Runoff to Ponds 01 and O2 via. Gravity

Runoff to be pumped to Slurry Tanks

							Storn	nwater [rainage	- Chamb	er Sche	dule			
Manhole	Cover	MH Depth	Node Type	Manhol e	х	Y	Cover Loading	Pipe Out		Pipe Out Diameter	Pipes In	Pipes In Invert		Pipes In Backdrop	Remark
Name	Level (m)	(m)	, i	Diam.,L* W (mm)	Eastings	Northings	Class	PN	Level (m)	(mm)	PN	Level (m)		(mm)	Remark
S01	105.259	0.666	Rigistorm Separate Catchpit	600	360036.501	440289.729	B125	\$1.000	104.593	225					New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
S02	106.808	0.725	Rodding Eye		360020.768	440286.561	B125	\$2.000	106.083	225					Rodding Eye located inside catcpit S13.
S03	106.045	0.725	Rigistorm Separate Catchpit	600	360044.533	440307.283	B125	\$2.001	105.320	225	\$2.000	105.320	225		New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
S04	105.557	0.725	Rigistorm Separate Catchpit	600	360068.454	440330.460	B125	\$2.002	104.832	225	S2.001	104.832	225		New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
S05	105.200	0.858	Rigistorm Separate Catchpit	1200	360072.874	440326.622	B125	\$1.001	104.342	300	\$1.000	104.417	225		New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
			Rigistorm								S2.002	104.417	225		
S06	105.200	0.983	Separate Catchpit Rigistorm	1200	360110.315	440364.501	D400	\$1.002	104.217	300	\$1.001	104.217	300		New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
S07	105.322	0.666	Separate Catchpit	1200	360049.533	440276.959	B125	\$3.000	104.656	225					New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
S08	105.200	0.794	Rigistorm Separate Catchpit	1200	360085.878	440313.719	B125	\$3.001	104.406	300	\$3.000	104.481	225		New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
S09	105.182	1.083	Rigistorm Separate Catchpit	1200	360123.337	440351.644	D400	\$1.003	104.099	375	S1.002	104.174	300		New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
											\$3.001	104.174	300		
S10	105.222	0.666	Rigistorm Separate Catchpit	600	360062.487	440264.025	B125	54.000	104.556	225					New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
S11	105.200	0.820	Rigistorm Separate Catchpit	600	360098.876	440300.905	B125	\$4.001	104.380	225	\$4.000	104.380	225		New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
S12	105.202	1.228	Rigistorm Separate Catchpit	1500	360136.449	440338.879	D400	\$1.004	103.974	450	\$1.003	104.049	375		New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
											\$4.001	104.199	225		
S13	106.795	0.665	Rigistorm Separate Catchpit	1200	360022.435	440284.874	B125	\$5.000	106.130	225					New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
S14	106.400	0.666	Rigistorm Separate Catchpit	1200	360060.474	440249.887	B125	\$5.001	105.734	225	\$5.000	105.735	225		New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
S15	105.961	0.666	Rigistorm Separate Catchpit	1200	360094.945	440284.705	B125	\$5.002	105.295	225	\$5.001	105.295	225		New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
S16	105.332	0.666	Rigistorm Separate Catchpit	1200	360119.256	440314.404	B125	\$5.003	104.666	225	\$5.002	104.666	225		New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
S17	105.175	1.495	Inlet Headwall to Pond 01	1500	360151.001	440324.335	B125	\$1.005	103.680	450	\$1.004	103.680	450		Althon or Sandbag Outlet Headwall
											\$5.003	103.905	225		
S18	105.068	1.517	Hydro-brake Flow Control Chamber	1500	360166.812	440327.133	D400	\$1.006	103.551	225	\$1.005	103.551	450		Design Head: 1.2m, Design Flow: 3.0 l/s. Controls flow past this chamber to maximum 3.0 l/s in the event of all storms up to and including the 100-year + 40% CC storm event.
S19	104.340	0.800	Rigistorm Separate Catchpit	1200	360269.345	440257.848	D400	\$6.000	103.540	300					New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
S20	104.360	0.970	Rigistorm Separate Catchpit	1200	360240.204	440285.486	D400	\$6.001	103.390	300	\$6.000	103.390	300		New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
S21	104.389	1.148	Rigistorm Separate Catchpit	1200	360207.804	440315.892	D400	\$6.002	103.242	300	\$6.001	103.242	300		New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
S22	104.790	1.636	Hydro-brake Flow Control Chamber	1200	360215.384	440357.582	D400	\$6.003	103.154	150	\$6.002	103.154	300		Design Head: 1.2m, Design Flow: 3.01/s. Controls flow past this chamber to maximum 3.01/s in the event of all storms up to and including the 100-year + 40% CC storm event.
S23	104.880	1.809	CDG Type B Manhole	1200	360212.235	440365.768	C250	\$1.007	103.071	300	\$1.006	103.071	225		New Manhole. Provide a 650mm x 650mm Access Cover.
											S6.003	103.071	150		
S24	103.889	1.384	CDG Type C Manhole	1200	360266.740	440423.897	C250	S1.008	102.505	300	\$1.007	102.505	300		New Manhole. Provide a 650mm x 650mm Access Cover.
S25	102.500	0.892	CDG Type D Manhole	1200	360377.757	440483.980	C250	\$1.009	101.608	300	\$1.008	101.608	300		New Manhole. Provide a 650mm x 650mm Access Cover.
S26	102.400	0.891	Intlet Headwall to proposed swale		360374.901	440497.568		\$1.010	101.509	150	\$1.009	101.509	300		Althon or Sandbag Outlet Headwall
S27	100.900	0.891	Dummy, part of proposed swale		360412.722	440505.058		S1.011	100.009	150	\$1.010	100.009	150		Placeholder, no chamber here: part of a proposed swale.
S34	104.300	0.750	Diversion Chamber	1200	360253.372	440299.219	B125	\$8.000	103.550	300		103.550			New Chamber. Diversion Chamber.
SexDitch	99.100	0.750	Outlet Headwall to		360421.730	440546.437			OUTFALL		\$1.011	98.350	150		Free-falling Outfall to existing watercourse. Surveyed Top Water Level of the existing watercourse was 98.120m.

						Run	off to be	pumped	to Slurr	y Tanks -	- Chamb	er Sched	ule	
Manhole Name	Cover Level (m)	MH Depth (m)	Node Type	Manhol e Diam.,L* W (mm)	X Eastings	Y Northings	Cover Loading Class	Pipe Out PN	Pipe Out Invert Level (m)	Diameter	Pipes In PN		Diameter	
S30	105.085	1.425	Rigistorm Separate Catchpit	600	360127.614	440357.159	D400	\$7.000	104.425	225				New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
S31	102.200	1.425	Rigistorm Separate Catchpit	600	360141.335	440343.766	D400	\$7.001	103.775	225	\$7.000	103.775	225	New Inspection Chamber. Provide a 350mm x 350mm Access Cover.
S32	104.400	1.425	Diversion Chamber	1200	360208.173	440311.318	B125	\$7.002	102.975	225	\$7.001	102.975	225	New Chamber. Diversion Chamber.
S33	104.400	104.650	Pumping Chamber	1200	360212.531	440315.741	B125	\$7.003	102.935	80	S7.002	102.935	225	New Surface Water Pumping Station.

Safety, Health & Environmental Information: In addition to the hazards and risks normally associated with the types of work detailed on this drawing, please note the significant hazards identified by symbols below,

INDICATES A RESIDUAL RISK AS A WARNING

INDICATES A RESIDUAL RISK FOR INFORMATION

and described below:

Construction/Maintenance/Cleaning/Demolition Refer to Drawing:

General Notes:

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2. All dimensions are in millimetres (mm), all levels in metres (m) unless noted otherwise.

3. Discrepancies or omissions are to be reported to the Engineer prior to work commencing.

4. Materials and workmanship are to comply in all respects with current British Standard Specifications, Codes of Practice, and Building Regulations Approved Documents.

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6. The Contractor is to check and verify all building and site dimensions, levels and sewer invert levels at connection points before work commences.

7. This drawing is to be read in conjunction with all relevant specifications and drawings issued by the Engineer, Architect and other Specialists.

NOTE:

1.For Drainage Plan Layout refer to drawings CSH-BML-XX-XX-DR-C-0500.

2. For Catchment Areas refer to drawings CSH-BML-XX-XX-DR-C-0505 & 0509.

3. For Flood Flow Analysis refer to drawings CSH-BML-XX-XX-DR-C-0506& 0507.

4. For Drainage Details refer to drawings CSH-BML-XX-XX-DR-C-0501 to 0503.

5. Pipe material shall be as follows: 100Ø to 225Ø - Vitrious Clay Class 120 to BS EN 295.

All pipes to have Class S bedding as per detail on drawing CSH-BML-XX-XX-DR-C-0501 unless otherwise specified.

P03	IW/AM	28/02/2024	Drainage details updated
P02	DH/AM	06/02/2024	Schedules updated
P01	DH/AM	26/01/2024	Preliminary Issue
Rev	By / Chk'd	Date	Description

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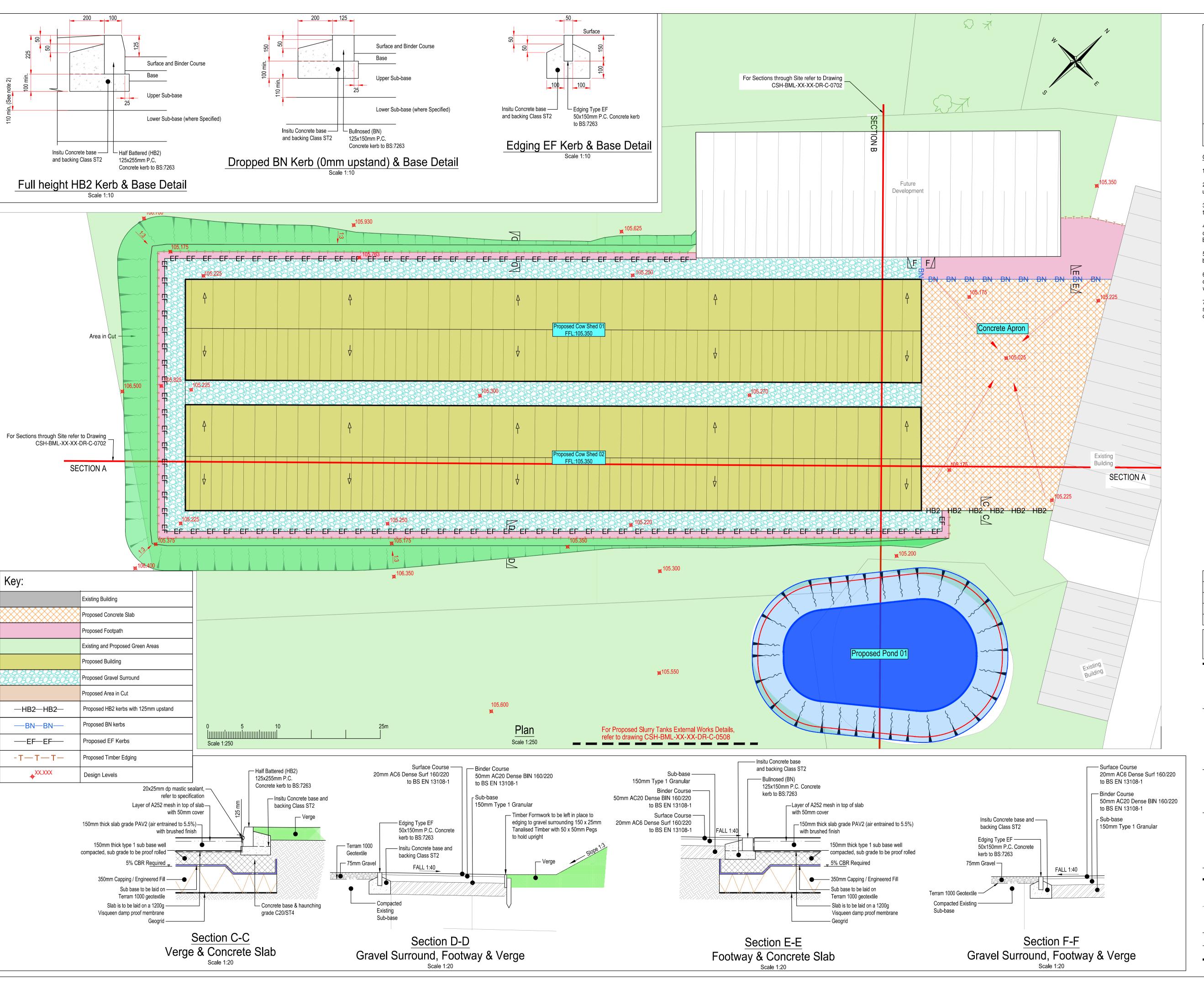
BarnsleyMarshall Limited 1 Birch Court Blackpole East Worcester WR3 8SG

Tel: 01905 330550 Email: design@barnsleymarshall.co.uk Web: www.barnsleymarshall.co.uk

Cow Shed Elmridge Lane, Preston, PR3 2NY

Proposed Surface Water Stormwater Manhole & Pipe Schedules

By/Chk'd	RA/GM	Date	05/04/2023
Drawing No			Revision
CSH-L	BML-XX-XX-DF	R-C-0504	P03
BML Job No).		Status
1000-0	05		-



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Notes:

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- 3. Frost susceptibility All materials, including sub-grade within 450mm of the finished road level shall be non-frost susceptible. Where the sub-grade is within 450mm of the finished road level, it shall be tested for frost susceptibility and if found to be so, shall be removed and replaced with suitable non-frost susceptible material to Clause 602.19 of the Specification for Highway Works.
- 4. Bituminous sealing grit to be applied to binder course if left exposed for more than 5 days.
- 5. Sub formation / formation shall be proof rolled and any soft spots removed and replaced with adequately compacted 6F2 material. Testing to be undertaken to ensure a minimum CBR of 2.5% is achieved at any point.
- To ensure continuity of foundation drainage at all times, the bottom
 of new sub-base must not be above the bottom of existing sub-base,
 therefore thickness of new sub-base to be increased to match
 bottom of existing sub-base where necessary.
- All bound surfaces shall be treated with Polymer modified bond coat prior to placing of each successive layer to BS434 and in accordance SHW clause 920.

8. All Retaining Walls to have Edge protection to Architecture Details
P04 DH/AM 06/02/2024 External Details updated

P04	DH/AM	06/02/2024	External Details updated
P03	DH/AM	26/01/2024	External Details updated
P02	DH/AM	15/08/23	Details updated
P01	DH/AM	2/07/2023	Preliminary Issue
Rev	By / Chk'd	Date	Description

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Project

Cow Shed Elmridge Lane, Preston, PR3 2NY

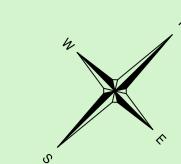
Drawing

CAD Filename:

External Works 01
Main Site

Drawing No.			Revision
CSH-BML	-XX-XX-DR-C-070	0	P04
BML Job No.			Status
1000-05			-

Proposed Pond 02 × 104.250 Proposed Slurry Tank 02 6m wide concrete apron — Proposed Slurry Tank 01





Key:	
	Proposed Slurry Tank
	Proposed Concrete Slab
	Existing and Proposed Green Areas
	Proposed Gravel Surround
—HB2—HB2—	Proposed HB2 kerbs with 125mm upstand
♦XX.XXX	Design Levels

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- 8. All Retaining Walls to have Edge protection to Architecture

P03	DH/AM	26/02/2024	External Details updated
P02	DH/AM	06/02/2024	External Details updated
P01	DH/AM	15/08/23	Preliminary Issue
Rev	By / Chk'd	Date	Description

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WR3 8SG

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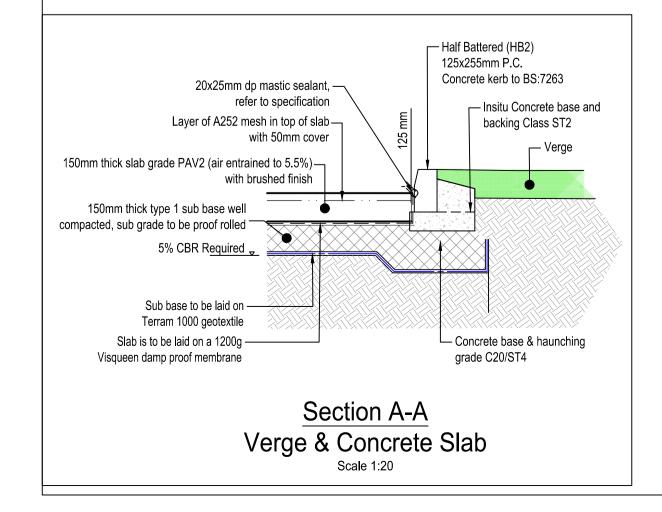
Drawing

External Works 02 Slurry Tanks

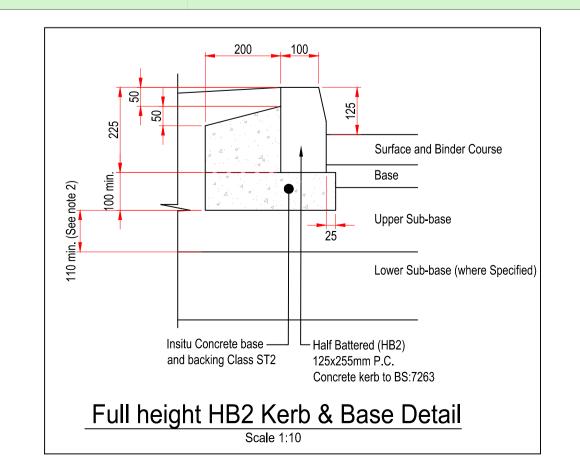
By/Chk'd	RA/GM	Date 05/	04/2023
Drawing No.			Revision
CSH-E	BML-XX-XX-DR-C	-0701	P03
			Status
BML Job No	l.		

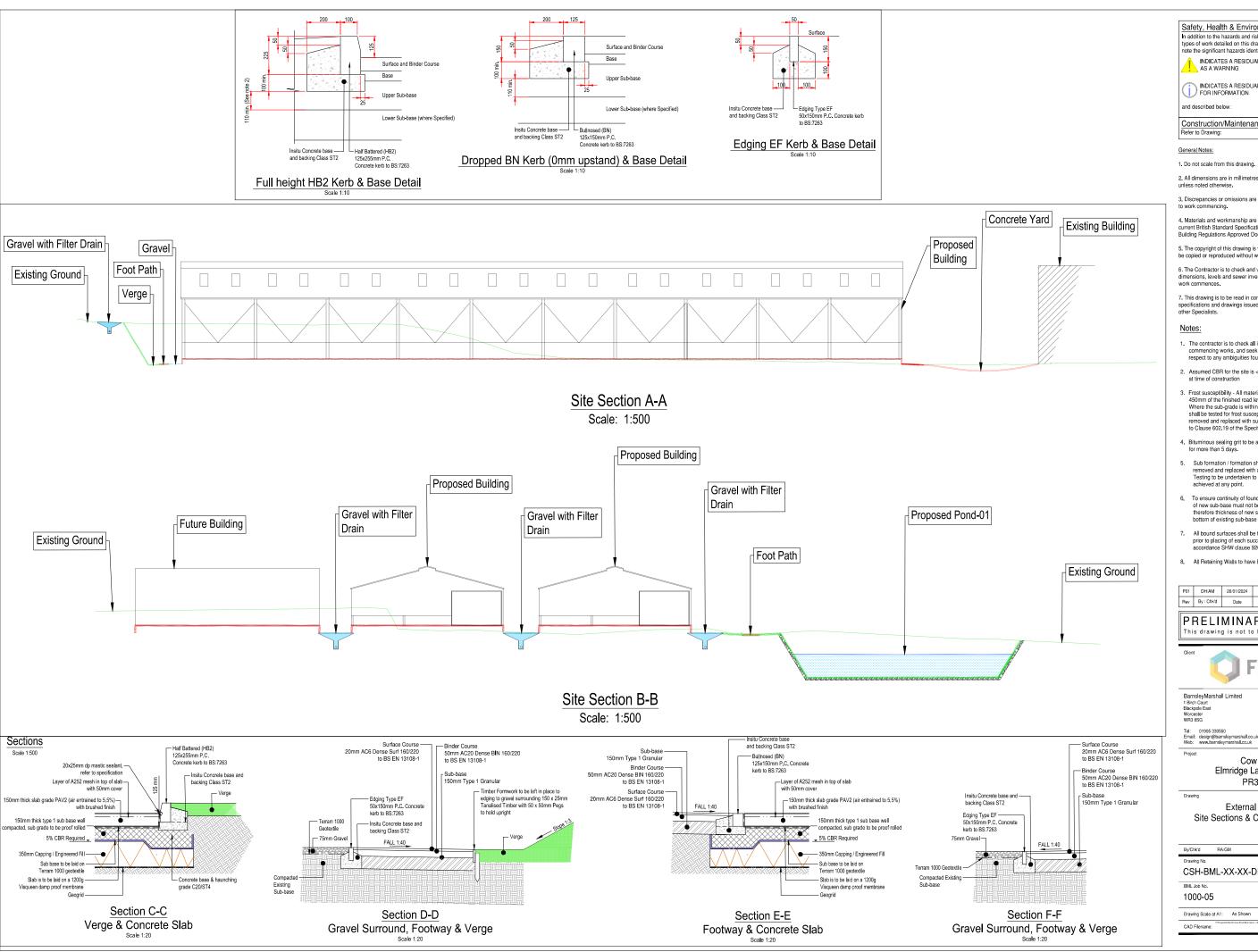
Drawing Scale at A1: As Shown

CAD Filename:



For Proposed Buildings External Works details, refer to drawing CSH-BML-XX-XX-DR-C-0700





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- 8. All Retaining Walls to have Edge protection to Architecture Details

Rev	By / Chk'd	Date	Description
Р	RELI	MINA	RY DRAWING

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Cow Shed Elmridge Lane, Preston, PR3 2NY

External Works 01 Site Sections & Consruction Details

By/Chk'd Drawing No.	RA/GM	Date 05/	04/2023 Revision
	BML-XX-XX-DR-C	-0702	P01
BML Job No.			Status
1000-0)5		-