	
P-F17.04	517863.343	131678.786	55.902	54.625	1.277	450	TYPE D	B125	
P-F18.01	517837.136	131699.742	55.984	54.415	1.569	450	TYPE D	A15	
P-F18.02	517846.176	131712.003	55.960	54.605	1.355	450	TYPE D	D400	
P-F18.03	517854.342	131714.937	56.192	54.713	1.479	450	TYPE D	A15	
P-F18.04	517864.966	131729.342	56.265	55.011	1.254	450	TYPE D	A15	
P-F18.05	517866.663	131731.644	56.288	55.047	1.241	450	TYPE D	A15	
P-F18.06	517867.993	131733.447	56.307	55.075	1.232	450	TYPE D	A15	
P-F18.07	517857.740	131683.469	55.892	54.650	1.242	450	TYPE D	A15	
P-F18.08	517851.249	131689.115	55.959	54.750	1.209	450	TYPE D	A15	
P-F18.09	517851.983	131688.575	55.948	54.750	1.198	450	TYPE D	A15	
P-F18.10	517847.537	131691.852	55.925	54.750	1.175	450	TYPE D	A15	

PRIVATE FOUL WATER MANHOLE TABLE									
REF	EASTING	NORTHING	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT LEVEL	SIZE	TYPE	COVER RATING	COMMENTS
P-F18.11	517848.270	131691.312	55.930	54.750	1.180	450	TYPE D	A15	
P-F18.12	517855.412	131715.006	56.239	54.726	1.512	450	TYPE D	A15	
P-F18.13	517856.805	131717.147	56.244	55.000	1.244	450	TYPE D	A15	
P-F18.14	517858.110	131718.916	56.240	55.000	1.240	450	TYPE D	A15	
P-F18.15	517859.804	131721.053	56.237	55.200	1.037	450	TYPE D	A15	
P-F19.01	518028.353	131643.836	57.458	55.410	2.048	450	TYPE D	A15	
P-F19.02	518025.950	131631.624	57.372	56.161	1.211	450	TYPE D	A15	
P-F19.03	518024.889	131631.411	57.331	56.175	1.156	450	TYPE D	A15	
P-F19.04	518026.846	131641.355	57.405	56.175	1.230	450	TYPE D	A15	
P-F19.05	518026.670	131640.461	57.429	56.225	1.204	450	TYPE D	A15	
P-F19.06	518025.955	131636.830	57.401	56.175	1.226	450	TYPE D	A15	
P-F19.07	518025.780	131635.936	57.421	56.225	1.196	450	TYPE D	A15	
P-F19.08	518025.065	131632.304	57.339	56.175	1.164	450	TYPE D	A15	
P-F19.09	518024.853	131628.635	57.220	56.025	1.195	450	TYPE D	A15	
P-F20.01	518021.079	131609.461	57.117	55.950	1.167	450	TYPE D	A15	
P-F20.02	518022.039	131614.339	57.276	56.025	1.251	450	TYPE D	A15	
P-F20.03	518022.841	131618.413	57.339	56.100	1.239	450	TYPE D	A15	
P-F21.01	517989.590	131684.549	57.413	55.368	2.045	450	TYPE D	A15	
P-F21.02	518007.625	131700.734	57.484	55.842	1.642	450	TYPE D	A15	
P-F21.03	518013.101	131694.631	57.484	55.994	1.490	450	TYPE D	A15	
P-F21.04	518014.566	131692.998	57.471	56.021	1.450	450	TYPE D	A15	
P-F21.05	518016.111	131691.277	57.461	56.050	1.411	450	TYPE D	A15	
P-F21.06	517991.388	131685.357	57.436	56.150	1.286	450	TYPE D	A15	
P-F21.07	517992.919	131686.730	57.453	56.225	1.228	450	TYPE D	A15	
P-F21.08	517994.165	131687.849	57.468	56.150	1.318	450	TYPE D	A15	
P-F21.09	518000.759	131693.767	57.403	56.275	1.128	450	TYPE D	A15	
P-F21.10	517974.631	131693.999	57.506	56.178	1.328	450	TYPE D	A15	
P-F21.11	517973.370	131694.926	57.494	56.198	1.296	450	TYPE D	A15	
P-F21.12	517971.598	131696.230	57.495	56.225	1.270	450	TYPE D	A15	
P-F21.13	517970.068	131697.356	57.495	56.300	1.195	450	TYPE D	A15	
P-F21.14	517969.358	131683.577	57.512	56.223	1.289	450	TYPE D	A15	
P-F21.15	517964.400	131687.233	57.541	56.300	1.241	450	TYPE D	A15	
P-F21.16	517968.656	131682.625	57.516	56.238	1.278	450	TYPE D	A15	
P-F21.17	517967.217	131683.686	57.520	56.300	1.220	450	TYPE D	A15	
P-F21.18	517965.496	131684.955	57.519	56.300	1.219	450	TYPE D	A15	
P-F22.01	517956.385	131709.943	57.551	55.677	1.874	450	TYPE D	A15	
P-F22.02	517953.906	131711.772	57.505	56.062	1.443	450	TYPE D	A15	
P-F22.03	517951.258	131713.726	57.526	56.103	1.424	450	TYPE D	A15	
P-F22.04	517950.524	131714.267	57.526	56.114	1.412	450	TYPE D	A15	
P-F22.05	517949.566	131714.974	57.526	56.129	1.397	450	TYPE D	A15	
P-F22.06	517947.062	131716.822	57.512	56.168	1.345	450	TYPE D	A15	
P-F22.07	517945.697	131717.829	57.506	56.189	1.317	450	TYPE D	A15	
P-F22.08	517944.963	131718.370	57.512	56.200	1.312	450	TYPE D	A15	
P-F22.09	517942.746	131720.006	57.375	56.400	0.975	450	TYPE D	A15	
P-F22.10	517946.488	131697.115	57.055	55.321	1.734	450	TYPE D	A15	
P-F22.11	517944.292	131698.733	57.056	55.662	1.394	450	TYPE D	A15	
P-F22.12	517941.643	131700.685	57.131	55.703	1.428	450	TYPE D	A15	
P-F22.13	517940.909	131701.226	57.131	55.714	1.417	450	TYPE D	A15	
P-F22.14	517939.949	131701.932	57.131	55.729	1.402	450	TYPE D	A15	
P-F22.15	517937.445	131703.778	57.158	55.768	1.390	450	TYPE D	A15	
P-F22.16	517936.079	131704.784	57.158	55.789	1.369	450	TYPE D	A15	
P-F22.17	517935.345	131705.325	57.140	55.800	1.340	450	TYPE D	A15	
P-F22.18	517933.127	131706.959	57.078	56.000	1.078	450	TYPE D	A15	
P-F22.19	517967.594	131714.118	57.484	56.096	1.388	450	TYPE D	C250	
P-F22.20	517987.694	131721.286	57.573	56.250	1.323	450	TYPE D	A15	
P-F22.21	517973.336	131709.884	57.481	56.235	1.246	450	TYPE D	A15	
P-F22.22	517975.909	131707.987	57.521	56.275	1.246	450	TYPE D	A15	
P-F22.23	517978.613	131709.887	57.492	56.275	1.217	450	TYPE D	A15	
P-F22.24	517984.834	131715.160	57.573	56.375	1.198	450	TYPE D	A15	
P-F22.25	517985.467	131723.732	57.568	56.325	1.243	450	TYPE D	A15	

PRIVATE FOUL WATER MANHOLE TABLE									
REF	EASTING	NORTHING	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT LEVEL	SIZE	TYPE	COVER RATING	COMMENTS
P-F22.26	517988.036	131718.034	57.573	56.275	1.298	450	TYPE D	A15	
P-F23.01	517930.151	131729.287	57.161	55.460	1.701	450	TYPE D	A15	
P-F23.02	517928.476	131730.523	57.201	55.486	1.715	450	TYPE D	A15	
P-F23.03	517927.757	131731.054	57.197	55.497	1.700	450	TYPE D	A15	
P-F23.04	517924.502	131733.455	57.202	55.548	1.654	450	TYPE D	A15	
P-F23.05	517922.819	131734.697	57.202	55.864	1.338	450	TYPE D	A15	
P-F23.06	517922.085	131735.238	57.202	55.875	1.327	450	TYPE D	A15	
P-F23.07	517919.868	131736.874	57.071	56.075	0.996	450	TYPE D	A15	
P-F23.08	517931.536	131728.265	57.147	56.075	1.072	450	TYPE D	A15	
P-F23.09	517926.868	131732.716	57.212	55.900	1.312	450	TYPE D	A15	
P-F23.10	517920.568	131716.224	56.856	55.426	1.430	450	TYPE D	A15	
P-F23.11	517918.765	131717.553	56.893	55.454	1.439	450	TYPE D	A15	
P-F23.12	517918.031	131718.094	56.911	55.465	1.446	450	TYPE D	A15	
P-F23.13	517917.241	131718.675	56.906	55.477	1.430	450	TYPE D	A15	
P-F23.14	517914.896	131720.403	56.881	55.513	1.369	450	TYPE D	A15	
P-F23.15	517913.201	131721.652	56.881	55.539	1.343	450	TYPE D	A15	
P-F23.16	517912.467	131722.193	56.881	55.550	1.331	450	TYPE D	A15	
P-F23.17	517910.249	131723.827	56.790	55.750	1.040	450	TYPE D	A15	
P-F23.18	517922.449	131715.439	56.910	55.725	1.185	450	TYPE D	A15	
P-F24.01	517908.554	131745.458	56.823	54.867	1.956	450	TYPE D	A15	
P-F24.02	517895.592	131755.016	56.592	55.036	1.556	450	TYPE D	A15	
P-F24.03	517894.529	131755.800	56.580	55.103	1.478	450	TYPE D	A15	
P-F24.04	517889.928	131759.193	56.556	55.174	1.382	450	TYPE D	A15	
P-F24.05	517893.127	131767.541	56.598	55.286	1.312	450	TYPE D	A15	
P-F24.06	517896.457	131772.059	56.679	55.356	1.323	450	TYPE D	A15	
P-F24.07	517897.789	131773.866	56.728	55.384	1.344	450	TYPE D	A15	
P-F24.08	517899.735	131776.508	56.804	55.425	1.379	450	TYPE D	A15	
P-F24.09	517901.460	131778.848	56.875	55.500	1.375	450	TYPE D	A15	
P-F24.10	517898.702	131753.612	56.605	55.350	1.255	450	TYPE D	A15	
P-F24.11	517912.215	131750.423	56.717	54.994	1.723	450	TYPE D	C250	
P-F24.12	517913.137	131751.674	56.732	55.013	1.719	450	TYPE D	C250	
P-F24.13	517914.977	131754.170	56.763	55.052	1.711	450	TYPE D	C250	
P-F24.14	517919.893	131760.838	56.846	55.156	1.690	450	TYPE D	C250	
P-F24.15	517917.170	131772.027	56.842	55.300	1.542	450	TYPE D	A15	
P-F24.16	517914.614	131770.627	56.709	55.350	1.359	450	TYPE D	A15	
P-F24.17	517911.863	131766.895	56.669	55.400	1.269	450	TYPE D	A15	
P-F24.18	517908.853	131762.813	56.639	55.400	1.239	450	TYPE D	A15	
P-F24.19	517916.207	131739.815	57.286	56.675	0.611	450	TYPE D	A15	
P-F24.20	517898.843	131732.275	56.560	54.532	2.028	450	TYPE D	C250	
P-F24.21	517895.289	131727.456	56.559	54.657	1.902	450	TYPE D	C250	
P-F24.22	517894.349	131726.181	56.567	54.688	1.879	450	TYPE D	C250	
P-F24.23	517892.508	131723.684	56.583	54.727	1.856	450	TYPE D	C250	
P-F24.24	517887.591	131717.018	56.518	54.831	1.687	450	TYPE D	C250	
P-F24.25	517876.097	131716.312	56.320	54.975	1.345	450	TYPE D	A15	
P-F24.26	517876.679	131719.168	56.317	55.025	1.292	450	TYPE D	A15	
P-F24.27	517879.431	131722.899	56.344	55.075	1.269	450	TYPE D	A15	
P-F24.28	517882.441	131726.980	56.363	55.075	1.288	450	TYPE D	A15	
P-F24.29	517885.881	131741.833	56.386	55.025	1.361	450	TYPE D	A15	
P-F24.30	517888.231	131739.398	56.364	55.025	1.339	450	TYPE D	A15	
P-F24.31	517906.496	131726.632	56.731	55.425	1.306	450	TYPE D	A15	
P-F25.01	517972.904	131615.030	57.455	55.699	1.756	450	TYPE D	A15	
P-F25.02	517973.592	131599.824	57.434	56.225	1.209	450	TYPE D	A15	
P-F25.03	517970.419	131618.856	57.573	56.300	1.273	450	TYPE D	A15	
P-F25.04	517972.226	131612.477	57.488	56.225	1.263	450	TYPE D	A15	
P-F25.05	517972.269	131611.567	57.493	56.300	1.193	450	TYPE D	A15	
P-F25.06	517972.446	131607.870	57.483	56.225	1.258	450	TYPE D	A15	
P-F25.07	517972.490	131606.960	57.487	56.300	1.187	450	TYPE D	A15	
P-F25.08	517972.667	131603.264	57.477	56.225	1.252	450	TYPE D	A15	
P-F25.09	517972.711	131602.354	57.482	56.300	1.182	450	TYPE D	A15	
P-F25.10	517972.780	131600.905	57.470	56.225	1.245	450	TYPE D	A15	

PRIVATE FOUL WATER MANHOLE TABLE									
REF	EASTING	NORTHING	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT LEVEL	SIZE	TYPE	COVER RATING	COMMENTS
P-F25.11	517987.221	131614.332	57.591	55.858	1.733	450	TYPE D	A15	
P-F25.12	517986.711	131619.736	57.670	56.400	1.270	450	TYPE D	A15	
P-F25.13	517987.442	131609.725	57.591	56.350	1.241	450	TYPE D	A15	
P-F25.14	517987.663	131605.118	57.591	56.350	1.241	450	TYPE D	A15	
P-F25.15	517987.884	131600.512	57.591	56.350	1.241	450	TYPE D	A15	
P-F25.16	517971.946	131592.248	57.210	56.075	1.135	450	TYPE D	B125	
P-F25.17	517988.830	131593.068	57.308	56.165	1.143	450	TYPE D	B125	
P-F26.01	517995.468	131588.194	57.528	55.662	1.866	450	TYPE D	C250	
P-F26.02	518005.325	131588.668	57.213	55.728	1.485	450	TYPE D	C250	
P-F26.03	518017.563	131576.967	57.612	55.990	1.622	450	TYPE D	A15	
P-F26.04	518005.617	131582.581	57.392	56.090	1.302	450	TYPE D	A15	
P-F26.05	518010.245	131577.159	57.480	56.140	1.340	450	TYPE D	A15	
P-F26.06	518006.814	131578.926	57.440	56.240	1.200	450	TYPE D	A15	
P-F26.07	518013.771	131576.069	57.512	56.215	1.297	450	TYPE D	A15	
P-F26.08	517986.724	131584.285	57.274	56.022	1.252	450	TYPE D	A15	
P-F26.09	517986.985	131578.858	57.393	56.090	1.303	450	TYPE D	A15	
P-F26.10	517988.335	131580.521	57.444	56.115	1.329	450	TYPE D	A15	
P-F26.11	517974.115	131583.317	57.157	55.637	1.520	450	TYPE D	A15	
P-F26.12	517974.358	131578.277	57.107	55.700	1.407	450	TYPE D	A15	
P-F26.13	517973.314	131584.600	57.186	55.997	1.188	450	TYPE D	A15	
P-F26.14	517973.002	131579.777	57.059	55.725	1.334	450	TYPE D	A15	
P-F27.01	517975.894	131565.411	57.091	55.200	1.891	450	TYPE D	A15	
P-F27.02	517952.238	131550.194	56.706	55.387	1.320	450	TYPE D	A15	
P-F27.03	517940.026	131569.179	56.275	55.537	0.738	450	TYPE D	A15	
P-F27.04	517954.131	131578.556	56.676	55.650	1.026	450	TYPE D	B125	
P-F27.05	517974.647	131572.253	57.078	55.800	1.278	450	TYPE D	A15	
P-F27.06	517966.498	131562.207	57.046	55.750	1.296	450	TYPE D	A15	
P-F27.07	517960.719	131558.254	57.018	55.775	1.243	450	TYPE D	A15	
P-F27.08	517958.790	131557.013	56.987	55.700	1.287	450	TYPE D	A15	
P-F27.09	517946.014	131570.969	56.486	55.675	0.811	450	TYPE D	A15	
P-F27.10	517947.536	131571.948	56.541	55.850	0.691	450	TYPE D	A15	
P-F27.11	517951.435	131574.456	56.683	55.750	0.933	450	TYPE D	A15	
P-F27.12	517953.435	131575.739	56.765	55.850	0.915	450	TYPE D	A15	
P-F27.13	517987.603	131565.978	57.273	55.856	1.418	450	TYPE D	A15	
P-F27.14	517991.215	131566.151	57.292	55.901	1.392	450	TYPE D	A15	
P-F27.15	518002.625	131560.274	57.460	56.061	1.399	450	TYPE D	A15	
P-F27.16	518004.664	131559.224	57.488	56.090	1.398	450	TYPE D	A15	
P-F27.17	517987.272	131572.867	57.344	56.190	1.154	450	TYPE D	A15	
P-F27.18	517996.676	131564.013	57.382	56.140	1.242	450	TYPE D	A15	
P-F28.01	517896.285	131677.331	56.474	55.136	1.338	450	TYPE D	A15	
P-F28.02	517889.828	131682.092	56.662	55.236	1.426	450	TYPE D	A15	
P-F28.03	517899.981	131695.862	56.806	55.450	1.356	450	TYPE D	A15	
P-F28.04	517890.246	131684.214	56.772	55.475	1.297	450	TYPE D	A15	
P-F28.05	517893.378	131688.462	56.808	55.475	1.333	450	TYPE D	A15	
P-F28.06	517896.510	131692.710	56.812	55.475	1.337	450	TYPE D	A15	
P-F28.07	517903.059	131669.086	56.489	55.127	1.362	450	TYPE D	B125	
P-F28.08	517913.268	131682.932	56.566	55.342	1.224	450	TYPE D	B125	
P-F28.09	517917.887	131683.632	56.769	55.400	1.369	450	TYPE D	A15	
P-F28.10	517908.490	131670.888	56.681	55.400	1.281	450	TYPE D	A15	
P-F28.11	517911.622	131675.136	56.733	55.400	1.333	450	TYPE D	A15	
P-F28.12	517914.755	131679.384	56.751	55.400	1.351	450	TYPE D	A15	

P01	31.07.2026	STAGE 4 DESIGN	TA
Rev.	Date	Description	By



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Client
LOVELL

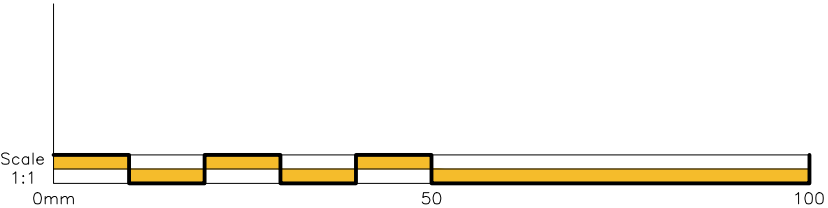
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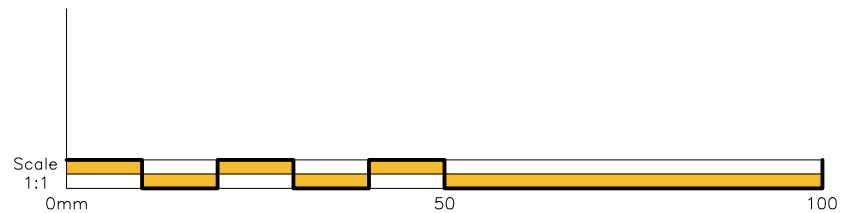
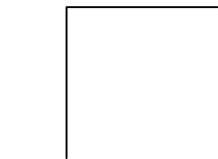
Architect
HGP ARCHITECTS

Project title
PHASE 3, NORVARTIS SITE,
HORSHAM, WEST SUSSEX.

Drawing title
FOUL WATER MANHOLE SCHEDULE,
SHEET 4.

Scale	Paper size	Date	Drawn by	Checked by	Status
NTS	A1	JUL 2026	TA	CH	S3
Name					
Project code	Originator	Functional	Spatial	Form	Number
17100	-AAL-	XX	- XX -	D - C	-5115- P01





DRAINAGE NOTES

- ANY PIPES TO BE ADOPTED, OR CONNECTING TO ADOPTED SEWERS, AND/OR SITUATED UNDER THE HIGHWAY, TO BE VITRIFIED CLAY TO BS EN 295 & BS65 (SWS ONLY), OR CONCRETE PIPES TO BS EN 1916 & BS5811:PART 1, OR PLASTIC IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
 - SOLID WALL PVC-U TO BS EN 1401
 - SPIRAL WOUND WELDED HDPE TO BS EN 13476 PARTS 1 & 2
 - STRUCTURE-WALL THERMOPLASTIC TO BS EN 13476 PARTS 1, 2 & 3
 - POLYPROPYLENE TO BS EN 1852
- FOR CONSTRUCTION DETAILS REFER TO THE RELEVANT ARCH ASSOCIATES DRAWING NUMBERS LISTED ON THE DRAWING ISSUE SHEET.
- ADOPTABLE HIGHWAY WORKS ARE TO BE IN ACCORDANCE WITH LOCAL AUTHORITY DESIGN GUIDANCE.
- ANY WORKS ASSOCIATED WITH THE HIGHWAY/EXTERNAL WORKS INCLUDING HIGHWAY DRAINAGE, SHALL BE IN ACCORDANCE WITH THE HIGHWAYS AGENCY MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS, VOL 1' (MCHW), UNLESS OTHERWISE SPECIFIED.
- ALL ADOPTABLE DRAINAGE WORKS TO BE CONSTRUCTED AS DETAILED IN "THE CODE" FOR ADOPTION DESIGN AND CONSTRUCTION GUIDANCE AND THE LOCAL WATER AUTHORITY'S LOCAL PRACTICE NOTE.
- ALL ADOPTABLE SEWERS WITH LESS THAN 1.20m OF COVER WHEN LAID BENEATH THE ROADS, OR 0.90m OF COVER IN OTHER AREAS, SHALL HAVE CONCRETE PROTECTION IN ACCORDANCE WITH EITHER OF THE DETAILS SHOWN ON THE STANDARD DRAWING PROVIDED.
- ALL DRAINAGE WORKS SHOULD COMMENCE AT THE PROPOSED DOWNSTREAM CONNECTION POINT, THE WORKS CONTINUING UPSTREAM FOLLOWING CONFIRMATION OF THE TIE-IN INVERT LEVELS TO THE ENGINEER. CONNECTIONS TO MANHOLES OR LARGER SIZED PIPES ETC. SHOULD BE SOFFIT TO SOFFIT UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER. IF THIS IS NOT POSSIBLE INFORM THE ENGINEER IMMEDIATELY.
- COVER LEVELS SHOWN ARE APPROXIMATE, COVERS AND FRAMES SHALL BE SET TO FINISHED GROUND LEVELS AND FALLS.
 - ROAD GULLY PIPES ARE TO BE 150mm DIA. WITH CONCRETE SURROUND AND FLEXIBLE JOINTS, ALL OTHER UN-REFERENCED PIPES ARE ASSUMED TO BE 100mm DIA.
 - FW MIN GRADIENT – 1 IN 40 (100 DIA) NO WC'S CONNECTED
 - FW MIN GRADIENT – 1 IN 80 (100 DIA) MIN 1 WC CONNECTED
 - FW MIN GRADIENT – 1 IN 150 (150 DIA) MIN 5 WC'S CONNECTED
 - SW MIN GRADIENT – 1 IN 100 (100 DIA)
 - SW MIN GRADIENT – 1 IN 150 (150 DIA)ALL GULLIES SHALL BE FITTED WITH GRADE D400 GRATINGS AND FRAMES TO BS EN124, UNLESS OTHERWISE STATED.
- IN ORDER TO MAINTAIN THE SATISFACTORY FUNCTIONING OF SURFACE WATER SEWERS, ALL ROAD AND YARD GULLIES ARE TO BE "TRAPPED".
- ALL NON ADOPTABLE LATERALS BENEATH THE HIGHWAY SHALL BE BACK FILLED WITH A TYPE 1 GRANULAR MATERIAL AS CL.803 (MCHW) APPROVED BY THE ENGINEER.
- ALL PRIVATE DRAINAGE TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS APPROVED DOCUMENT PART-H, AND TO THE SATISFACTION OF THE BUILDING CONTROL INSPECTOR.

- WHERE DRAINS PASS THROUGH FOUNDATIONS OR CONNECT TO MANHOLES, A FLEXIBLE PIPE JOINT SHOULD BE PROVIDED TO FORM A ROCKER PIPE IN ACCORDANCE WITH THE STANDARD DETAIL PROVIDED.
- SHALLOW PRIVATE DRAINS MAY REQUIRE PROTECTION USING CLASS 'Z' CONCRETE SURROUND OR PAVING SLABS BRIDGING THE TRENCH SUBJECT TO THE NHBC INSPECTOR'S REQUIREMENTS.
- WHERE DRAINAGE RUNS PASS CLOSE TO BUILDINGS OR THEIR INVERT LEVELS ARE BELOW FOUNDATION LEVEL, THEN THE TRENCHES ARE TO BE BACK FILLED IN ACCORDANCE WITH THE STANDARD DETAIL PROVIDED.
- REFERENCE SHOULD BE MADE TO THE STRUCTURAL ENGINEERS DETAILS FOR ALL ASPECTS OF FOUNDATION DESIGN AND CONSTRUCTION.
- THE CONTRACTOR IS TO KEEP A RECORD OF ANY VARIATIONS MADE ON SITE, INCLUDING THE RELOCATION OF SEWERS OR DRAINS, SO THAT AN AS CONSTRUCTED DRAWING CAN BE PREPARED UPON COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHOULD CHECK ALL DIMENSIONS ON SITE. NO DIMENSIONS ARE TO BE SCALED FROM THESE DRAWINGS.
- IT IS THE CONTRACTORS/SUBCONTRACTORS RESPONSIBILITY TO ENSURE COMPLIANCE WITH THE CURRENT BUILDING REGULATIONS AND CODES OF PRACTICE.
- STUB CONNECTIONS TO ADOPTABLE MANHOLES SHALL BE MADE FROM VITRIFIED CLAY AND CONSIST OF TWO ROCKER PIPES LAID AT THE SAME GRADIENT AS THE UP OR DOWNSTREAM PIPE.
- ALL DOWNPIPES ARE TO BE SEALED, IE CONNECTED DIRECTLY TO THE STORMWATER DRAIN. ACCESS POINTS TO BE PROVIDED 1m ABOVE GROUND LEVEL FOR EXTERNAL RWP'S AND 1m ABOVE FFL FOR INTERNAL RWP'S.
- ALL DOWNPIPES ARE TO BE CONNECTED TO DOWN PIPE GULLIES PRIOR TO CONNECTING TO THE STORMWATER DRAIN. ACCESS POINTS TO BE PROVIDED 1m ABOVE FFL FOR INTERNAL RWP'S.
- UNLESS OTHERWISE NOTED OR SIMILAR APPROVED CHANNEL DRAINS TO BE ACO MULTI DRAIN WITH A15 GRATING IN PEDESTRIAN AREAS, C250 IN CAR PARKS AND D400 IN CARRIAGEWAYS. SLOTTED CHANNEL TO BE USED FOR AREAS WITH FALLS <1:15 MESH GRATING TO BE USED WHERE FALLS >1:15.
- GULLY AND CHANNEL DRAIN POSITIONS ARE LIABLE TO AMENDMENT WHEN THE DESIGN LEVELS HAVE BEEN DETERMINED.
- MODULAR GEOCELLULAR STORAGE/SOAKAWAY SYSTEM TO CONFORM TO CIRIA C793 THE SUDS MANUAL, C680 STRUCTURAL DESIGN OF MODULAR GEOCELLULAR DRAINAGE TANKS & C698 SITE HANDBOOK FOR THE CONSTRUCTION OF SUDS. THE MANUFACTURER SHOULD PROVIDE A COMPLETE SET OF INDEPENDENT TEST RESULTS FOR A PROPOSED SYSTEM INCLUDING, AS A MINIMUM, STRESS/STRAIN CURVES FOR VERTICAL AND LATERAL COMPRESSION, AND CREEP TESTS UNDER SUSTAINED LONG-TERM LOADS. A BBA CERTIFICATE IS NOT INDEPENDENT TEST DATA.
- ALL REDUNDANT DRAINAGE TO BE ABANDONED ONCE THE CONTRACTOR HAS SATISFIED HIMSELF THAT NO CONNECTIONS REMAIN LIVE. REDUNDANT DRAINAGE TO BE GRUBBED OUT.
- ALL BELOW GROUND CONCRETE TO ACCORD WITH BS5328:1997:SULPHATE CLASS TBA.

- IF ANY SUB SOIL DRAINAGE SYSTEMS ARE UNCOVERED DURING THE WORKS CONTACT THE ENGINEER FOR INSTRUCTIONS. GENERALLY SUB SOIL DRAINS AFFECTED ARE TO BE DIVERTED AROUND NEW WORKS AND CONNECTED INTO THE SURFACE WATER DRAINAGE SYSTEM. PIPE DIAMETERS AND GRADIENTS ARE TO BE MAINTAINED.
- BEFORE COMMENCING CONSTRUCTION THE CONTRACTOR MUST CHECK THE INVERT LEVELS OF EXISTING SEWERS TO WHICH CONNECTIONS ARE MADE. IN ADDITION THE CONTRACTOR MUST LOCATE AND DETERMINE INVERT LEVELS OF THE EXISTING SPURS TO WHICH CONNECTIONS ARE PROPOSED. ADDITIONAL SPUR/MANHOLE CONNECTIONS ARE TO BE AGREED WITH THE RELEVANT ADOPTING AUTHORITY. ANY DISCREPANCIES ARE TO BE NOTIFIED TO THE ENGINEER IMMEDIATELY, PRIOR TO CONSTRUCTION.
- ROAD REINSTATEMENTS ARE TO BE TO THE HIGHWAY AUTHORITY APPROVAL.
- NO PRIVATE AREAS ARE TO DRAIN ONTO ADOPTABLE AREAS AND VICE VERSA.

NOTES

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P03	31.07.2026	STAGE 4 DESIGN	TA
P02	31.10.2025	STAGE 3 SUBMISSION	TA
P01	20.12.2024	PRELIMINARY ISSUE FOR COMMENT	TA
Rev.	Date	Description	By



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Client

LOVELL

Client project code

DS0411

Architect

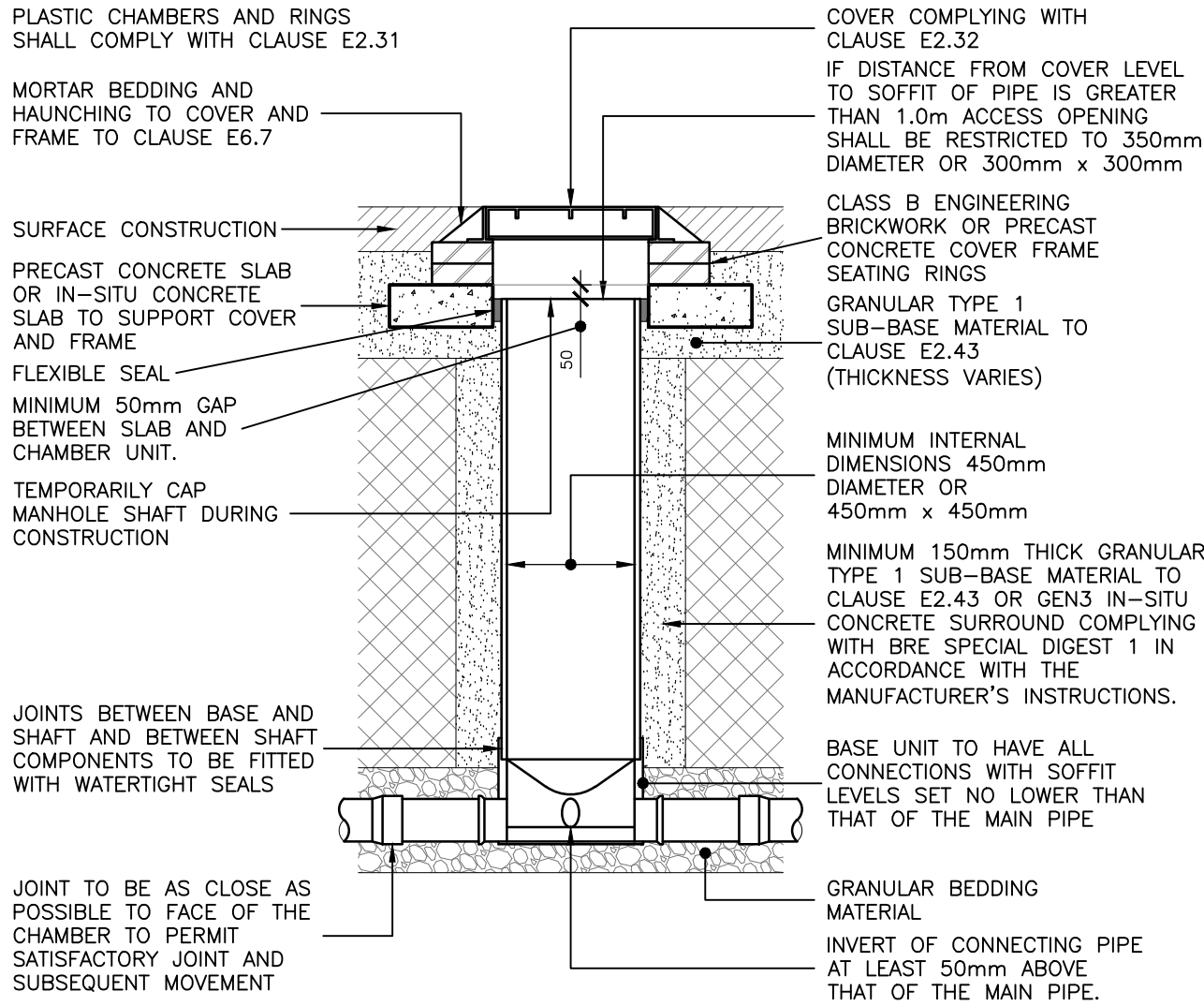
HGP ARCHITECTS

Project title

PHASE 3, NORVARTIS SITE, HORSHAM, WEST SUSSEX.

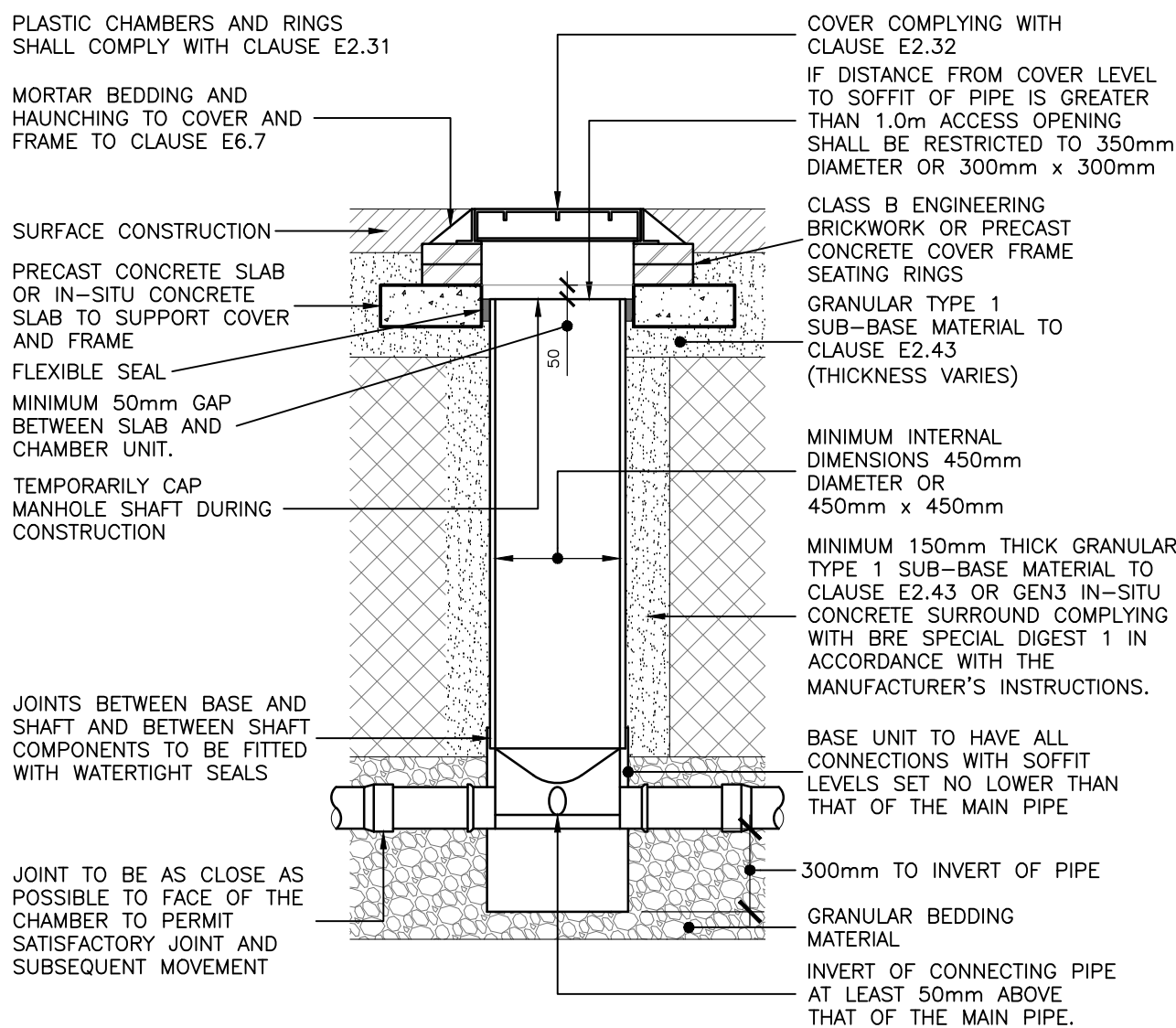
Drawing title
DRAINAGE NOTES.

Scale	Paper size	Date	Drawn by	Checked by	Status
NTS	A1	DEC 2024	TA	CH	S3
Name					
Project code	Originator	Functional	Spatial	Form	Number
17100	-AAL-	XX	-XX-	T-C-	5199-P03
Revision					



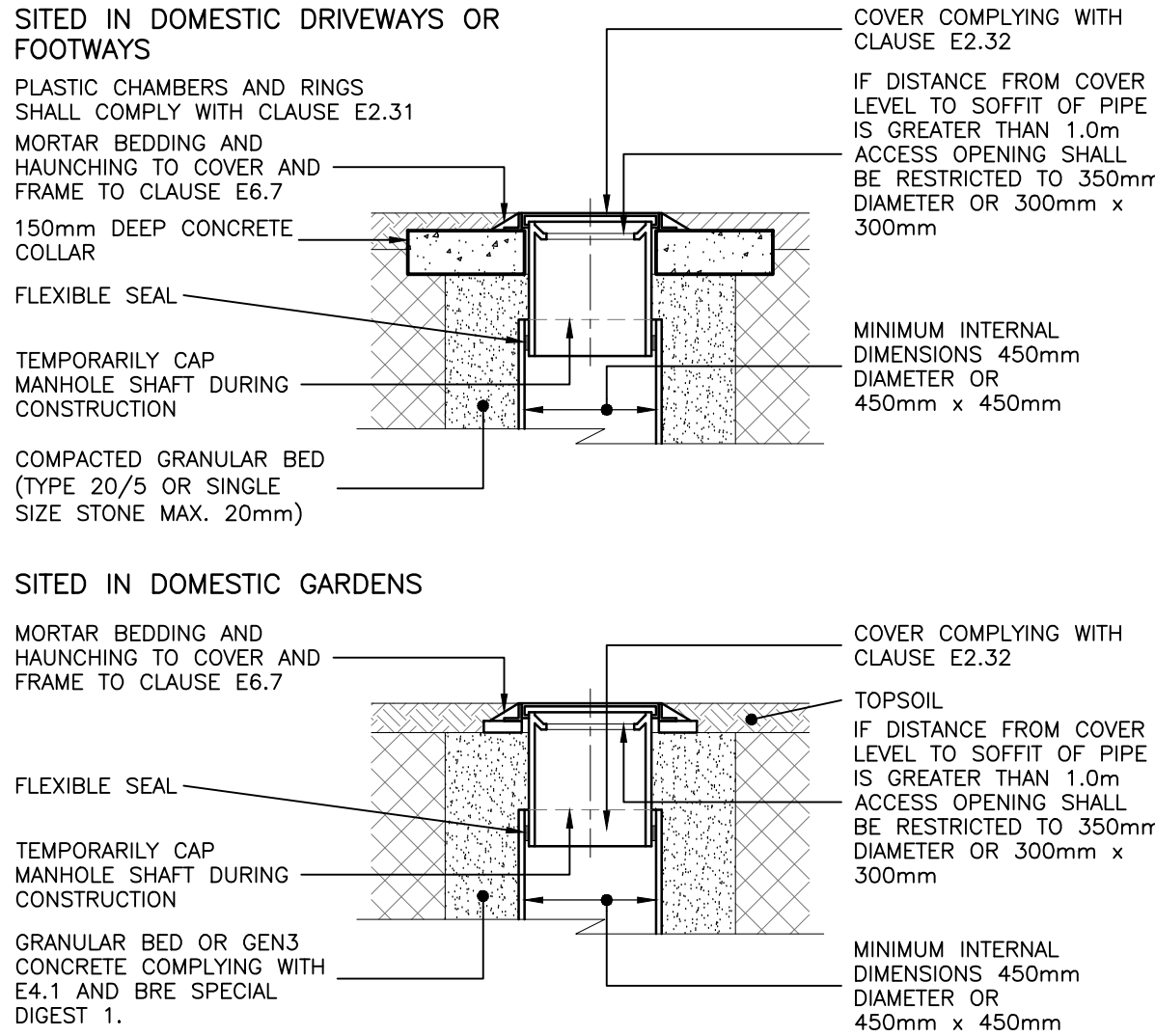
NOTE: WHERE THE ACCESS CHAMBER IS IN THE HIGHWAY (INCLUDING ANY FOOTWAY) THE HIGHWAY AUTHORITY MAY HAVE SPECIFIC REQUIREMENTS

TYPICAL INSPECTION CHAMBER DETAIL – TYPE D
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE UP TO 3m
FLEXIBLE MATERIAL CONSTRUCTION FOR USE IN AREAS SUBJECT TO VEHICLE LOADING
(SCALE 1:25@A1)

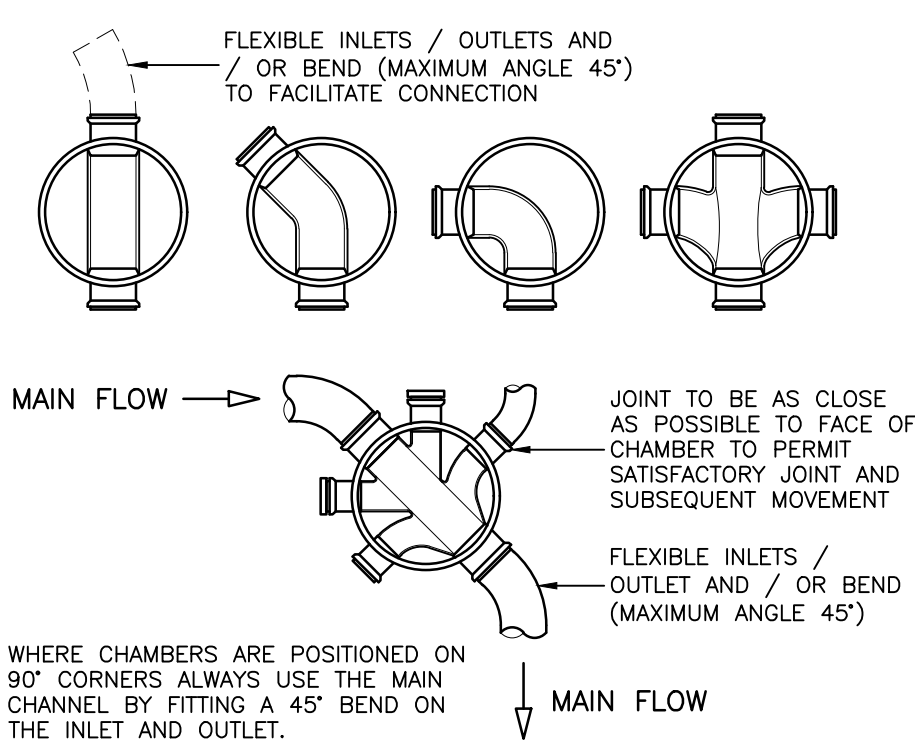


NOTE: WHERE THE ACCESS CHAMBER IS IN THE HIGHWAY (INCLUDING ANY FOOTWAY) THE HIGHWAY AUTHORITY MAY HAVE SPECIFIC REQUIREMENTS

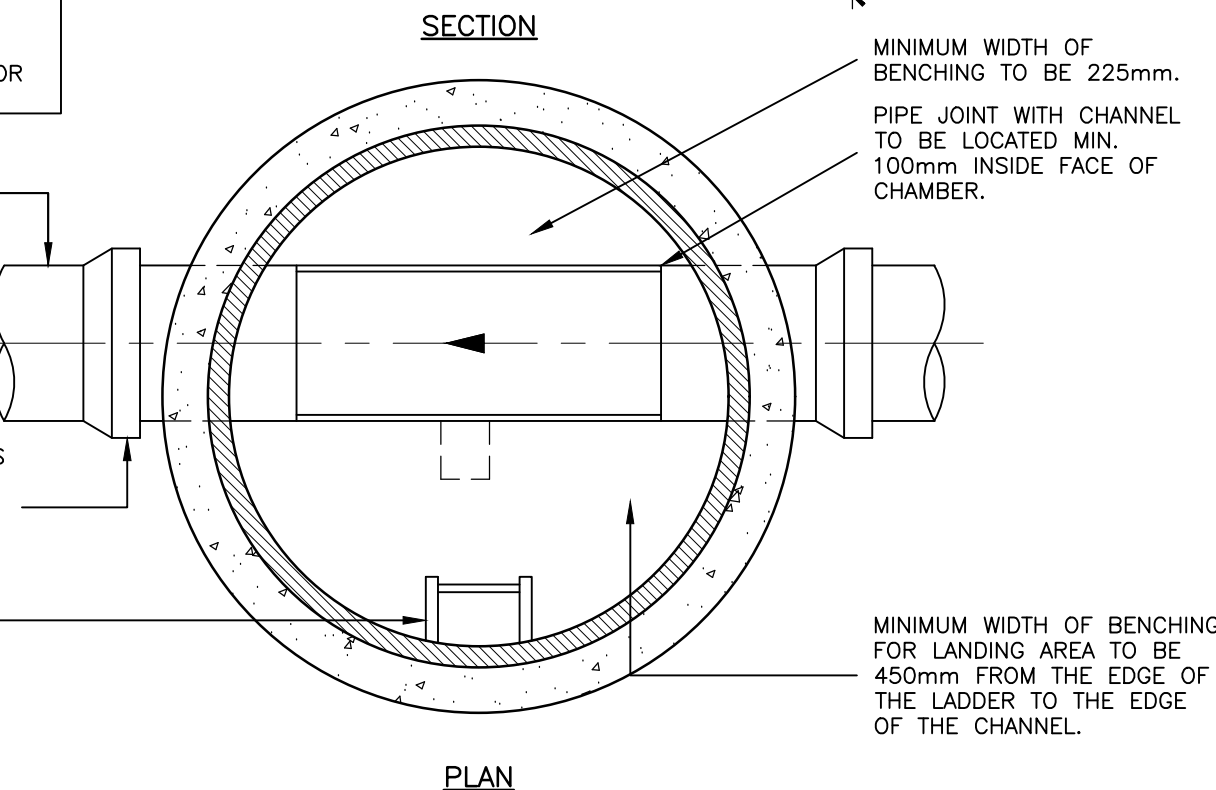
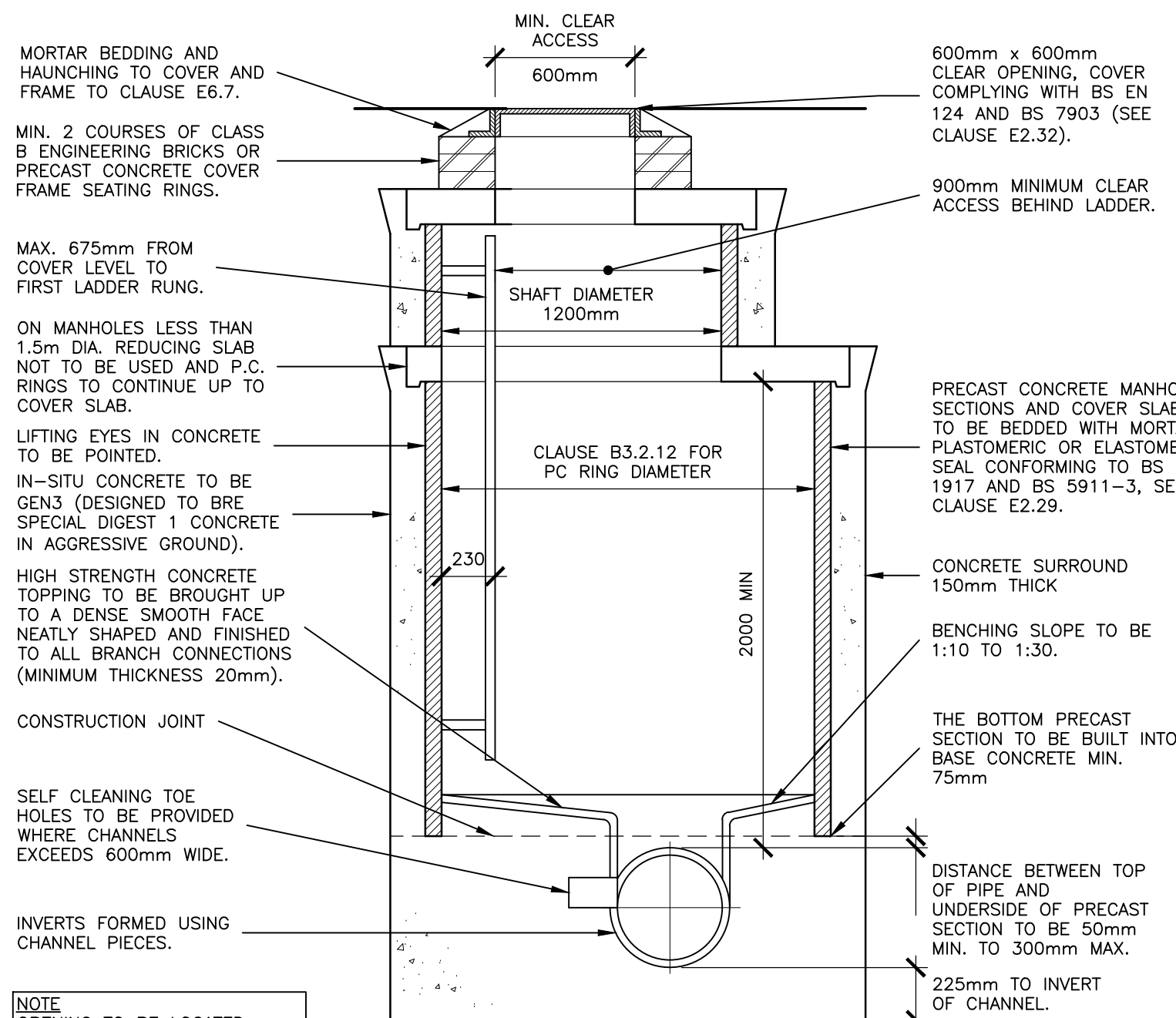
TYPICAL INSPECTION CHAMBER CATCHPIT DETAIL – TYPE D
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE UP TO 3m
FLEXIBLE MATERIAL CONSTRUCTION FOR USE IN AREAS SUBJECT TO VEHICLE LOADING
(SCALE 1:25@A1)



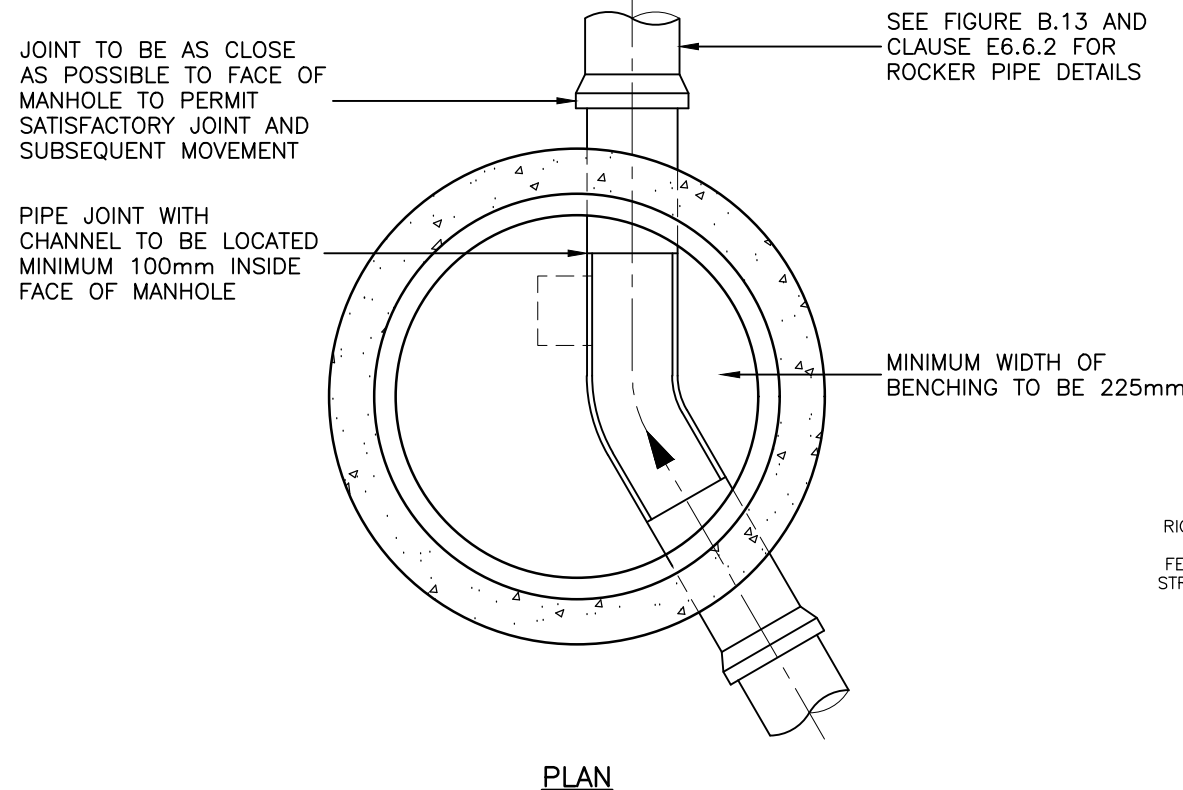
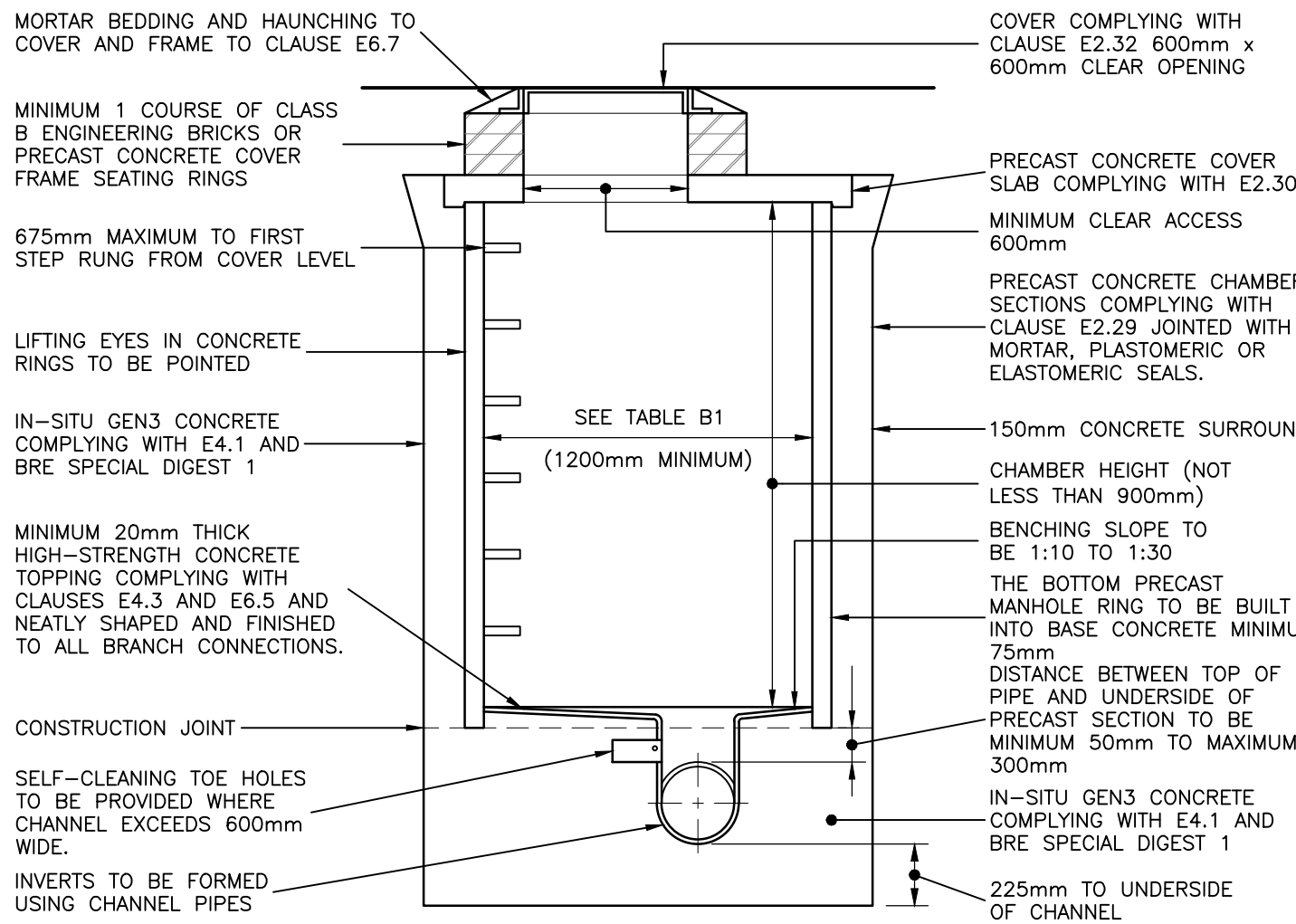
TYPICAL INSPECTION CHAMBER DETAIL – TYPE D
FLEXIBLE MATERIAL CONSTRUCTION ALTERNATIVE TOP DETAILS FOR USE IN AREAS OF LIGHT VEHICLE LOADING AND LANDSCAPED AREAS
(SCALE 1:25@A1)



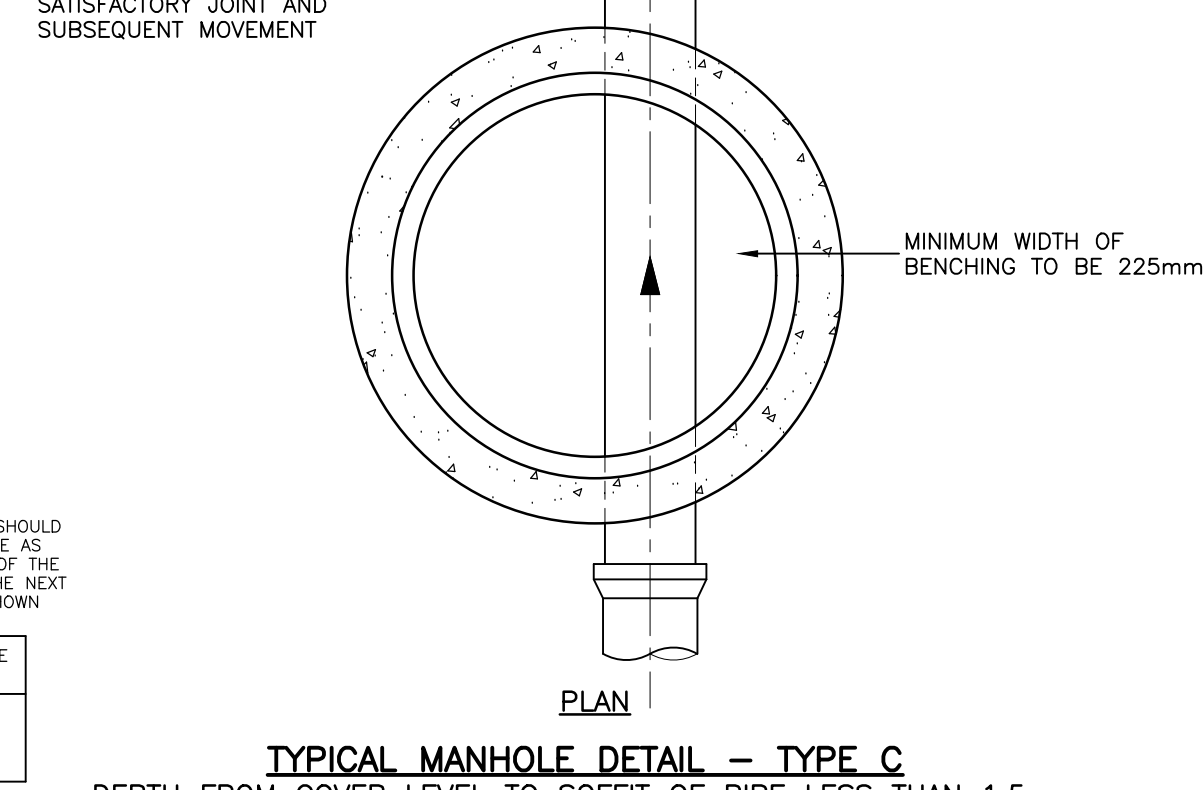
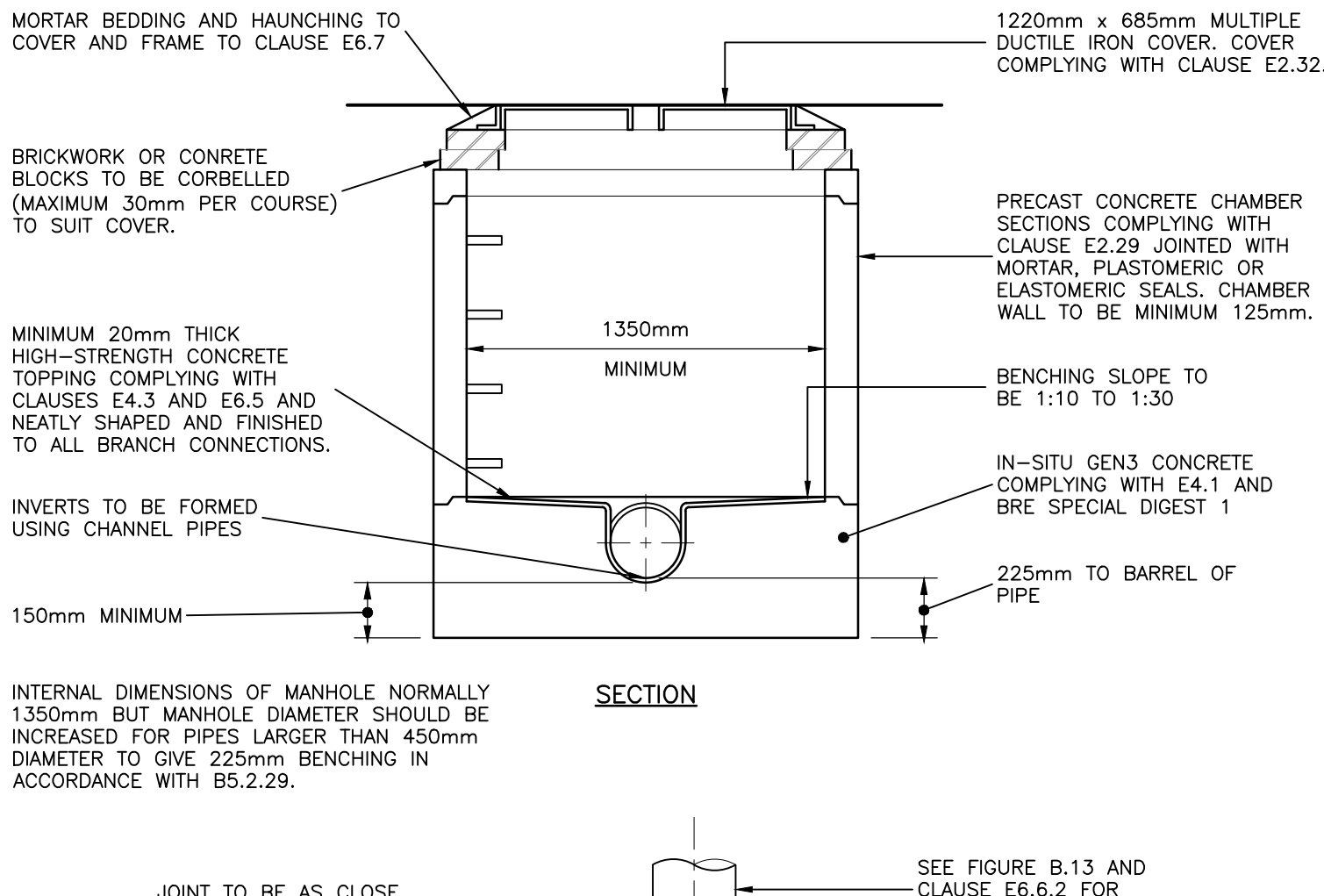
TYPICAL BASE LAYOUTS FOR TYPE D CHAMBERS
(SCALE 1:25@A1)



TYPICAL MANHOLE DETAIL – TYPE A
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 3.0m TO 6.0m
(SCALE 1:25@A1)



TYPICAL MANHOLE DETAIL – TYPE B
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 1.5m–3.0m
(RIGID MATERIAL CONSTRUCTION WITH CONCRETE SURROUND)
(SCALE 1:25@A1)



TYPICAL MANHOLE DETAIL – TYPE C
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE LESS THAN 1.5m
(RIGID MATERIAL CONSTRUCTION)
(SCALE 1:25@A1)

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KEY TO HEALTH AND SAFETY SYMBOLS

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- INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION
- INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
- INDICATES A RESIDUAL RISK AS A WARNING
- INDICATES A RESIDUAL RISK FOR INFORMATION

P03	31.07.2026	STAGE 4 DESIGN	TA
P02	31.10.2025	STAGE 3 SUBMISSION	TA
P01	20.12.2024	PRELIMINARY ISSUES FOR COMMENT	TA
Rev.	Date	Description	By

		01489 890004 admin@archassociates.co.uk www.archassociates.co.uk	
Client	LOVELL	Client project code	DS0411

Architect
HGP ARCHITECTS

Project title

**PHASE 3, NORVARTIS SITE,
HORSHAM, WEST SUSSEX.**

Drawing title

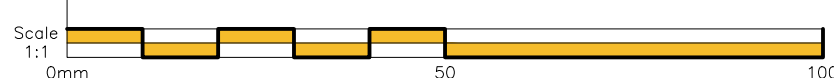
**DRAINAGE DETAILS,
SHEET 1.**

Scale	Paper size	Date	Drawn by	Checked by	Status
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Name

Project code

17100 -AAL- XX - XX - D - C -5550- P03

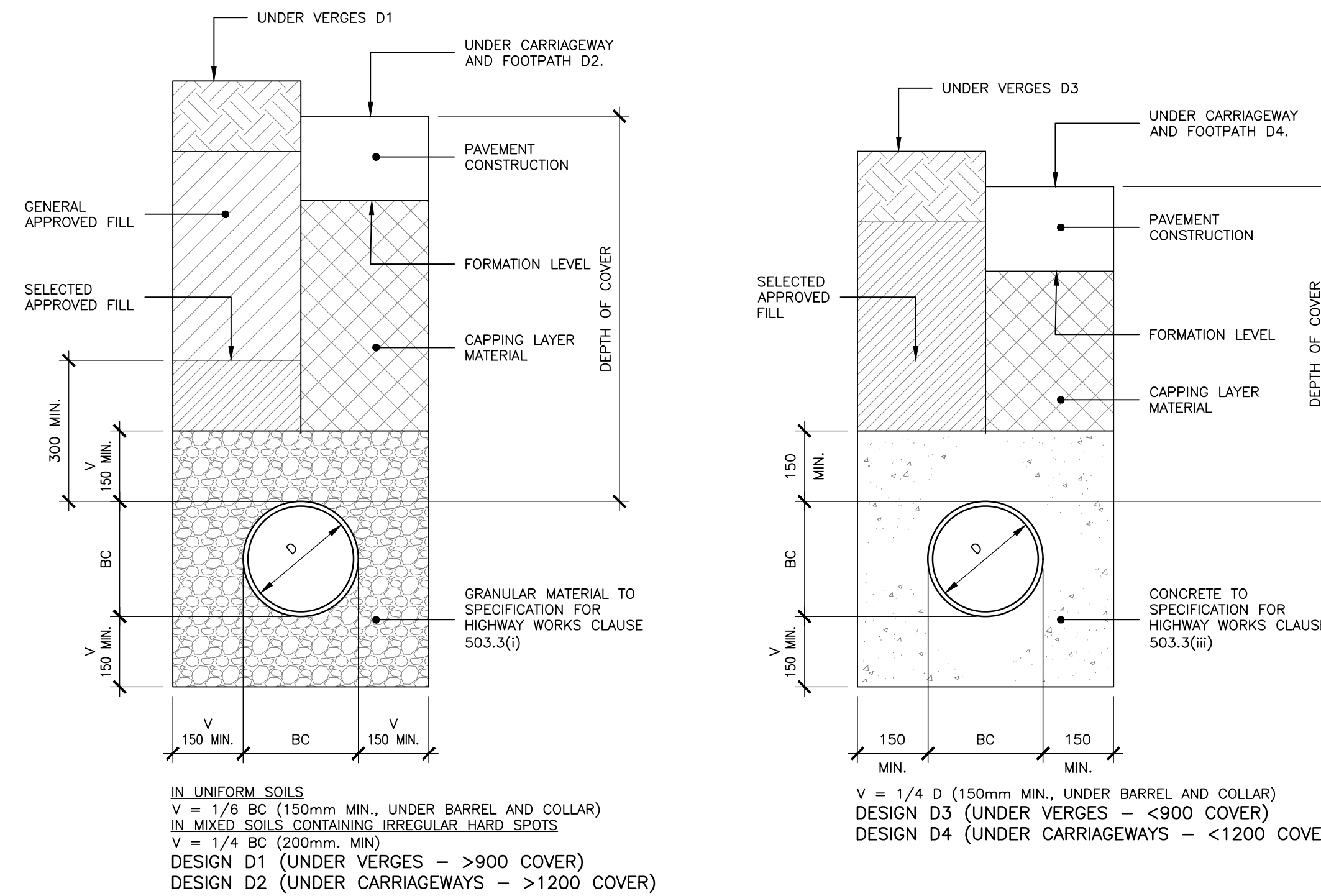
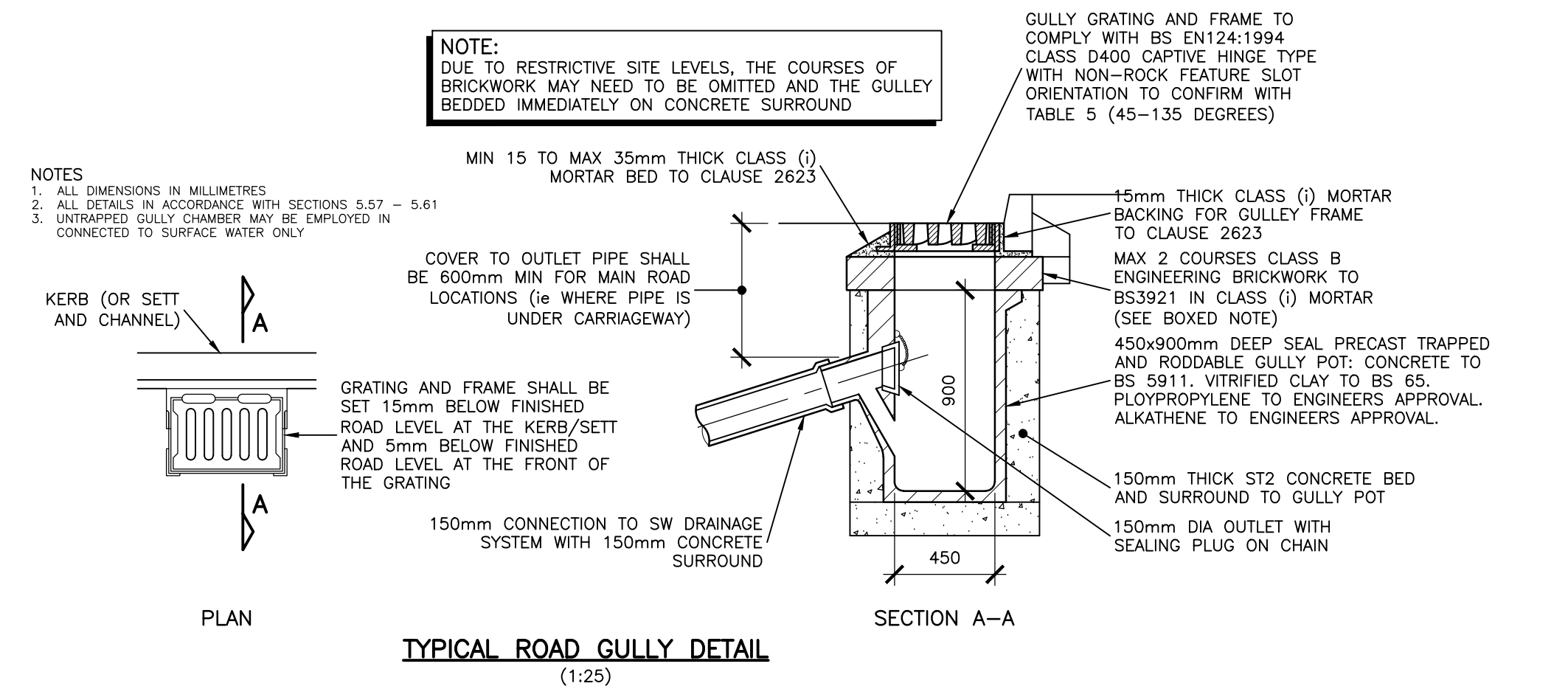
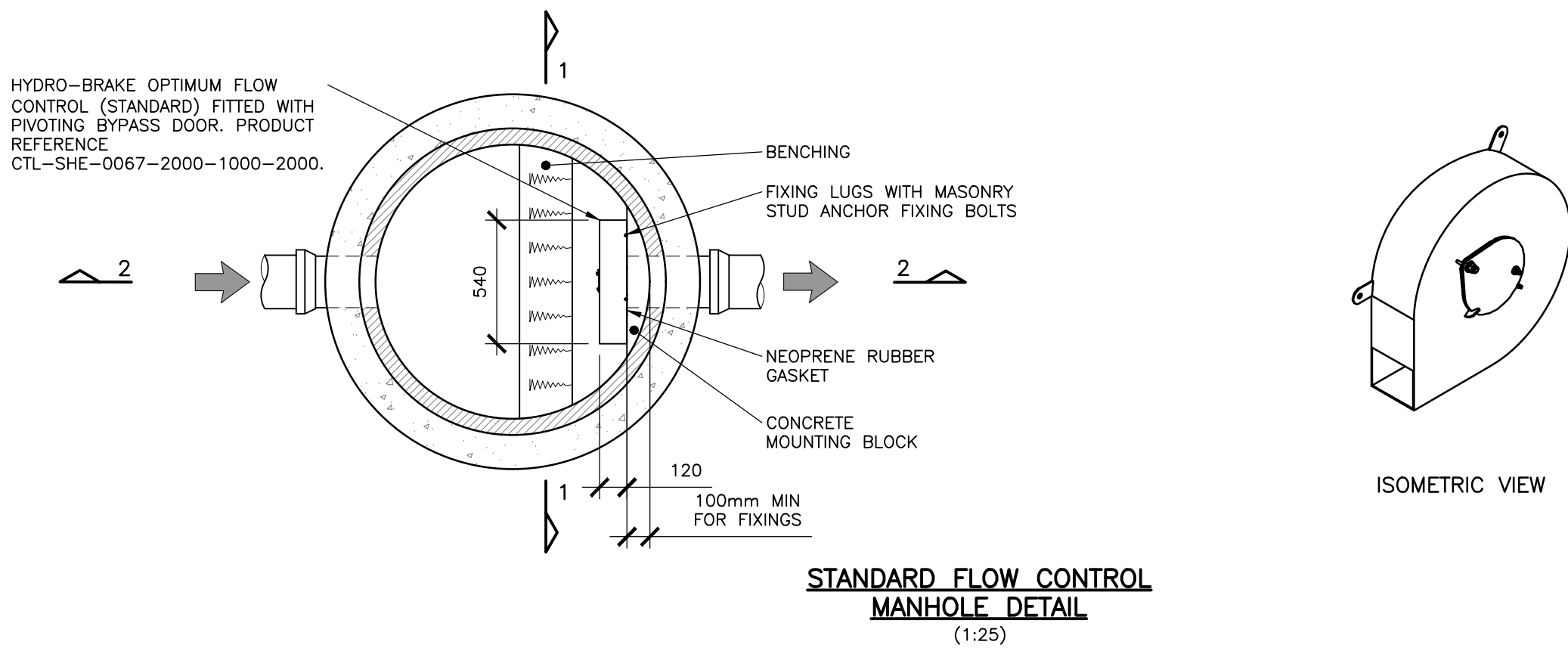
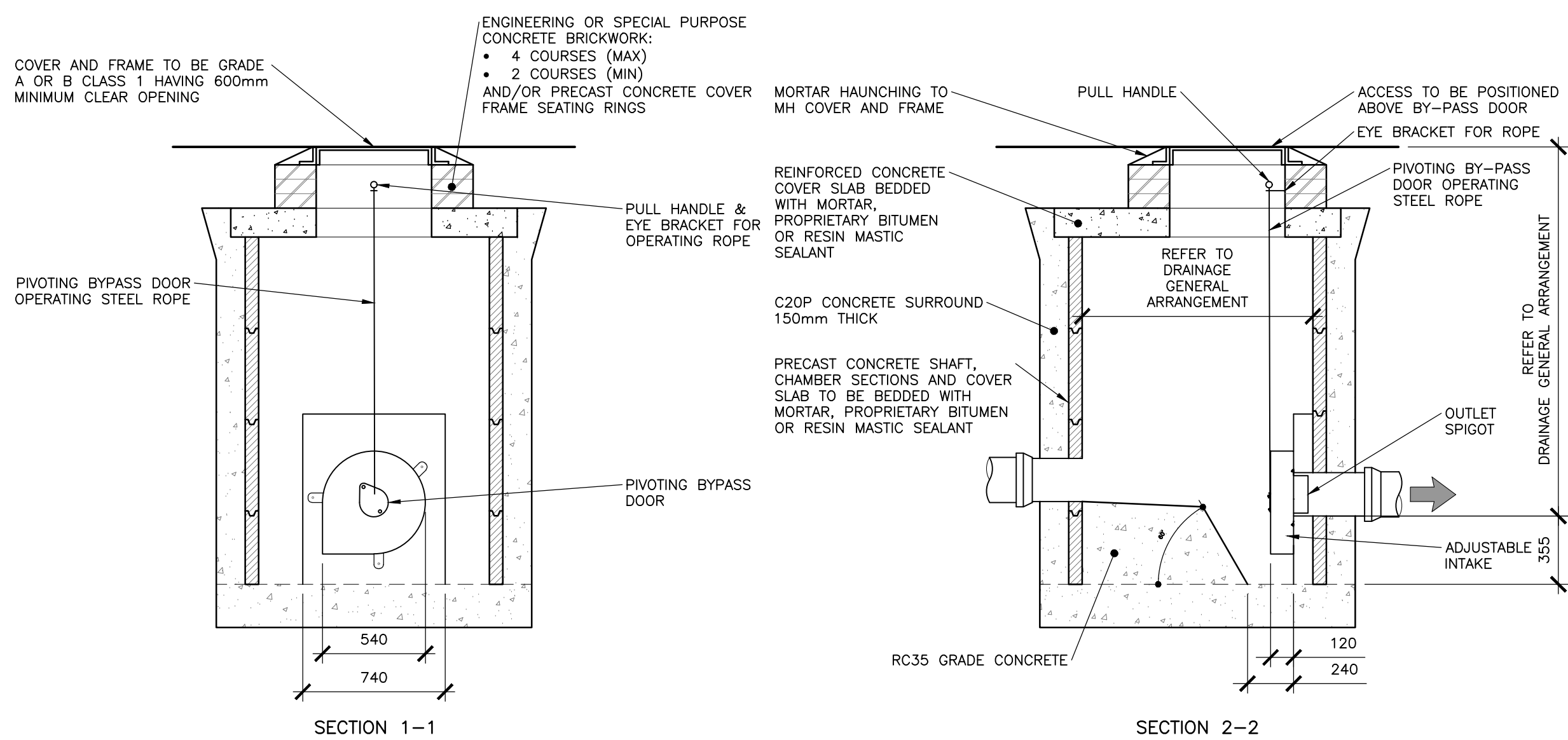
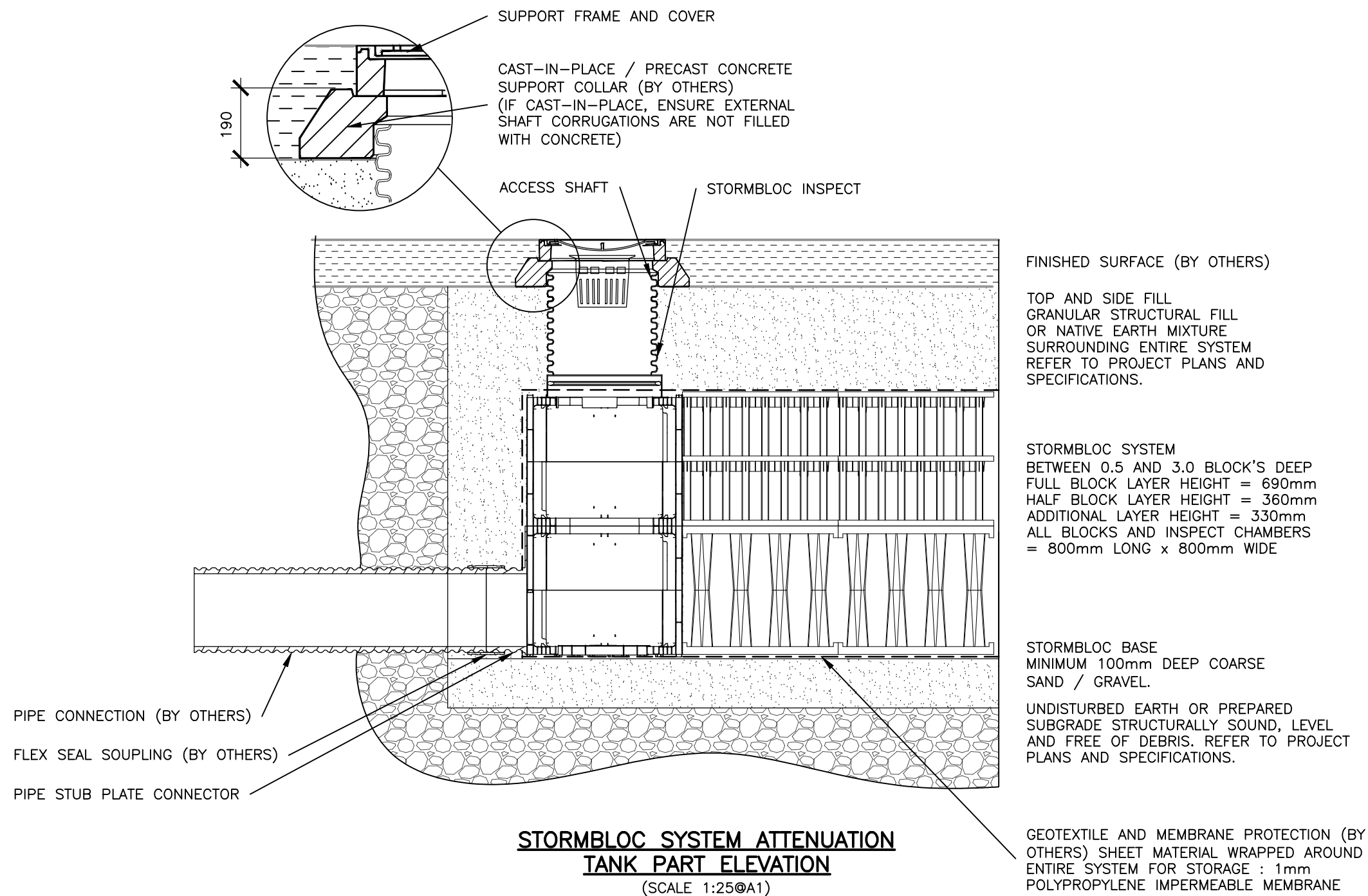


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- INDICATES A RESIDUAL RISK AS A WARNING
- INDICATES A RESIDUAL RISK FOR INFORMATION



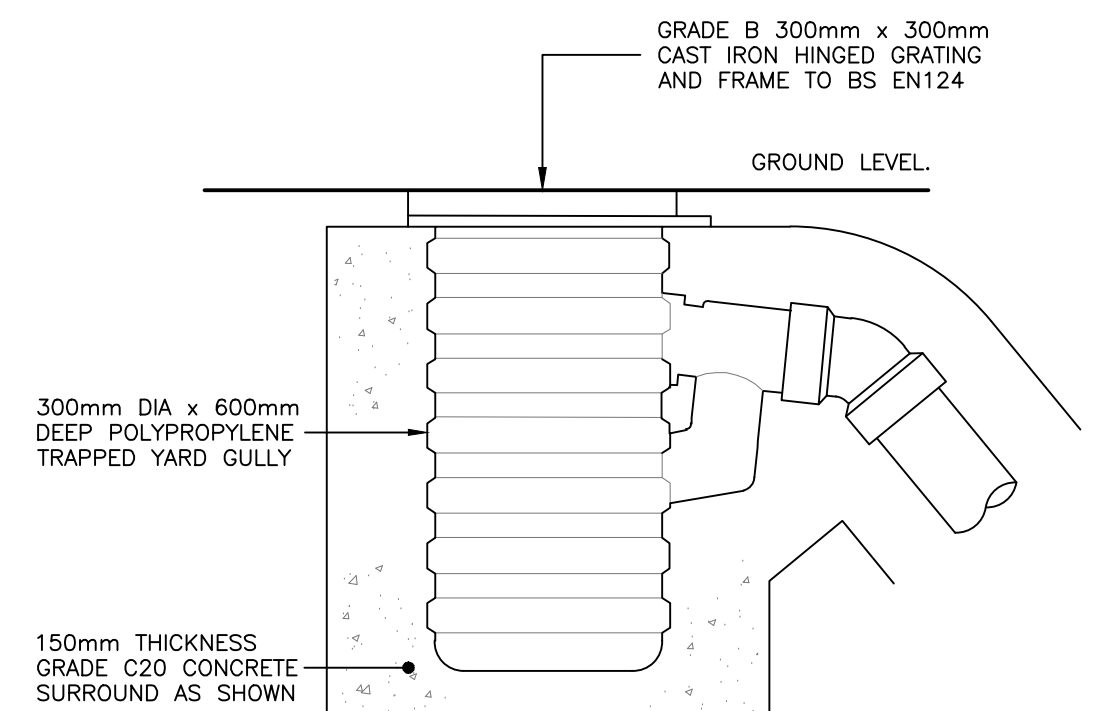
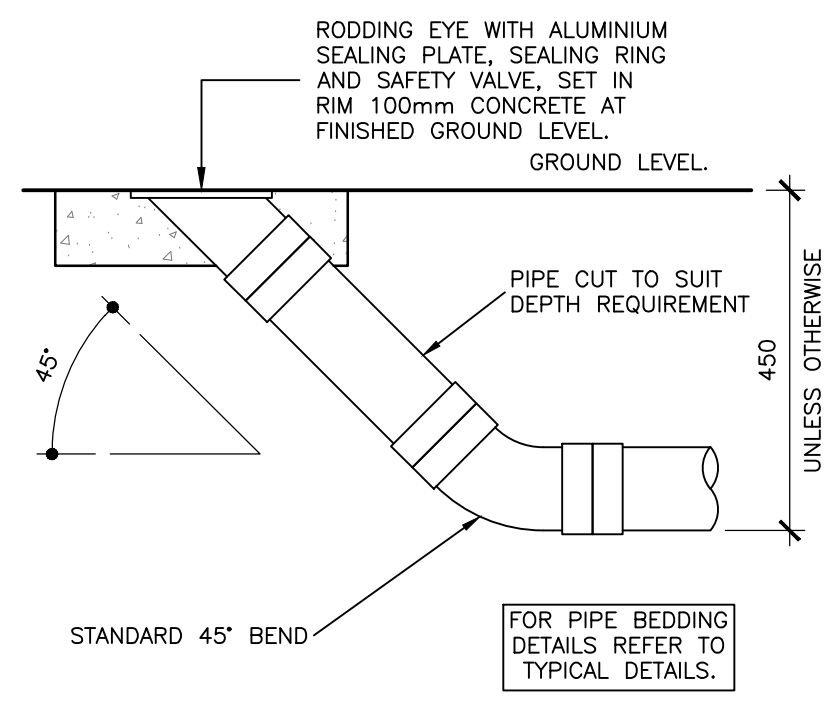
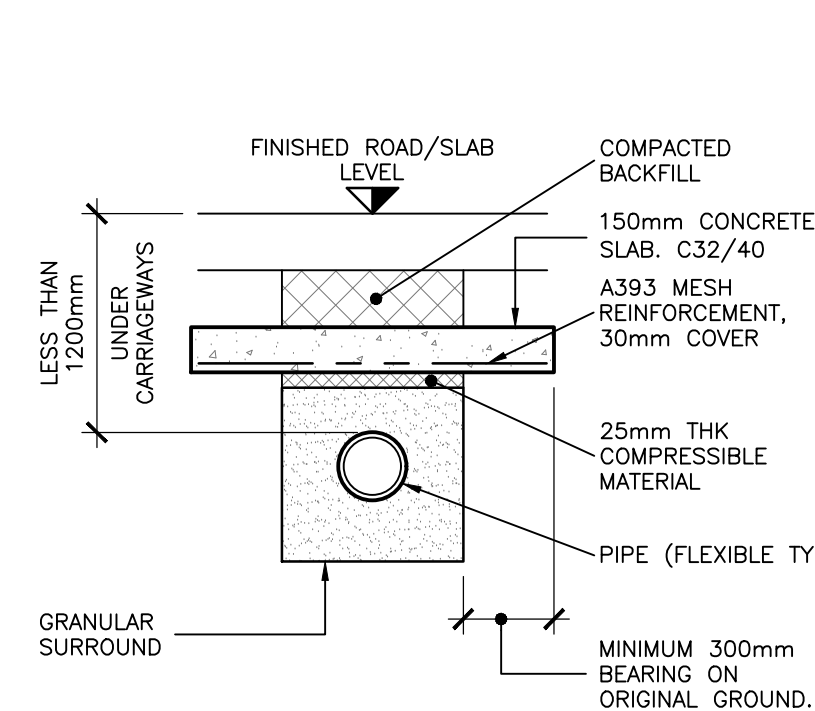
BEDDING DETAIL - CLASS 'S'

BEDDING DETAIL - CLASS 'Z'

ALTERNATIVE PROTECTION OF A SHALLOW PIPELINE USING A SLAB
UNDER VERGES LESS THAN 900 COVER
UNDER CARRIAGEWAYS LESS THAN 1200 COVER
(SCALE 1:25@A1)

RODDING EYE DETAIL
(SCALE 1:10@A1)
TO BE USED IN PEDESTRAIN AND LANDSCAPED AREAS NOT SUBJECT TO VEHICULAR LOADING. MAXIMUM DEPTH TO INVERT 600mm.

EXTERNAL RAMPED BACKDROP DETAIL
(SCALE 1:25@A1)

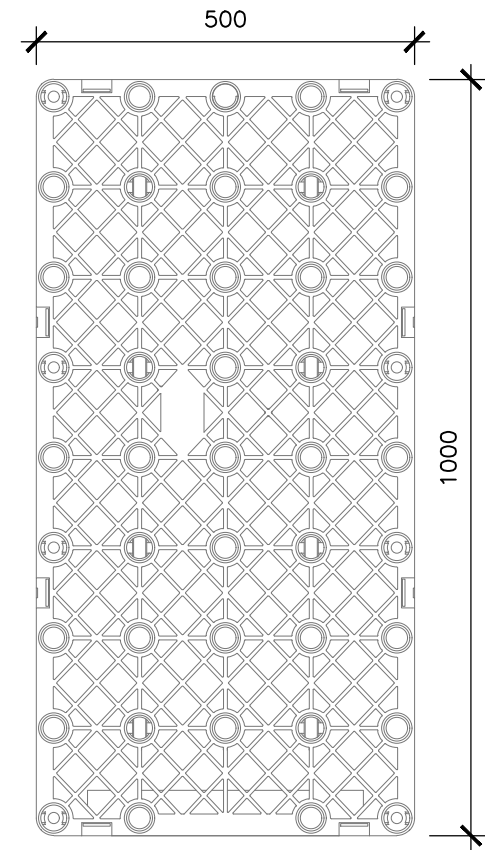
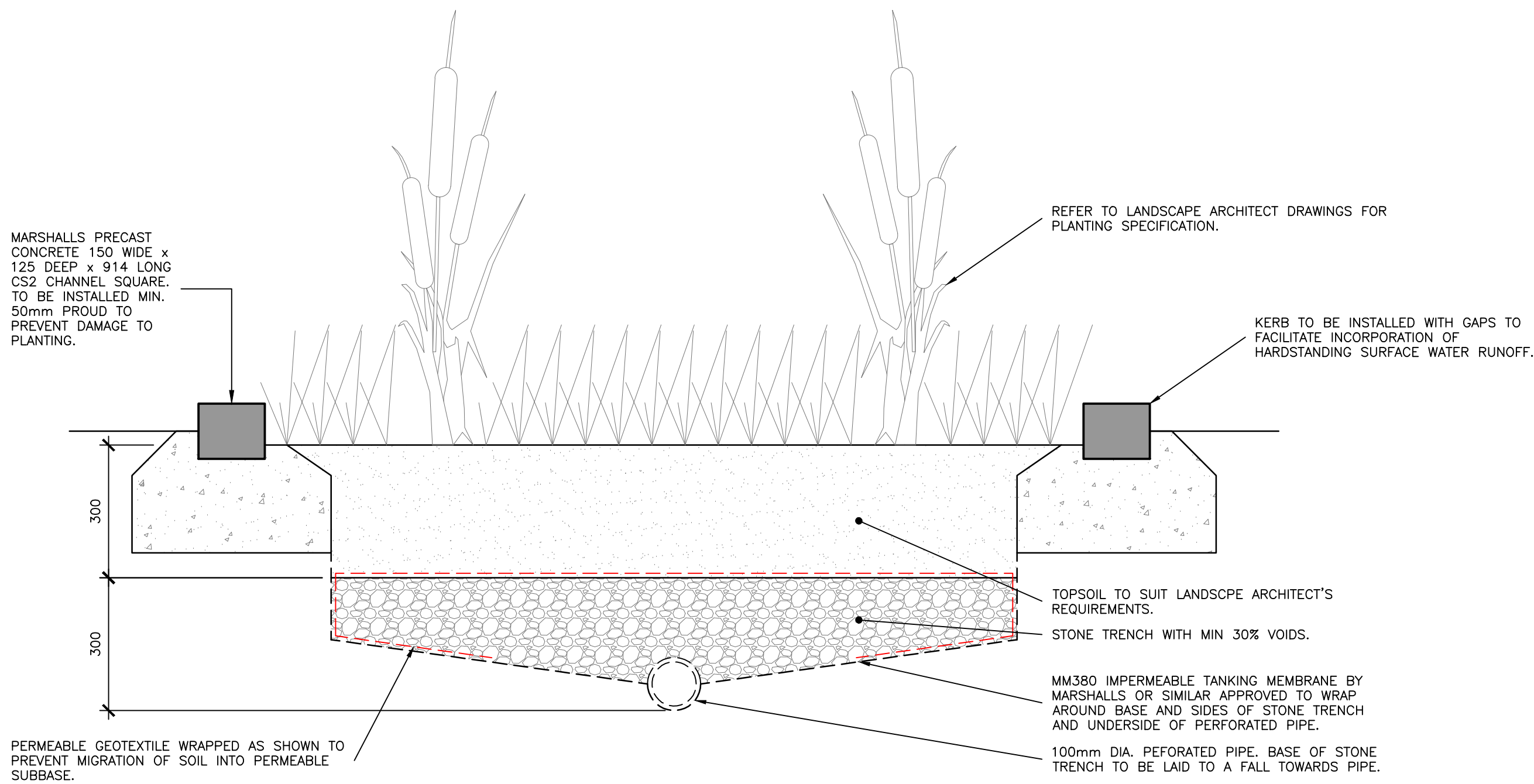
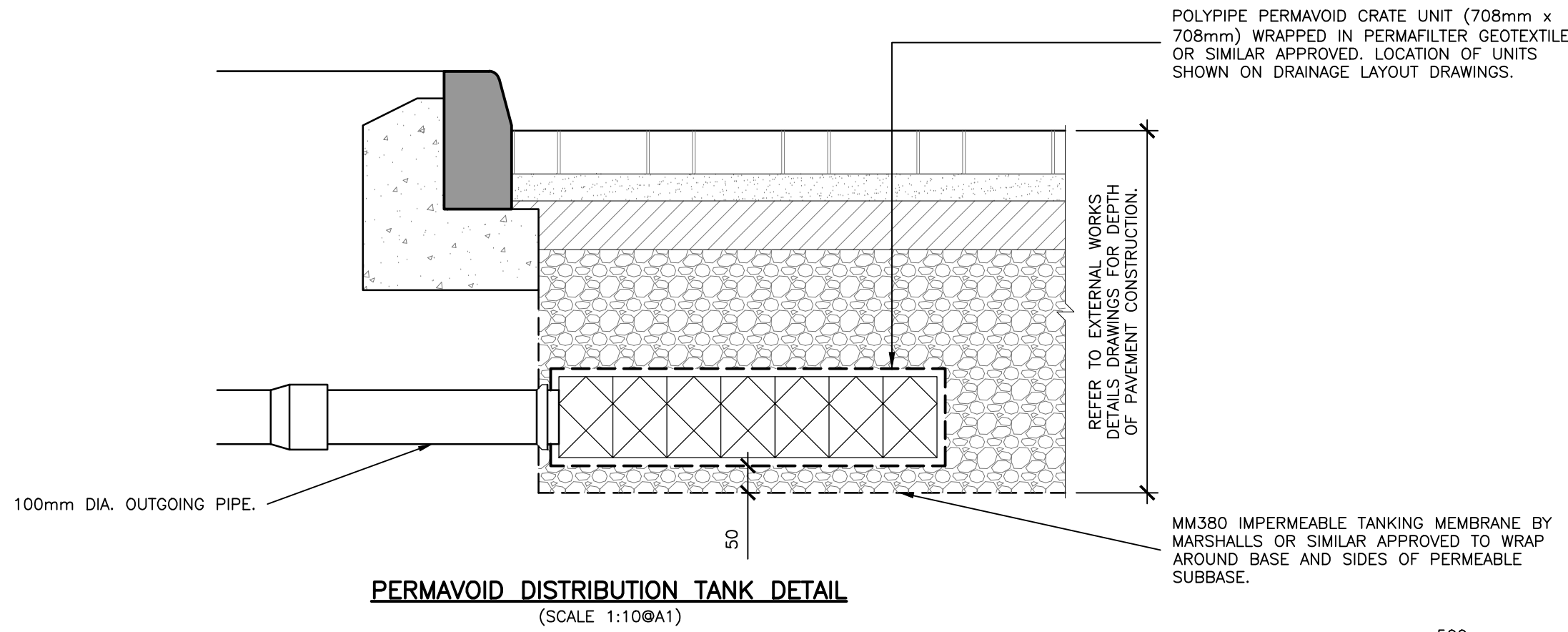
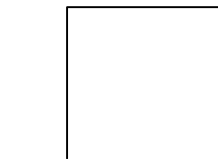


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P02	31.10.2025	STAGE 3 SUBMISSION	TA
P01	20.12.2024	PRELIMINARY ISSUES FOR COMMENT	TA
Rev.	Date	Description	By

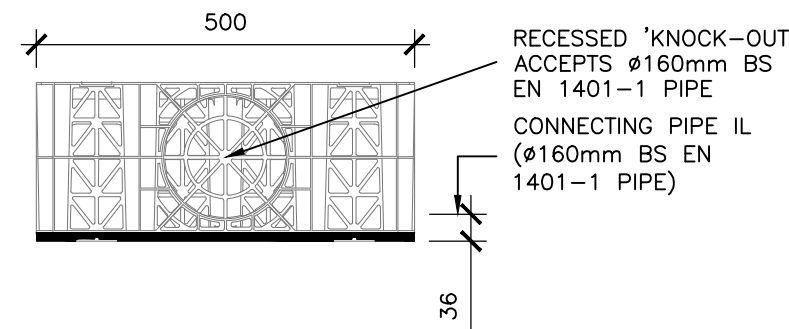
01489 890004 admin@archassociates.co.uk www.archassociates.co.uk	
Client LOVELL	Client project code DS0411
Architect HGP ARCHITECTS	
Project title PHASE 3, NORVARTIS SITE, HORSHAM, WEST SUSSEX.	

Drawing title
**DRAINAGE DETAILS,
SHEET 2.**

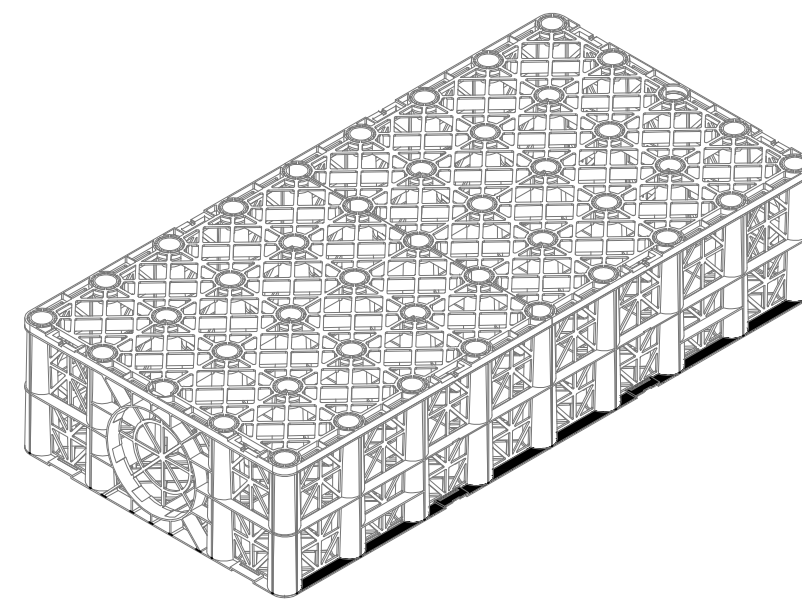
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Name Project code 17100	Originator Functional -AAL-	Drawn by Functional XX	Checked by Functional XX	Drawn by Functional D	Status Functional -C-5551-P03



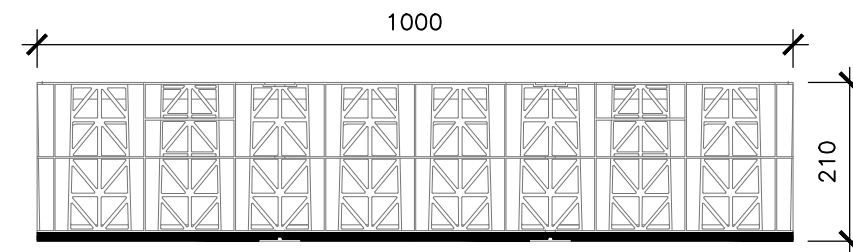
POLYSTORM_XTRA - PLAN VIEW
(SCALE 1:10@A1)



POLYSTORM_XTRA - END ELEVATION
(SCALE 1:10@A1)



POLYSTORM_XTRA - ISOMETRIC VIEW
(SCALE 1:10@A1)



POLYSTORM_XTRA - SIDE ELEVATION
(SCALE 1:10@A1)

NOTES

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KEY TO HEALTH AND SAFETY SYMBOLS

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INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION



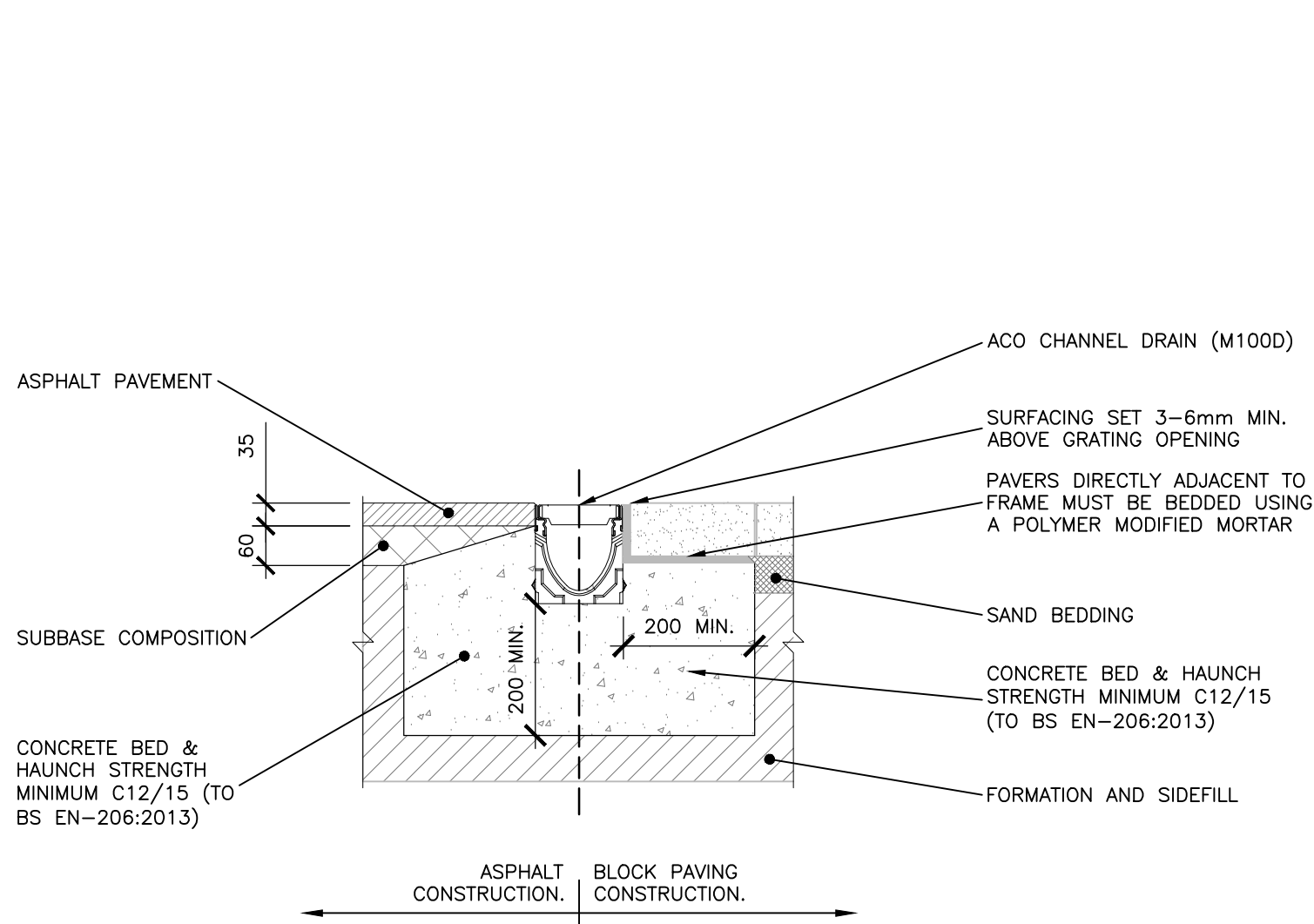
INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION



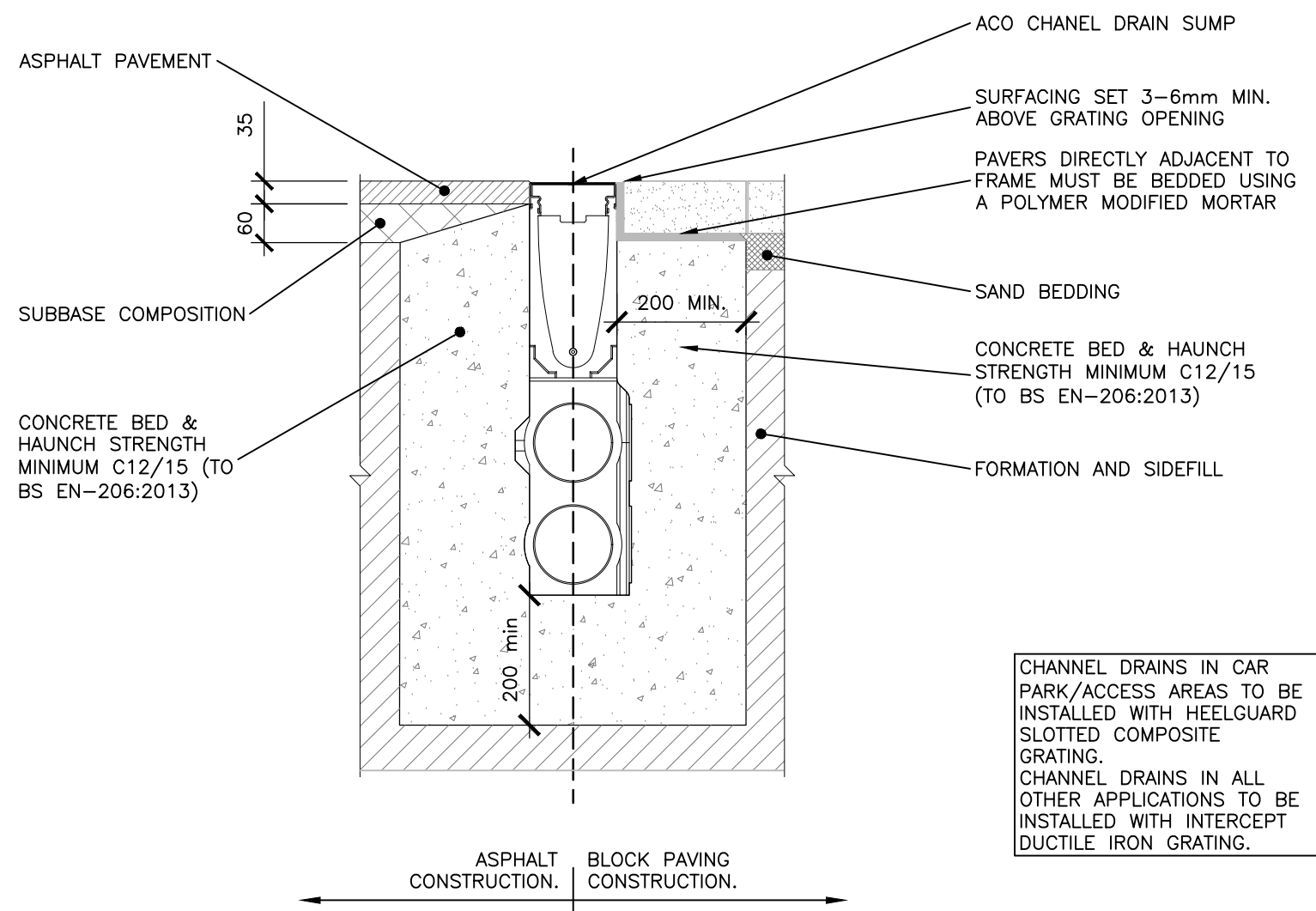
INDICATES A RESIDUAL RISK AS A WARNING



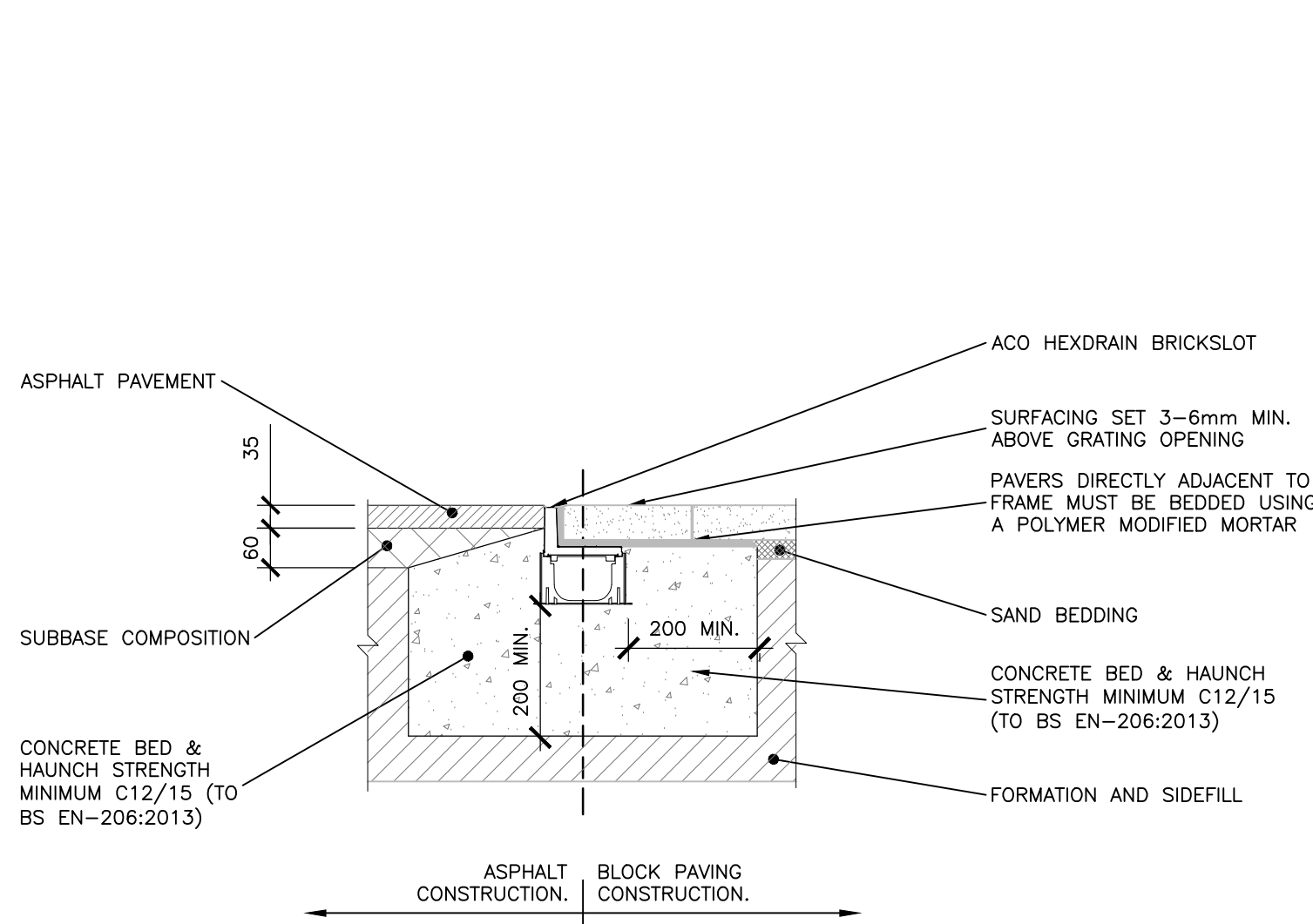
INDICATES A RESIDUAL RISK FOR INFORMATION



ACO CHANNEL DRAIN DETAIL
(1:10)



ACO CHANNEL DRAIN SUMP DETAIL
(1:10)



ACO HEXDRAIN BRICKSLOT DETAIL
(1:10)

P03	31.07.2026	STAGE 4 DESIGN	TA
P02	31.10.2025	STAGE 3 SUBMISSION	TA
P01	20.12.2024	PRELIMINARY ISSUES FOR COMMENT	TA
Rev.	Date	Description	By

01489 890004	
admin@archassociates.co.uk	
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Client	Client project code
LOVELL	DS0411

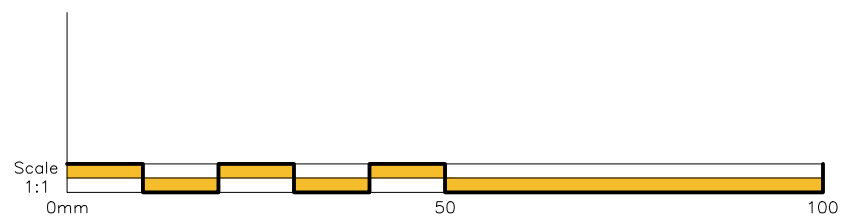
Architect
HGP ARCHITECTS

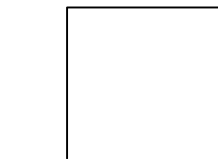
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**PHASE 3, NORVARTIS SITE,
HORSHAM, WEST SUSSEX.**

Drawing title
**DRAINAGE DETAILS,
SHEET 3.**

Scale	Paper size	Date	Drawn by	Checked by	Status
AS SHOWN	A1	DEC 2024	TA	CH	S3

Name	Project code	Originator	Functional	Spatial	Form	Issued	Number	Revision
	17100	-AAL	-XX	-XX	-D	-C	-5552	-P03





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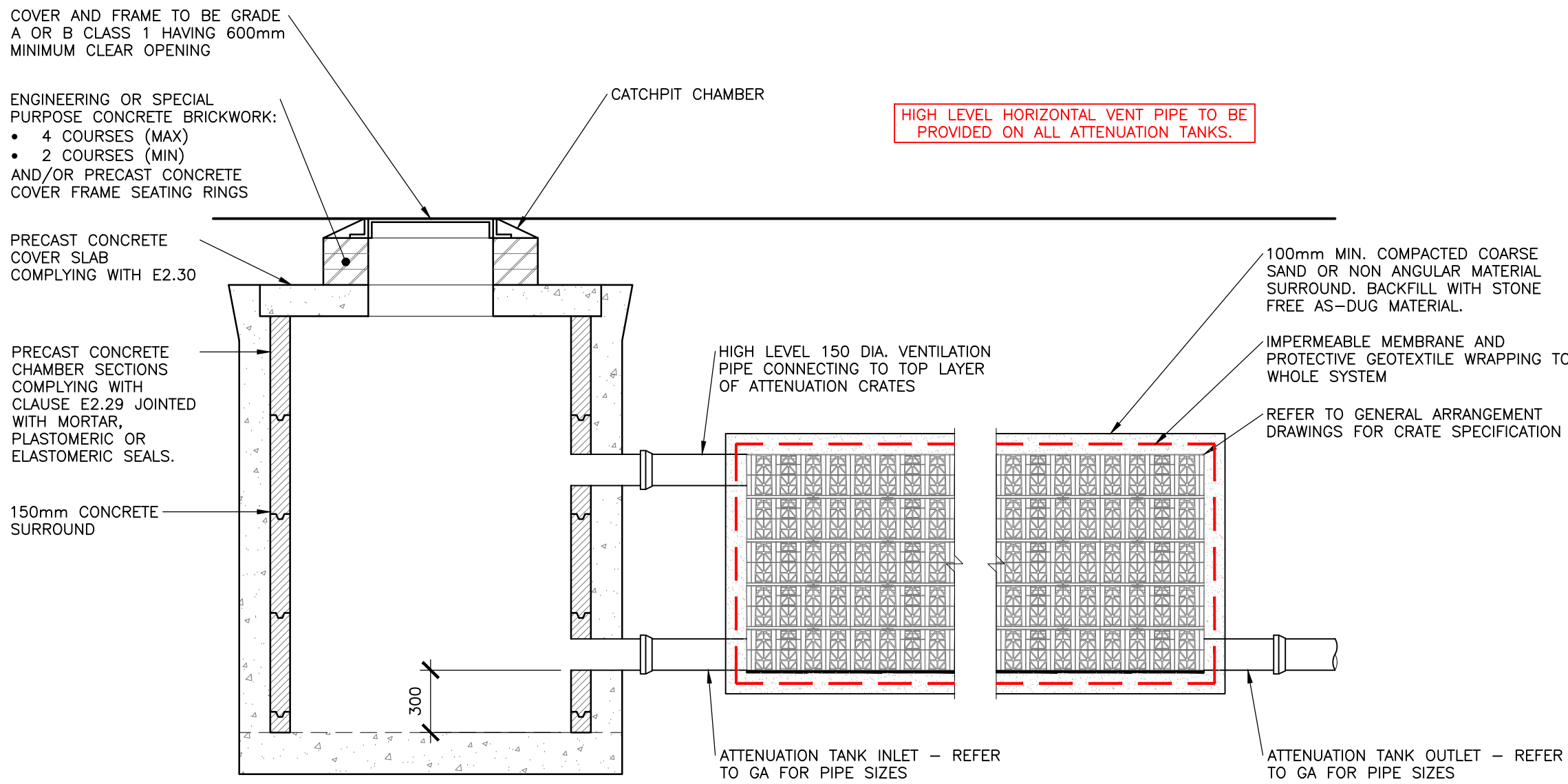
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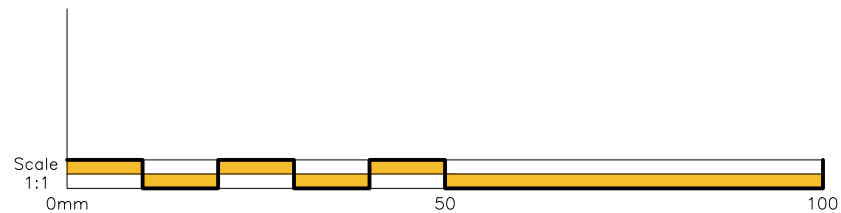
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- INDICATES A RESIDUAL RISK FOR INFORMATION



ATTENUATION TANK VENTILATION DETAIL
(1:25)



P01	31.07.2026	STAGE 4 DESIGN	TA
Rev.	Date	Description	By

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Client
LOVELL

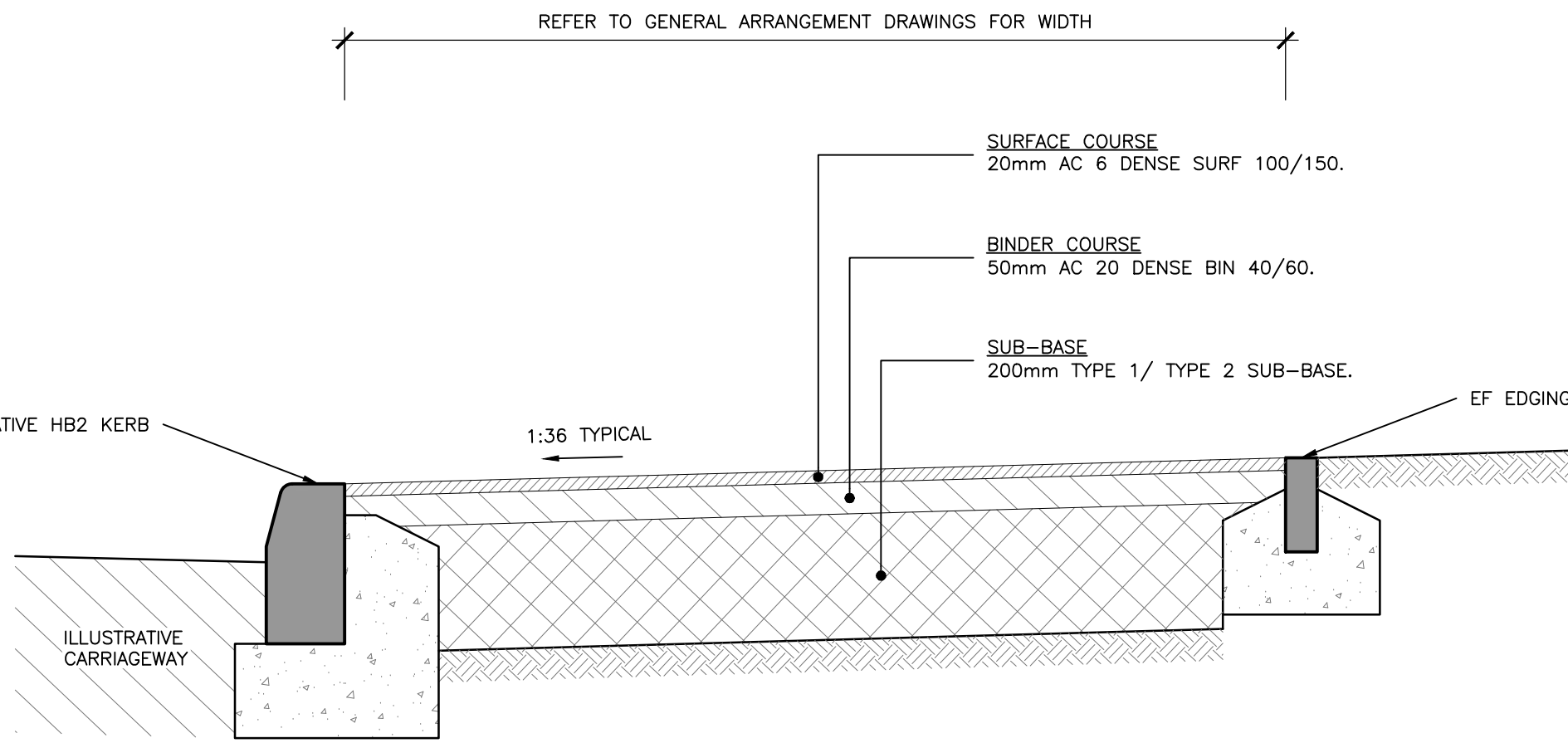
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Architect
HGP ARCHITECTS

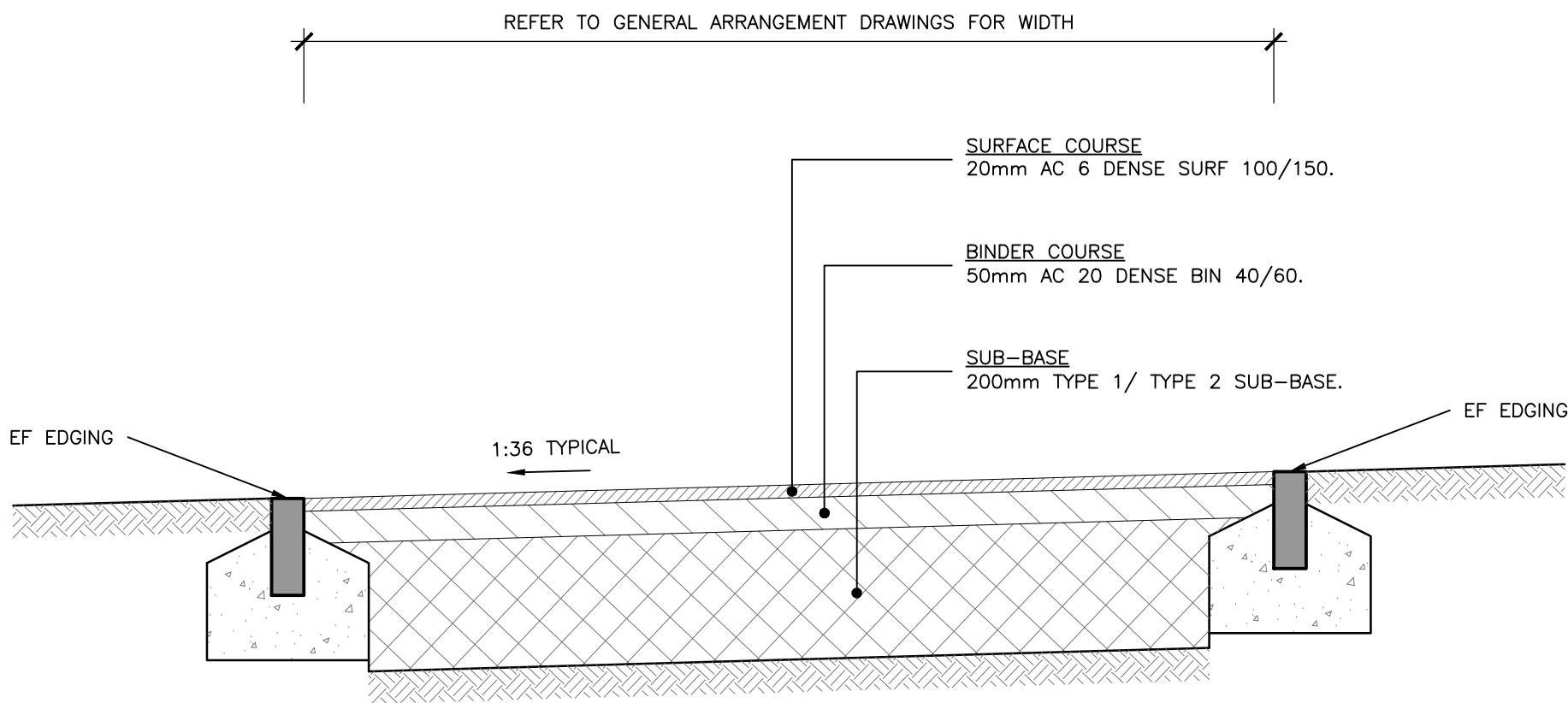
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**PHASE 3, NORVARTIS SITE,
HORSHAM, WEST SUSSEX.**

Drawing title
**DRAINAGE DETAILS,
SHEET 4.**

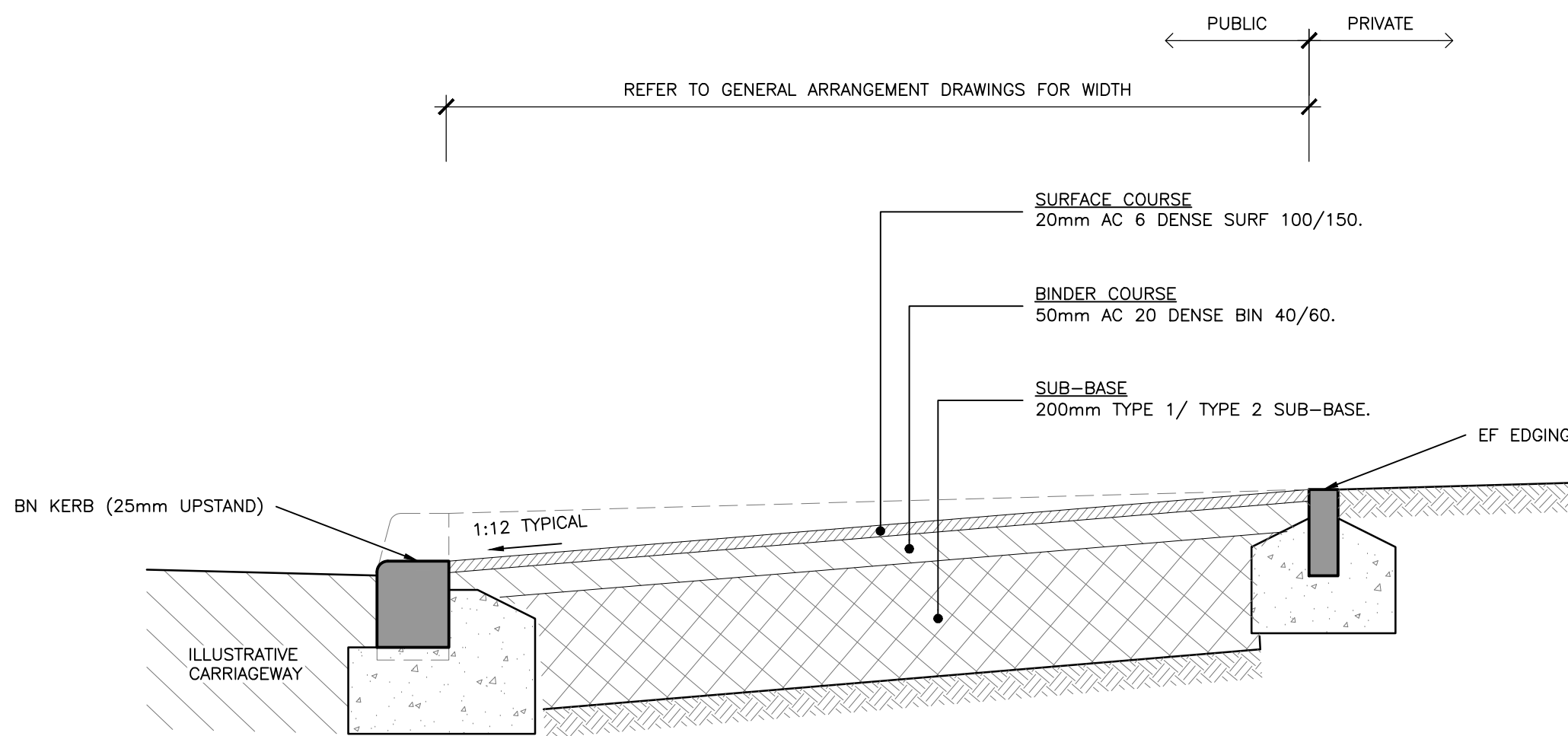
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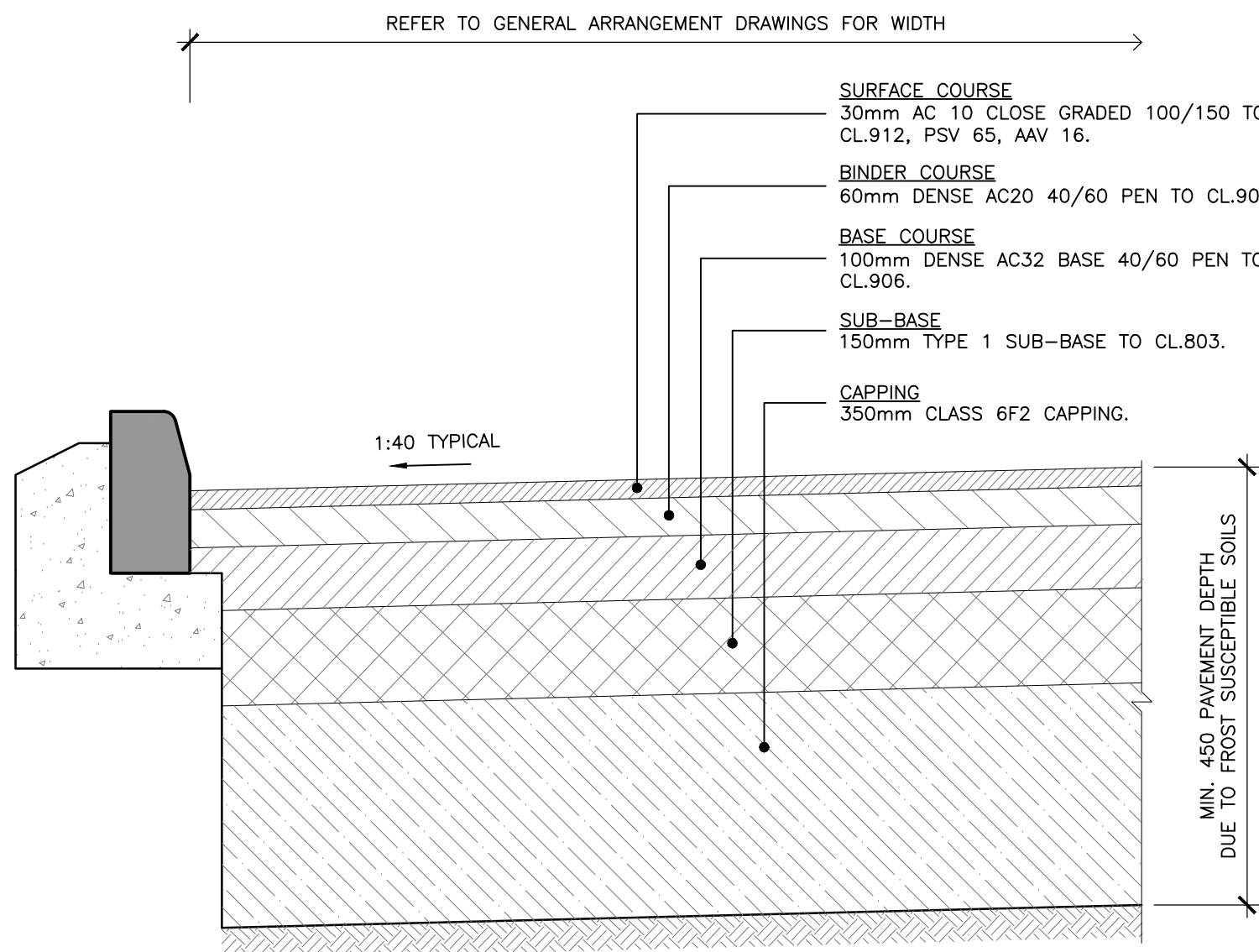
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(ADJACENT CARRIAGEWAY)
(IN ACCORDANCE WITH WSCC S278/38/04)**
(SCALE 1:10@A1)



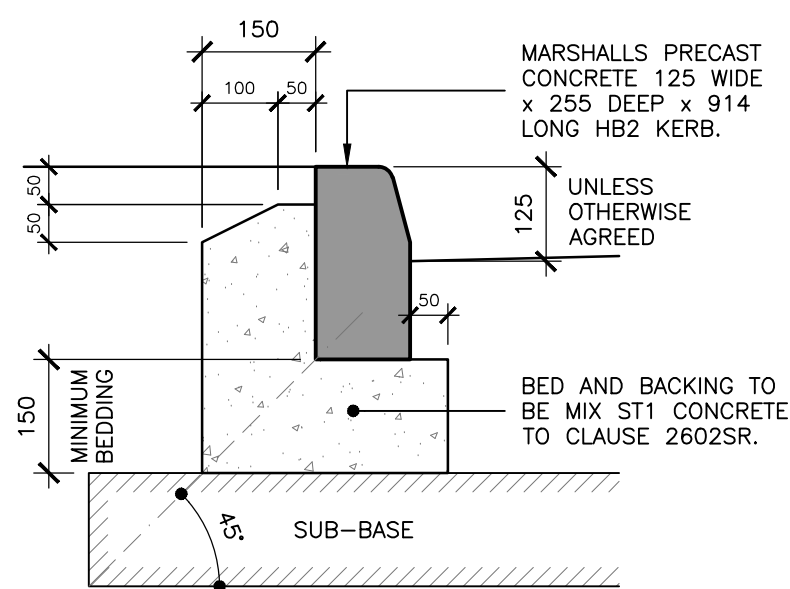
**TYPE 2 FLEXIBLE FOOTWAY CONSTRUCTION
(SEPARATE TO CARRIAGEWAY)
(IN ACCORDANCE WITH WSCC S278/38/04)**
(SCALE 1:10@A1)



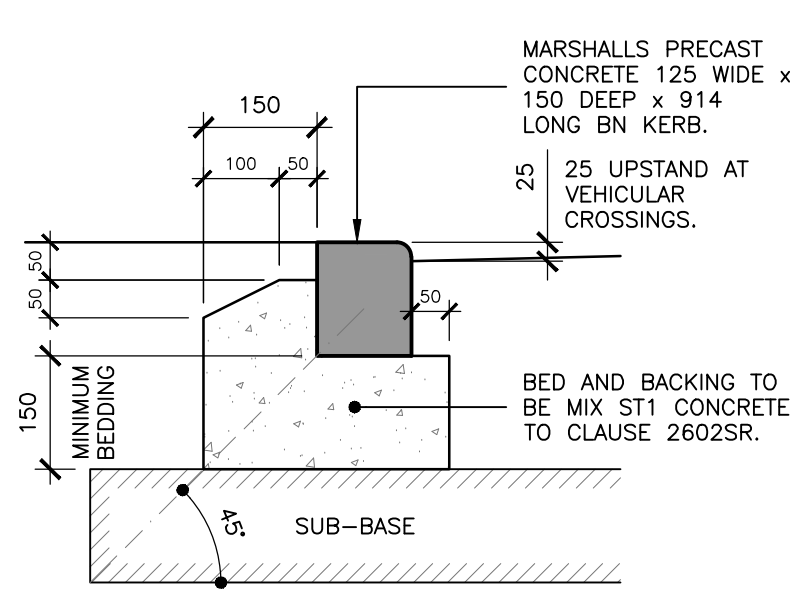
**TYPE 1 RESIDENTIAL FOOTWAY CROSSOVER
(IN ACCORDANCE WITH WSCC S278/38/07)**
(SCALE 1:10@A1)



**TYPE 1 FLEXIBLE CARRIAGEWAY CONSTRUCTION
(IN ACCORDANCE WITH WSCC S278/38/21
FOR <200 DWELLINGS)**
(SCALE 1:10@A1)

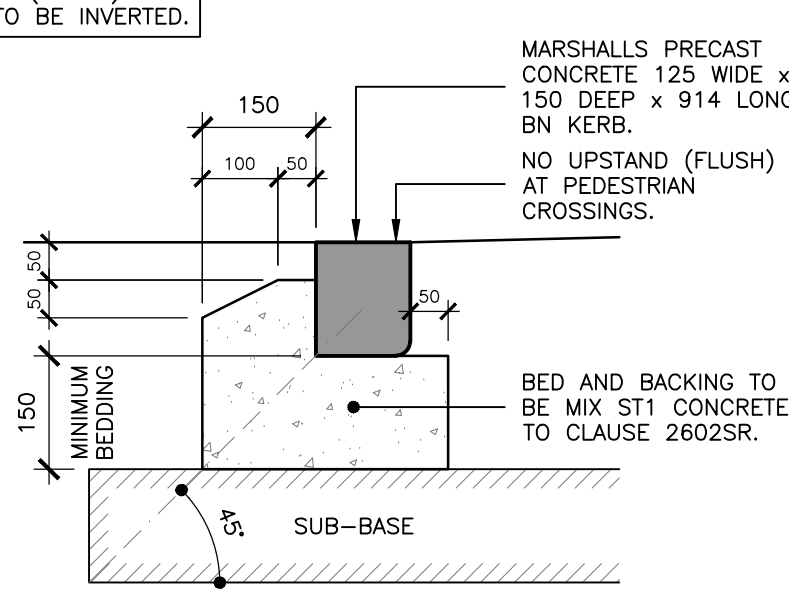


**125x255 HALF BATTERED KERB DETAIL
(IN ACCORDANCE WITH WSCC DWG
S278/38/02)**
[TYPE HB2 / 125 UPSTAND]
(SCALE 1:10@A1)

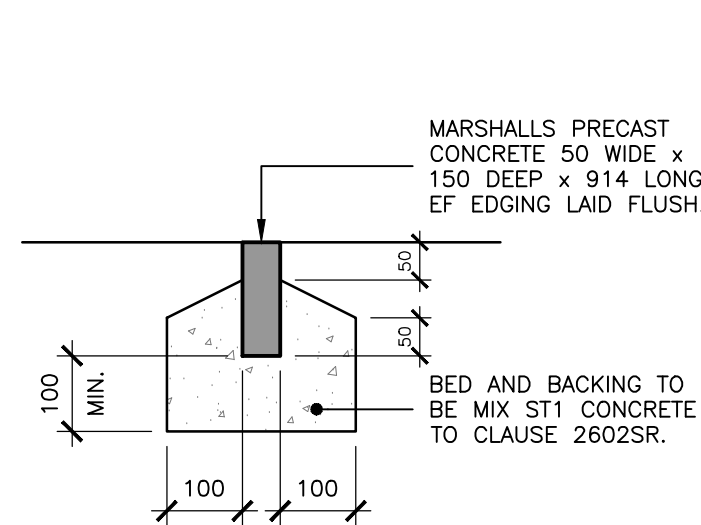


**125x150 BULLNOSED KERB DETAIL
(IN ACCORDANCE WITH WSCC DWG
S278/38/02)**
[TYPE BN / VEHICULAR CROSSINGS]
(SCALE 1:10@A1)

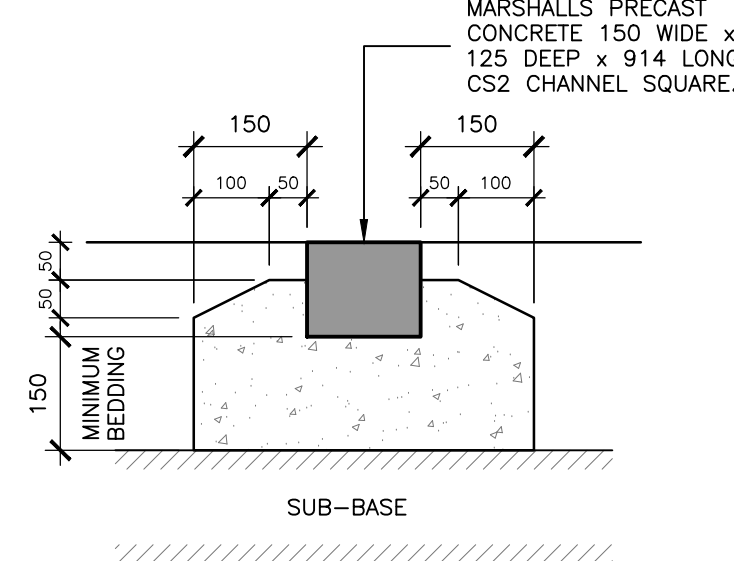
WHERE UPSTAND OF BN
KERB IS 0mm (FLUSH)
KERBS ARE TO BE INVERTED.



**125x150 BULLNOSED KERB DETAIL
(IN ACCORDANCE WITH WSCC DWG
S278/38/02)**
[TYPE BN / PEDESTRIAN CROSSINGS]
(SCALE 1:10@A1)



**50x150 FLAT TOP EDGING DETAIL
(IN ACCORDANCE WITH WSCC DWG
S278/38/02)**
[TYPE EF]
(SCALE 1:10@A1)



150x125 CHANNEL SQUARE DETAIL
[TYPE CS2]
(SCALE 1:10@A1)

NOTES

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INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION



INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION



INDICATES A RESIDUAL RISK AS A WARNING



INDICATES A RESIDUAL RISK FOR INFORMATION

CBR TO BE CONFIRMED

P01	31.07.2026	STAGE 4 DESIGN	TA
Rev.	Date	Description	By



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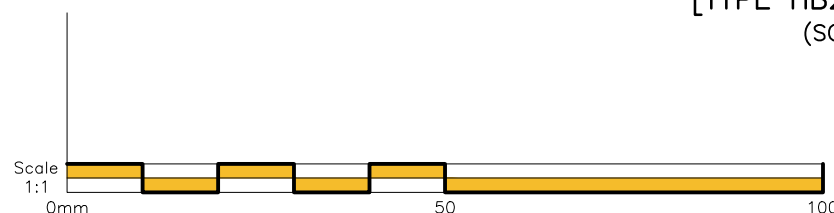
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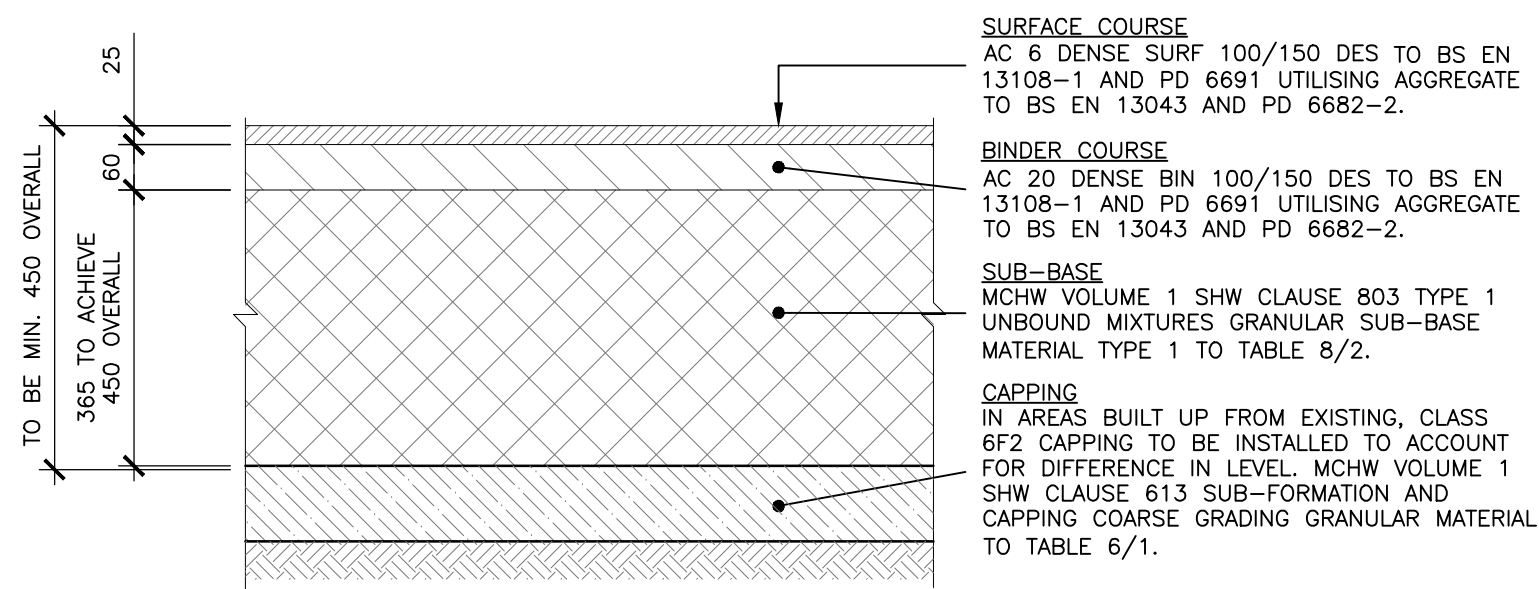
Architect
HGP ARCHITECTS

Project title
**PHASE 3, NORVARTIS SITE,
HORSHAM, WEST SUSSEX.**

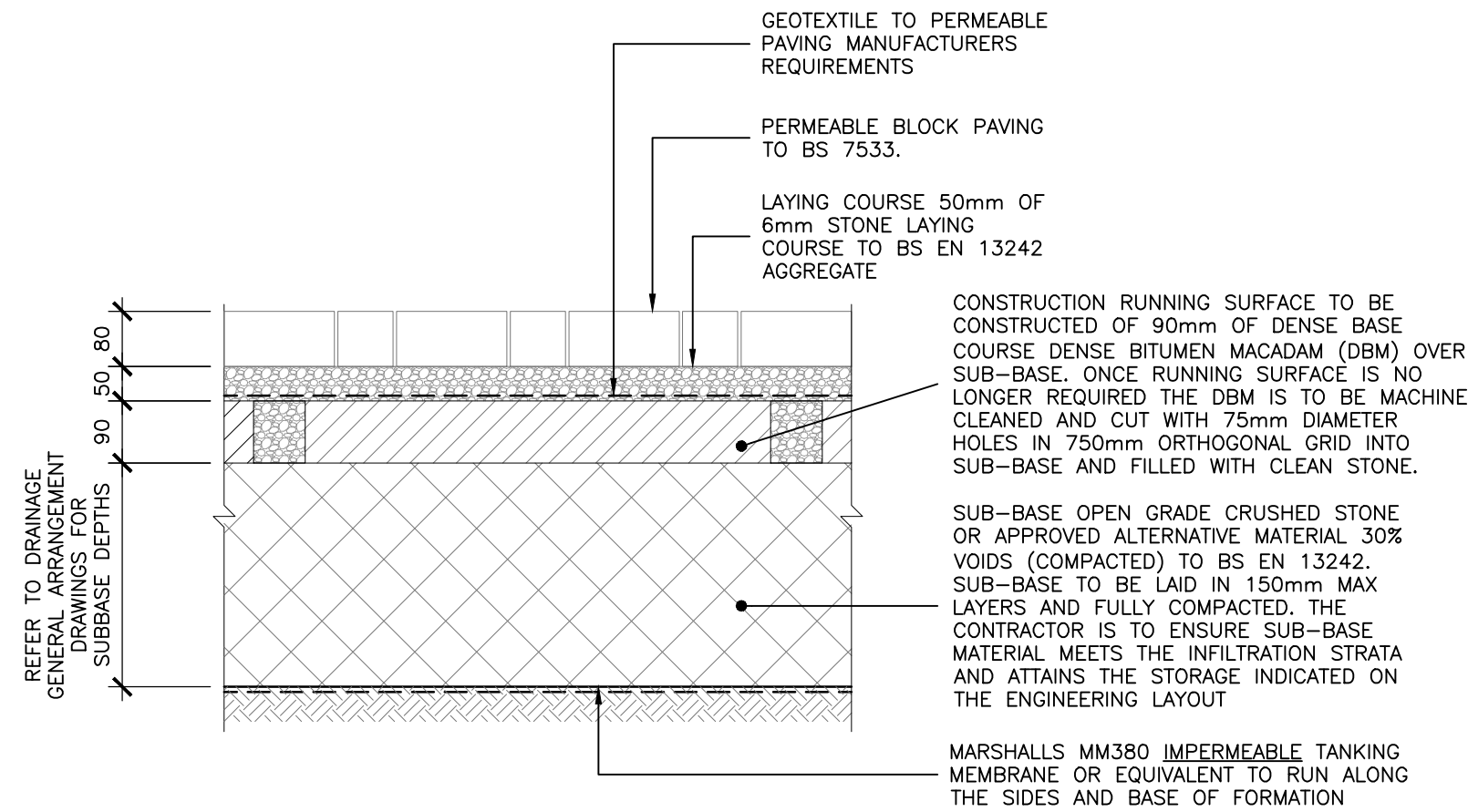
Drawing title
**EXTERNAL WORKS DETAILS,
SHEET 1.**

Scale AS SHOWN	Paper size A1	Date JUL 2026	Drawn by TA	Checked by CH	Status S3
Name Project code 17100	Originator -AAL-	Functional XX	Spatial XX	Form D	Number -C-5555-
Revision P01					

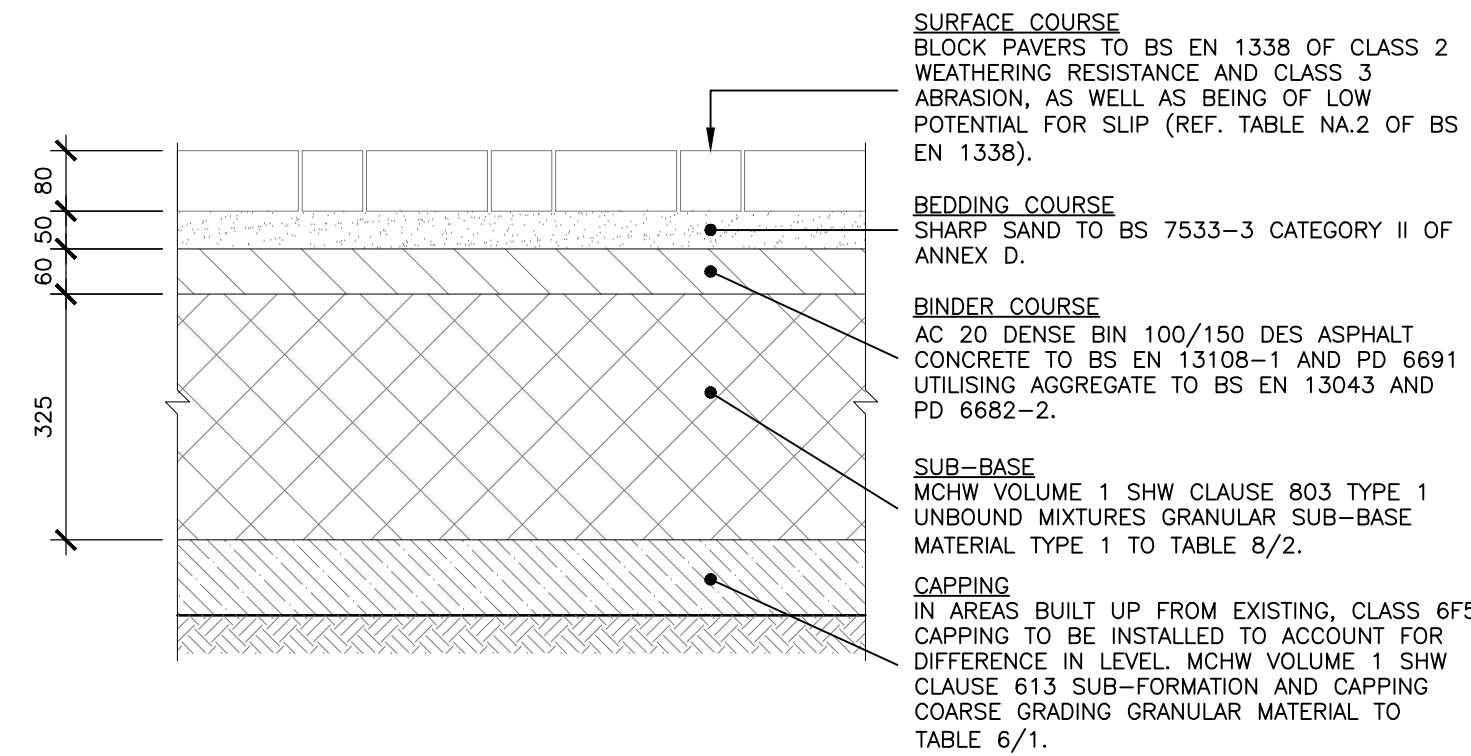




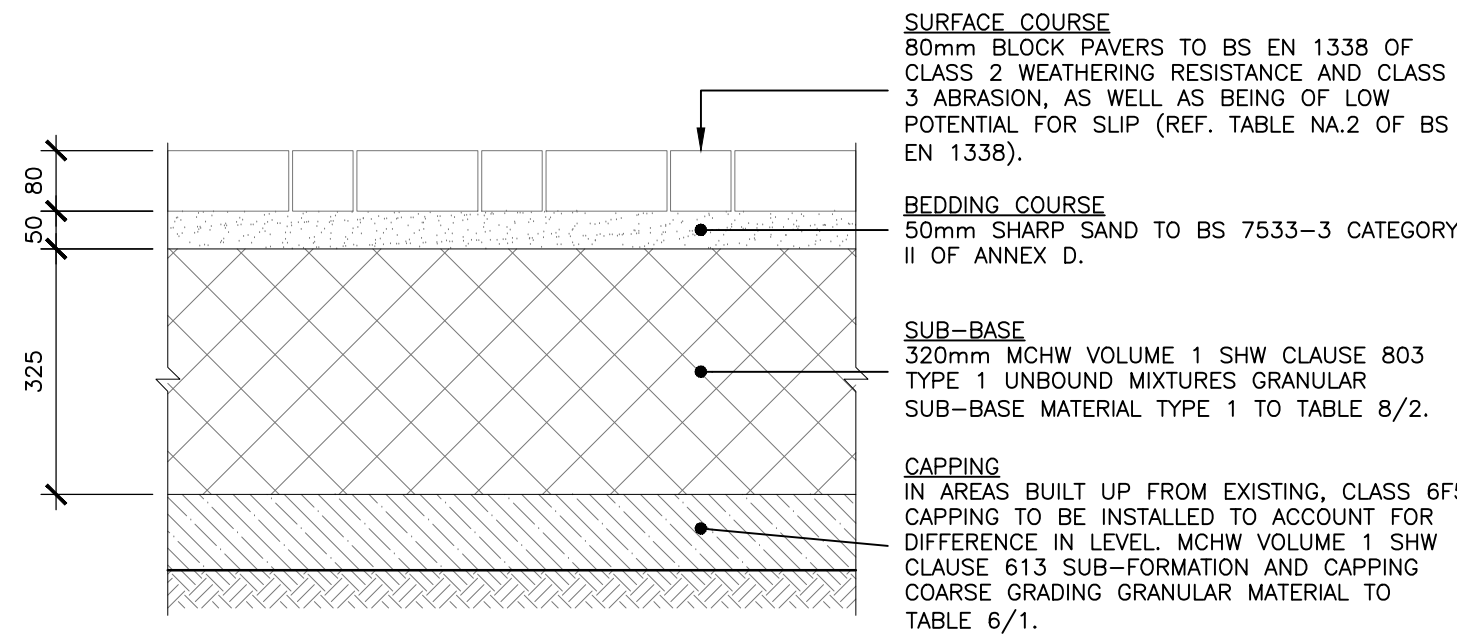
**ASPHALT PRIVATE PARKING
CONSTRUCTION DETAIL**
(SCALE 1:10@A1)



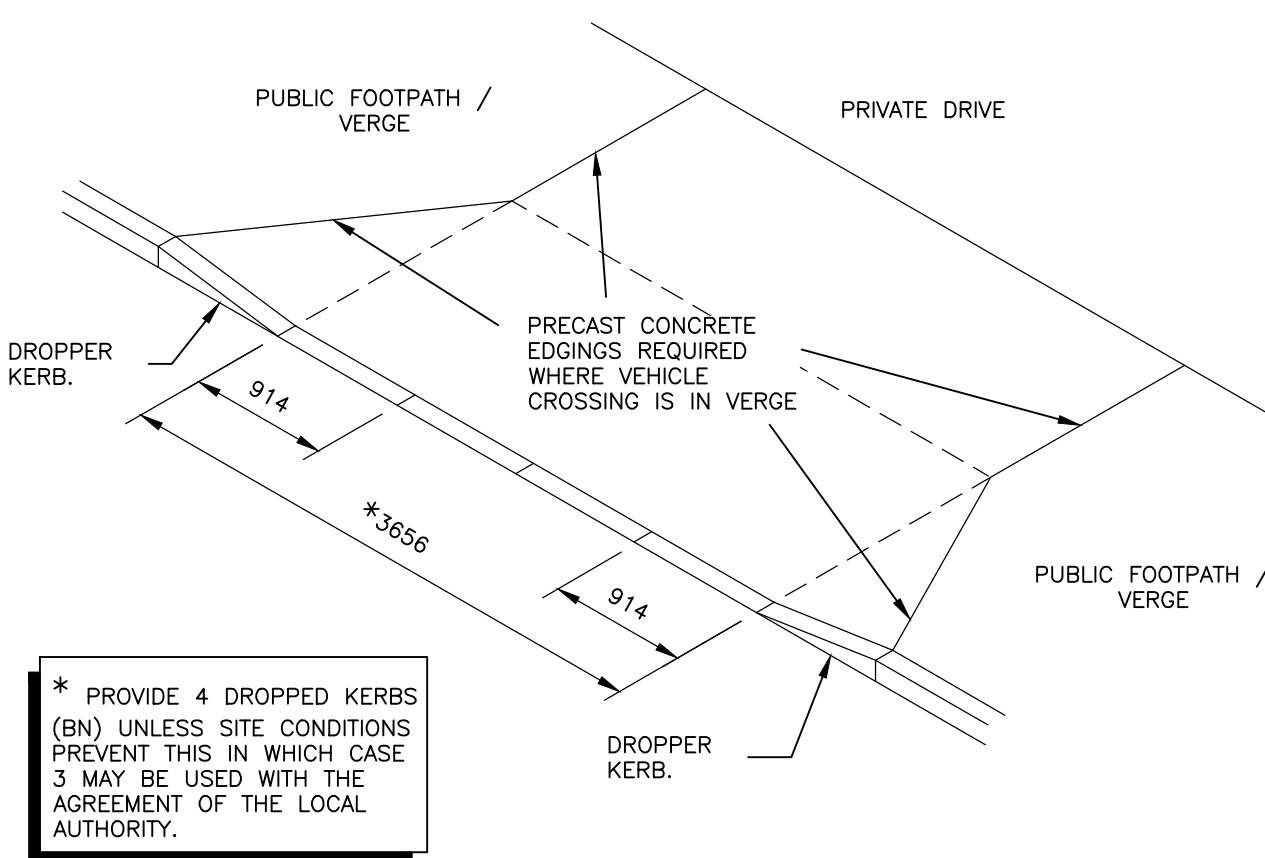
**LINED PERMEABLE BLOCK PAVED PRIVATE SHARED
PARKING AND ASSOCIATED ACCESS AREAS**
(SCALE 1:10@A1)



**IMPERMEABLE BLOCK PAVED PRIVATE ROADS
AND ROADSIDE PARKING**
(SCALE 1:10@A1)

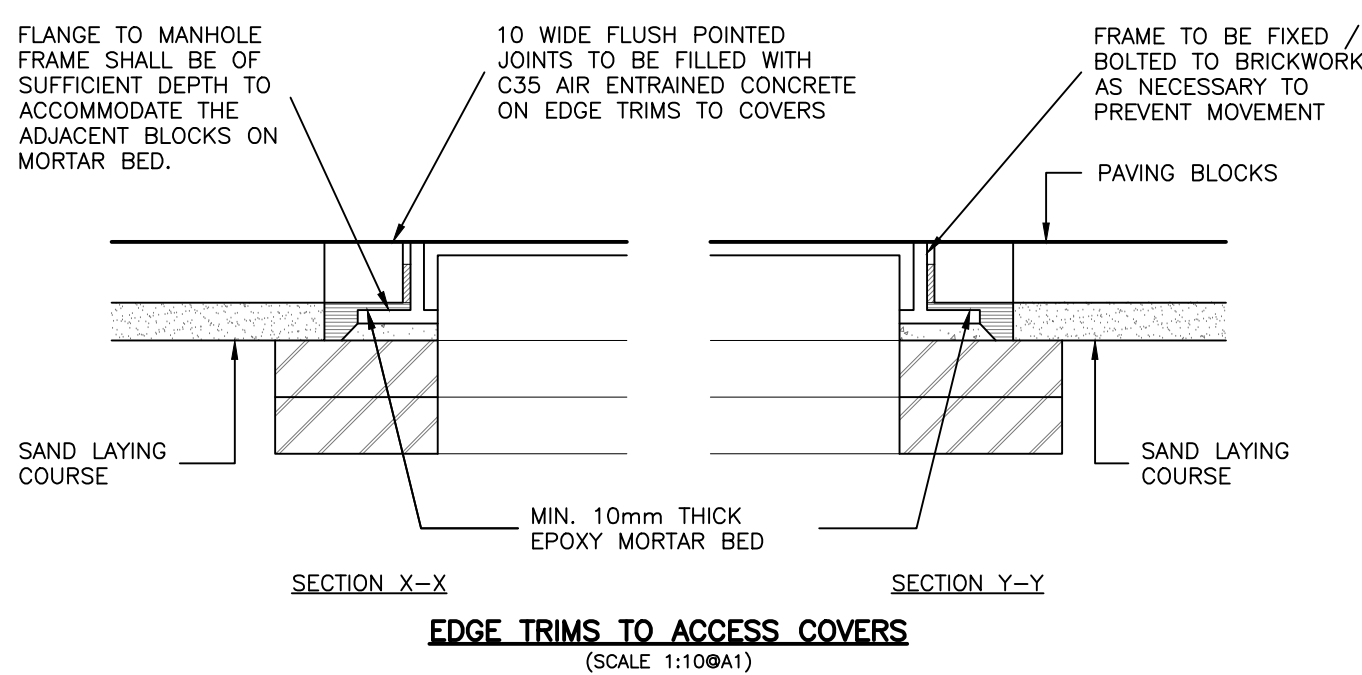
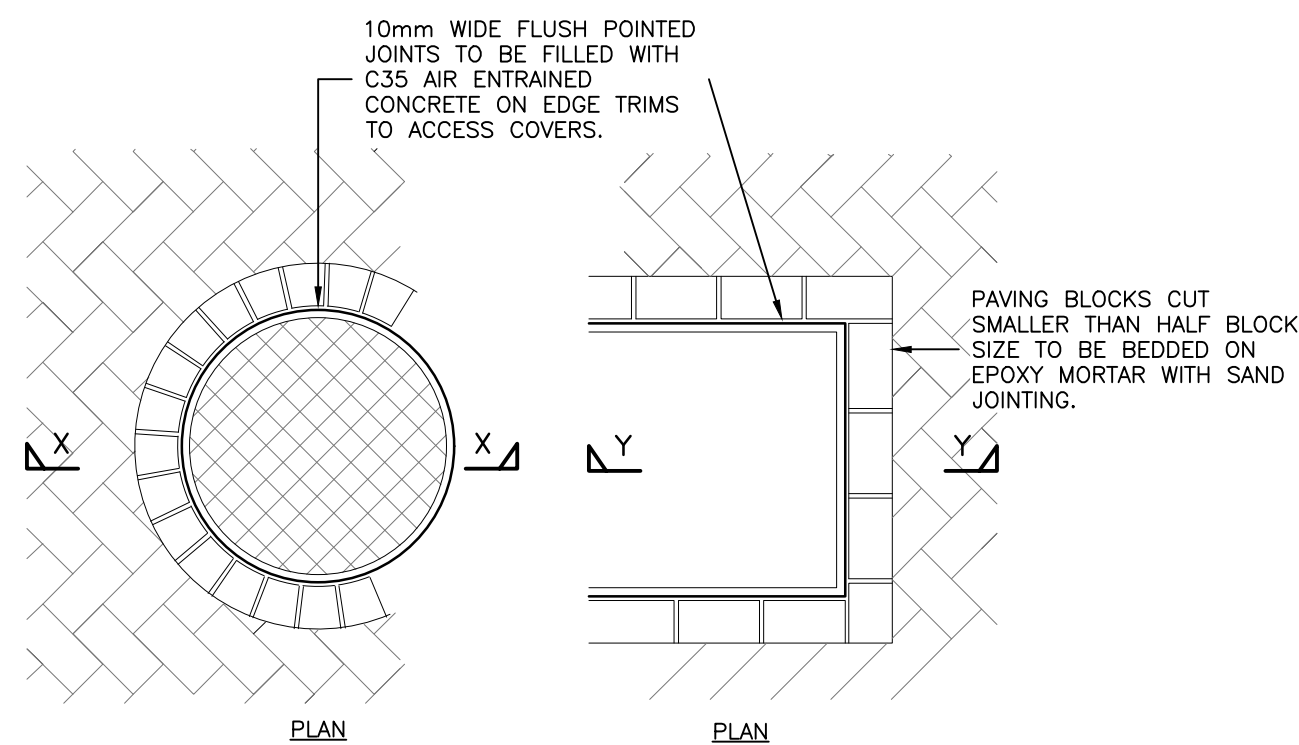


**IMPERMEABLE BLOCK PAVED PRIVATE DRIVEWAY
PARKING**
(SCALE 1:10@A1)



**VIEW ON VEHICLE CROSSING
(IN ACCORDANCE WITH WSCC DWG
S278/38/18)**
(SCALE 1:50)

- NOTES**
1. ALL DIMENSIONS ARE IN MILLIMETRES.
 2. PRECAST CONCRETE EDGINGS SHALL BE 150x50 TYPE EF TO BS EN 1340 REQUIRED AS EDGE RESTRAINT TO BACK OF FOOTWAY AND ADJOINING VERGE. WEATHER RESISTANCE CLASS 3, BENDING STRENGTH CLASS 2, ABRASION RESISTANCE CLASS 3, SLIP / SKID RESISTANCE MIN. P.P.T.V. 45.
 3. SUB-BASE SHALL BE ONE OF THE MATERIALS COMPLYING WITH CLAUSE 891AR OR 893AR
 4. THE GRADIENT OF THE DROPPED CROSSING SHALL BE 1 IN 12 MAXIMUM, BUT THE OVERSEEING ORGANISATION WILL DETERMINE THE PRECISE LOCATION AND GRADIENT ON SITE PRIOR TO CONSTRUCTION AND THE EXTENT OF ANY FLAT AREA AT REAR OF FOOTWAY.
 5. 4 DROPPED KERBS SHALL BE PROVIDED UNLESS SITE SPECIFIC CONDITIONS PREVENT THIS. A MINIMUM OF 3 DROPPED KERBS MAY BE USED WITH THE AGREEMENT OF THE OVERSEEING ORGANISATION.
 6. ANY EXCAVATION AND REINSTATEMENT IN FRONT OF THE NEW KERB SHALL BE DETERMINED BY THE OVERSEEING ORGANISATION.
 7. DIMENSION 'A' TO BE A MINIMUM OF 3.0m AND A MAXIMUM OF 4.8m. THE ACTUAL WIDTHS TO BE AGREED ON SITE TO SUIT PLANNING CONDITIONS.
 8. WHITE LINING AND SIGNAGE TO BE IN ACCORDANCE WITH THE TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS (TSRGD).
 9. SURFACE WATER RUN-OFF FROM DEVELOPMENT NOT TO ENTER HIGHWAY DRAINAGE SYSTEM.
 10. ANY REVISION TO DRAINAGE / GULLY LOCATIONS TO BE AGREED WITH THE HIGHWAY AUTHORITY.
 11. ACCESS CONSTRUCTION BEYOND THE HIGHWAY BOUNDARY WILL NOT BE ADOPTED.



EDGE TRIMS TO ACCESS COVERS
(SCALE 1:10@A1)

NOTES

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CBR TO BE CONFIRMED

P01	31.07.2026	STAGE 4 DESIGN	TA
Rev.	Date	Description	By



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Client
LOVELL

Client project code
DS0411

Architect
HGP ARCHITECTS

Project title
**PHASE 3, NORVARTIS SITE,
HORSHAM, WEST SUSSEX.**

Drawing title
**EXTERNAL WORKS DETAILS,
SHEET 2.**

Scale	Paper size	Date	Drawn by	Checked by	Status
AS SHOWN	A1	JUL 2026	TA	CH	S3
Name	Project code	Originator	Functional	Spatial	Form
		breakdown	breakdown	breakdown	breakdown
		Number	Revision		
		17100	-AAL- XX - XX - D - C	-5556-	P01