

NOTES

Existing bound material cut back to a clean vertical edge

Cold Millir

_Wearing Course _Base Course

Existing Roa Surface

(New Paving Below

-IN Existing)

STATUS

Highway

Construction Details

Proposed Residential Development at Snow Capel Farm, Gloucester

TRANSVERSE TIE-

Road Base

Sub-base

Existing bound material cut back to a clean vertical edge

Cold Milling

New Road Surface

Road Base

Wearing Course Base Course

SCALE: NTS

DRG No. 3880-112

SIZE: A1

DRAWN BY:

CW

DESIGNED BY: TM

Rev

CHECKED BY: EP

DATE: March 2022

Sub-base

DEVELOPMENT DESIGN PARTNERSHIP
PLANNING ARCHITECTURE ENGINEERING

Capping Layer

ISSUING OFFICE:
BRIDGEND OFFICE
8 OLD FIELD ROAD
BOCAM PARK
PENCOED
BRIDGEND
CF35 5LJ

Capping Layer

Regulating / Course Mate

Existing bituminous pavement broken up and recompacted

Limit of Wearing Course

1. Paving and regulating materials shall be as spe

fled in Appe

endix 7/1 and Appendix 6/1 of the spe

4. Where new pavement is to be constructed adjacent to existing pavement and unless levels permit overlaying of the existing pavement by the proposed full depth of bound materials, the existing bituminous pavement shall be removed for 500mm width from the edge and replaced with full bound construction. The existing pavement shall be cold milled for a further width of 500mm past the interface to permit both base course and wearing course to be laid to form the longitudinal joint

(New Paving Above Existing)

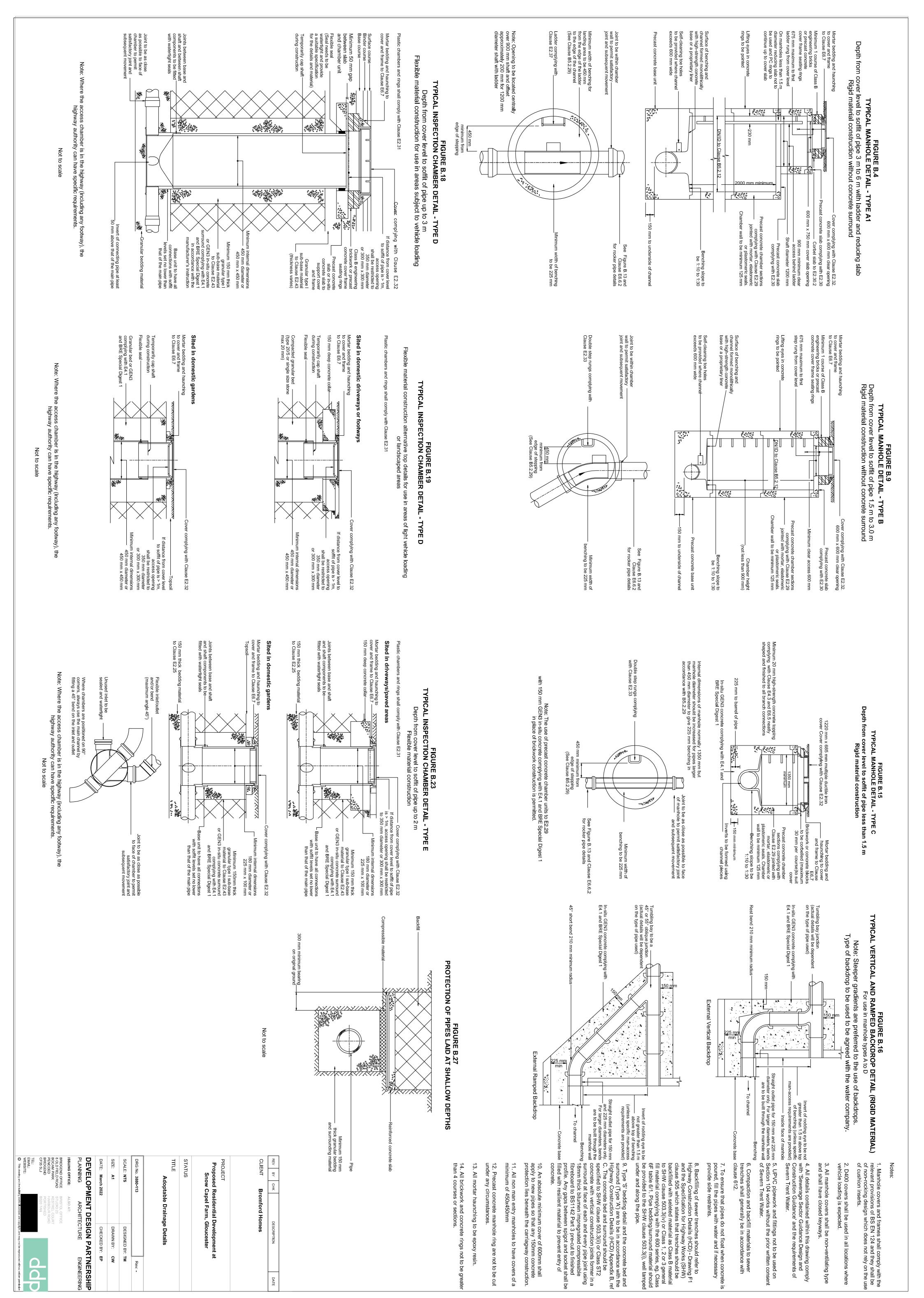
TRANSVERSE TIE-IN

The extent of cold milling shall unless directed otherwise be:
 Transverse Joints (tie-ins)
 Longitudinal Joints (new to existing)
 500mm wide

2.Refer to contract drawings for specific scheme requirements giving details of the extent and type of cold milling and pavement construction./ Refer also Appendicies 7/2 and 7/9 of the specification.

6. All dimensions in millimetres.

5.A tack coat as specified in Appendix $\frac{7}{4}$ shall be applied to existing pa



MANHOLE SCHEDULE Sheet 1 of 4

MANHOLE SCHEDULE Sheet 2 of 4

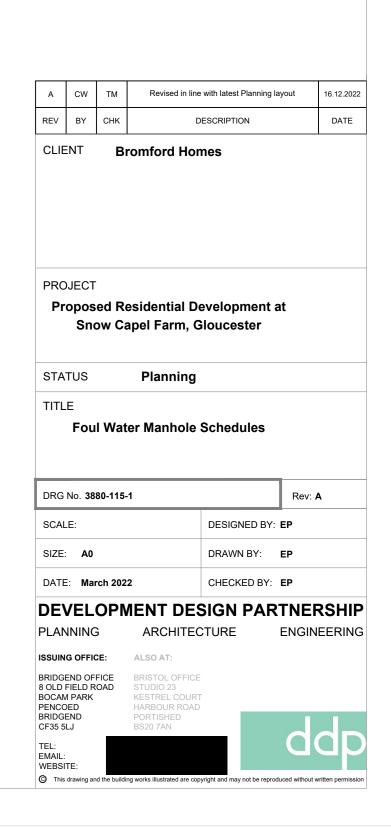
MANHOLE SCHEDULE Sheet 3 of 4

MANHOLE SCHEDULE Sheet 4 of 4

Manhole Number	Cover Level				Pipe		Manhole	Т	ypes			Manhole Number						
Coordinates	Depth To Soffit	Connections		Code	Inverts	Diams	Size	Manhole	Cover	1		Coordinates						
F1	59.098											F16						
E. 385089.929 N. 214036.091	1.568		0	1.000	57.380	150	1200	В	D400		E.	385057.93 214132.80						
F2	59.303	1	1	1.000	57.084	150						F17						
E. 385089.914 N. 214058.909	2.070		0	1.001	57.084	150	1200	В	D400		E. N.	385022.01 214141.88						
F3	59.791											F18						
E. 385107.988 N. 214068.541	1.541	0	0	2.000	58.100	150	1200	В	D400		E. N.	384995.09 214153.80						
F4	59.449	2	1 2	1.001 2.000	56.994 56.994	150 150						F19						
385091.688 N. 214070.684	2.305	0	0	1.002	56.994	150	1200	В	D400		E. N.	385007.22 214222.51						
F5	58.504	1	1	1.002	56.668	150						F20						
E. 385048.490 N. 214077.562	1.686	0	0	1.003	56.668	150	1200	В	D400		E. N.	385011.05 214265.95						
F6	58.405						4000		D. 400			F21						
E. 385038.966 N. 214049.639	1.555	0	0	3.000	56.700	150	1200	В	D400		E. N.	385013.22 214295.32						
F7	58.295	2	2	3.000 1.003	56.332 56.332	150 150	4000		D. 400			F22						
S. 385039.529 N. 214077.929	1.813	0	0	1.004	56.332	150	1200	В	D400	-	E. N.	385023.23 214319.74						
F8	56.749 1.750	1	1	1.004	54.849	150	1200	В	D400			F23						
E. 385000.244 N. 214078.239	1.730	0	0	1.005	54.850 54.734	150 150	1200	В	D400	-	E. N.	385197.57 214104.26						
F9	56.774 1.890	1						1		1.003	J4.7J4	130	1200	В	D400			F24
E. 384999.271 N. 214093.735	1.550	0	0	1.006	54.734	150	1200	В	5400		E. N.	385182.25 214122.33						
F10	56.700	1	1	1.006	54.537	150						F25						
E. 384998.923 N. 214123.239	2.013	0	0	1.007	54.537	150	1200	В	D400		E. N.	385154.79 214153.05						
F11	60.031											F26						
E. 385134.105 N. 214089.000	1.681	0	0	4.000	58.200	150	1200	В	D400		E.	385147.86 214160.27						
F12	59.777	1	1	4.000	57.980	150						F27						
E. 385126.661 N. 214113.827	1.647		0	4.001	57.980	150	1200	В	D400		E.	385234.04 214159.40						
F13	59.447	<u></u>	1	4.001	57.855	150				-		F28						
E. 385117.468 N. 214130.207	1.442		0	4.002	57.855	150	1200	В	D400		E.	385219.62 214167.71						
F14	59.261	1	1	4.002	57.772	150						F29						
E. 385105.898 N. 214125.672	1.339		0	4.003	57.772	150	1200	В	D400		E.	385186.59 214185.41						
F15	58.648											F30						
E. 385053.714 N. 214106.660	1.598		0	5.000	56.900	150	1200	В	D400		E.	385165.27 214193.70						
										·								

_											, —										
	Manhole Number Coordinates	Cover Level Depth To Soffit	Connections		Code	Pipe Inverts	Diams	Manhole Size	Manhole	ypes Cover		Manhole Number Coordinates	Cover Level Depth To Soffit	Connections		Code	Pipe Inverts	Diams	Manhole Size	Ty Manhole	ypes Cover
	F16	58.376	2	1 2	5.000 4.003	56.723 56.724	150 150					F31	61.083								
E	. 385057.931	1.503						1200	В	D400	E.	385275.567	1.783						1200	В	D400
N			1	0 1	4.004	56.723 55.873	150 150				N.	214194.402		1	0 1	8.000	59.150 58.800	150 150			
_	F17	57.108 1.085						1200	В	D400		F32	60.571						1200	В	D400
N			v o	0	4.005	55.873	150				E. N.	385256.778 214205.505		V 0	0	8.001	58.800	150			
	F18	56.000	1 2	2	1.007 4.005	54.332 54.331	150 150					F33	60.502	1		8.001	58.600	150			
E		1.519	0					1200	В	D400	E.	385243.236 214205.107	1.752						1200	В	D400
	F19		1	1	1.008	54.331 53.866	150					F34		1	1	8.002 8.002	58.600 58.552	150 150			
E	. 385007.220	55.471 1.455						1200	В	D400	E.	385239.802	60.378 1.676						1200	В	D400
N	214222.515		ŏ	0 1	1.009	53.866 53.576	150 150				N.	214211.502		Ŏ	0	8.003 8.003	58.552 58.252	150 150			
	F20	55.409							_			F35	60.112	1							
E		1.683	0	0	1.010	53.576	150	1200	В	D400	E.	385227.409 214219.058		0	0	8.004	58.252	150	1200	В	D400
	F21	55.913	1	1	1.010	53.379	150					F36	59.504	1	1	8.004	57.702	150			
E	385013.225	2.384						1200	В	D400	E.	385202.553	1.652						1200	В	D400
N			1	0 1	1.011	53.379 53.203	150 150				N.	214238.459			0 1 2	8.005 6.004 8.005	57.702 57.346 57.346	150 150 150			
	F22	55.697 2.344						1200	В	D400		F37	59.140 1.644	2		0.000	01.040	100	1200	В	D400
N			0	0	1.012	53.203	150				E.	385186.359 214244.129		0	0	6.005	57.346	150			
	F23	60.956										F38	59.097	1	1	6.005	57.291	150			
E		1.506						1200	В	D400	E.	385186.984		0					1200	В	D400
N	F24		1	1	6.000	59.300 58.850	150 150				N.	F39		1	1	6.006	57.291 56.779	150 150			
E		60.608						1200	В	D400	E.	385172.719	58.559 1.630						1200	В	D400
N			ő	0	6.001	58.850 58.220	150				N.	214277.619		0	0	6.007 6.007	56.779 56.677	150 150			
	F25	60.031	1									F40	58.257	1							
E		1.661	0	0	6.002	58.220	150	1200	В	D400	E.	385161.651 214288.054				6.008	56.677	150	1200	В	D400
	F26		_	1	6.002	58.153	150					F41		1 _/	1	6.008	56.106	150			
E	. 385147.863	59.891 1.588	1. 1					1200	В	D400	E.	385139.622	57.867 1.611						1200	В	D400
N			0	0	6.003	58.153	150				N.	214298.096		0	0 1	6.009 6.009	56.106 55.930	150 150			
	F27	61.500 1.560						1200	В	D400		F42	57.630 1.550						1200	В	D400
E N			0	0	7.000	59.790	150		J	5 100	E.	385123.608 214301.314		0	0	6.010	55.930	150			J 100
	F28	61.074	1	1	7.000	59.350	150					F43	56.814	1	1	6.010	55.030	150			
E		1.574						1200	В	D400	E.	385086.886	1.634						1200	В	D400
N			1	0 1	7.001 7.001	59.350 58.650	150 150				N.	214306.687			0	6.011	55.030	150			
	F29	60.398 1.598						1200	В	D400		F44	56.492 1.559						1200	В	D400
N			0	0	7.002 6.003	58.650 57.902	150				E. N.	385063.246 214290.585		∀ 0	0	9.000	54.783 54.690	150 150			
	F30	59.639	1	2	7.002	57.902 57.902	150 150					F45	56.365	1		9.000	54.690	150			
E		1.587	2 0					1200	В	D400	E.	385069.568 214303.076							1200	В	D400
L	. 214195./01			0	6.004	57.902	150] [N.	214303.076			0	9.001	54.690	150			

Number	Level		_		Pipe		Manhole Size	,	pes
Coordinates	Depth To Soffit	Connections		Code	Inverts	Diams		Manhole	Cover
5 40		2	1 2	9.001 6.011	54.628 54.628	150 150			
F46	56.336	\forall							
	1.558	1					1200	В	D400
E. 385073.930		0							
N. 214311.265			0	6.012	54.628	150			
F47		1	1	6.012	54.048	150			
Γ41	55.794	\wedge							
5 205044 004	1.596						1200	В	D400
E. 385041.061 N. 214329.193		↓ 0							
N. 214329.193			1	6.013 1.012	54.048 53.112	150 150			
F48		2	2	6.013	53.112	150			
	55.643	1							
E. 385026.210	2.381						1200	В	D400
N. 214333.065		0		1.013	53.112	150			
			1	1.013	52.967	150			
F49									
	55.476								
E. 385005.274	2.359	1					20	В	D400
N. 214339.196									
			1	1.011	52.285	150			
F50	54.877	1							
	2.442						1200	В	D400
E. 385029.620	2.442						1200		D400
N. 214438.053		U	0	1.012	52.285	150			
		1	1	1.012	52.099	150			
F51	54.210	<u></u>							
	1.961						1200	В	D400
E. 385039.507		0							
N. 214464.106			0	1.013	52.099	150			
F52		1	1	1.013	51.699	150			
1 32	54.071								
E. 385041.282	2.222						1200	В	D400
N. 214468.782		∀ 0							
71. 214400.702			0	1.014	51.699 51.641	150 150			
F53		1 I		1.014	51.041	100			
	53.852								
E. 385043.989	2.061	\bigvee					1200	В	D400
N. 214477.098		Ŏ	0	1.015	51.641	150			
			1	1.015	51.963	150			
F54	50.740	1							
	53.740						4000		D400
E. 385045.722	1.627	Ž					1200	В	D400
N. 214481.788		U 	0	1.016	51.963	150			
			1	1.014	51.641	150			
F55	53.328	1							
	1.537	$(\ /\)$					1200	В	D400
E. 385063.094		0							
N. 214528.783			0	1.015	51.641	150			
ree			1	1.015	51.561	150			
F56	53.195								
	1.484						EXISTING	EXISTING	EXISTIN
E. 385063.566		T 1							
N. 214539.196									



SW Network 1
MANHOLE SCHEDULE
Sheet 1 of 3

SW Network 1
MANHOLE SCHEDULE
Sheet 2 of 3

SW Network 1
MANHOLE SCHEDULE
Sheet 3 of 3

SW Network 2
MANHOLE SCHEDULE
Sheet 1 of 3

SW Network 2
MANHOLE SCHEDULE
Sheet 2 of 3

1	Manhole Cover Number Level Depth To	Connections	Pipe Code Inverts	Manho Size	ole Types e Manhole Cover	Manhole Number Coordinates	Cover Level Depth To Connections	Code	Pipe Dimensions Inverts	Size	Types	Manhole Number Coordinates	Cover Level Depth To Connections	Code	Pipe Dimensions Inverts	Size	Types	Number	Cover Level Depth To Connections	Code	Pipe Inverts Dimensions	Manhole Types Size Manhole Cover	Manhole Number Coordinates	Cover Level Depth To Connections	Code	Pipe Inverts Dimensions	Manhole T Size Manhole	Types
	Soffit Soffit Soffit			(mm)		Double Pipe - Weholite	Soffit 1 56.610	1 1.008	54.343 (mm) 54.343 (mm)	0		S31	Soffit Connections	1 1.014	(mm) 4 53.920 60	00		S37	Soffit Connections		(mm)		S52	Soffit Connections	1 3.001	59.033 (mm)		
E.	1.200 385091.023 214034.259		1.000 57.68		350 4 D400	E. 385012.841 N. 214219.657	1.817	0 1.009	54.343 45	1800 B	D400	E. 385025.339 N. 214320.704		0 1.015	5 53.920 60	1500 4	D400	E. 385181.111 N. 214082.339	1.200	0 1.000	59.356 2	1350 4 D400 25	E. 385190.556 N. 214185.369		0 3.002	58.958 300	1350 C	D400
	S2 59.278	1	1.000 57.54	13 225		S17 Double Pipe - Weholite	56.550	1 1.009	54.315 45	0		S32	56.508					S38	60.591	1 1.000	59.166 2.	25	S53	59.680	1 3.002	58.180 300		
E.	1.510 385091.177 214057.318	0 0	1.001 57.54		200 4 D400	E. 385013.862 N. 214230.750	1.785	0 1.010	54.315 2x120		D400	E. 385065.33 ⁻¹ N. 214291.231	1.200	0 7.000		1350 4	D400	E. 385161.113 N. 214071.056	1.200	0 1.001	59.166 2	1350 4 D400 25	E. 385168.667 N. 214194.294		0 3.003	58.180 300	1350 C	D400
	S3 59.825					Double Pipe - Weholite	56.000	1 1.010	54.260 2x120			S33	56.392	- 1 7.000	54.967 22	25		S39	60.437	1 1.001	59.012 2	25	S54	59.113	1 1.008 2 3.003	56.900 2x1200 57.800 300		
E. N.	1.200 385110.305 214066.828	0 0	2.000 58.40	00 225	350 4 D400	E. 385016.440 N. 214258.340	V O	0 1.011	54.260 60	1800 C	D400	E. 385076.41 ⁻¹ N. 214311.921	1.200	0 7.001		1350 4	D400	E. 385144.509 N. 214066.142	1.200	0 1.002	59.012 2	1350 4 D400	E. 385153.076 N. 214202.793		0 1.009	56.900 2x1200	1800 C	D400
	S4 59.445	2 1 2	1.001 57.47 2.000 57.47	72 225	1200 4 D400	S19	58.506			1350 C	D400	S34	55.791	1 7.001	1 54.366 22	1500 4	D400	S40	60.263	1 1.002	58.838 2	1350 4 D400	S56 Headwall - Swale	59.153			Headwall	ı
E. N.	385092.815 214069.158	0 0	1.002 57.47 1.002 57.12	72 225	200 4 5400	E. 385173.067 N. 214279.467	0	0 5.000	57.081 22 56.794 22	5	D400	E. 385042.985 N. 214329.822		0 7.002	 	25	D+00	E. 385132.106 N. 214065.788	0	0 1.003	58.763 3 58.517 3	00	E. 385172.847 N. 214226.624		0 4.001	58.553 600		
	S5 58.549 1.200				350 4 D400	S20	58.219			1350 C	D400	S35	55.676	1 2 7.002		3000 4	D400	S41	60.017			1350 4 D400	S57	60.956			1350 C	D400
E. N.	385050.205 214075.850	0	1.003 57.12	24 225		E. 385161.350 N. 214290.053	, v	0 5.001 1 5.001	56.794 22 56.408 22	5		E. 385028.569 N. 214334.549		0 1.016		00		E. 385132.474 N. 214089.943	0	0 1.004	58.517 3 58.284 3	00 00	E. 385286.017 N. 214195.949		0 5.000	59.531 225 59.472 225		
	\$6 58.436 1.200			1:	350 4 D400	S21	57.833			1350 C	D400	S36 Hydrobrake - 9.6l/s E. 385022.71	54.546			1500 4	D400	S42 E. 385125.911	59.784			1350 4 D400	S58 E. 385277.324	61.155			1350	D400
N.	214045.507	0 0	3.000 57.0° 3.000 56.81	+ + + + + + + + + + + + + + + + + + + +		E. 385138.188 N. 214299.924	Ů	0 5.002 1 5.002	56.408 22 56.235 22	5		N. 214342.842	0	0 1.017		00		N. 214111.577	0	0 1.005 1 1.005	58.284 3 57.992 3	00 00	N. 214191.294		0 5.001	59.472 225 59.117 225		
F	\$7 58.235 1.200		1.003 56.81	1:	350 4 D400	S22 E. 385125.663	57.660	1		1350 C	D400	S37 Headwall - Outfall E. 385018.200	54.700			Headwall	all	S43 E. 385114.565	59.342 1.050			1350 4 D400	S59 E. 385254.650	60.542			1350 C	D400
N.	214076.270	0 0	1.004 56.81 1.004 55.22	+ + + + + + + + + + + + + + + + + + + +		N. 214302.482	, v	0 5.003 1 5.003	56.235 22 56.006 22	5		N. 214344.950	1	1 5.005	5 54.805 120	00		N. 214132.705	, v	0 1.006	57.842 4	50	N. 214204.178		0 5.002	59.117 225		
E.	\$8 56.649 1.200	1		1:	350 4 D400	S23 E. 385119.328	57.970			1200 B	D400	S24A E. 385031.652	56.400			1800 2	D400	S44 E. 385232.650	61.733			1350 4 D400	S60 E. 385241.866	60.668			1350 C	D400
N.	214076.259	0 0	1.005 55.14 1.005 54.68	300 33 300		N. 214264.789	Ů	0 5.004 1 5.004	55.931 30 55.872 30	0		N. 214263.427	0	0 5.006	5 54.805 60	00		N. 214123.529	0	0 2.000 1 2.000	60.308 2 59.637 2	25 25	N. 214196.207		0 6.000 1 6.000 2 5.002	59.243 225 59.004 225 59.004 225		
E.	\$9 56.183 1.200			1:	2 D400	S24 E. 385107.895	57.891			1800 B	D400							S45 E. 385201.001	1.200			1350 4 D400	S61 E. 385244.824	60.429	1	35.004	1350 C	D400
N.	214122.234	0 0	1.006 54.68 1.006 54.59	 		N. 214256.448	0	0 5.005	54.972 120	0								N. 214097.528	1	0 2.001	59.637 2 59.187 2	25 25	N. 214206.970)	0 5.003	58.929 300 58.566 300		
E.	\$10 55.832 0.933			1:	350 4 D400	S25 Cellular Storage E. 385020.976	0.999			1350 C	D400			SW Net				S46 E. 385180.180	1.200			1350 4 D400	S62 E. 385225.033	60.066			1350 C	D400
N.	214142.589 S11	0 0	1.007 54.59	300		N. 214230.420	1	0 6.000					IVIA	Sheet	SCHEDULE 3 of 3			N. 214122.689	0	0 2.002	59.112 3 58.524 3	00 00	N. 214218.749	1	0 5.004	58.566 300 58.031 300		
E.	58.628 1.200 385055.342			1:	350 4 D400	S26 Weir & Valve E. 385024.373	56.500			1350 B	D400	Manhole Number	Cover Level		Pipe	Manhole Size	Types	S47 E. 385152.914	1.200			1350 4 D400	S63 E. 385202.944	59.531			1350 C	D400
N.	214107.875	0 0	4.000 57.20 4.000 56.94	+ + + + + + + + + + + + + + + + + + + +		N. 214259.072	2	0 6.001 1 6.001 2 5.006	54.442 60 54.412 60 54.412 60	0 0 0		Coordinates	Depth To Soffit Connection	s Code	Inverts Dimensions (mm)	s Manhole	e Cover	N. 214153.064	0	0 2.003 1 1.006 2 2.003	58.524 3 57.757 4 57.907 3	00 50 00 00 00 00 00 00 00 00 00 00 00 0	N. 214236.450	0	0 5.005	58.031 300 57.746 300		
E.	\$12 58.367 1.200			1:	1350 4 D400	S27 E. 385024.829	0.988	1		1500 C	D400	S67 Cellular Storage E. 385161.65	59.098			1800 C	D400	S48 E. 385131.893	59.308			1500 2 D400	S64 E. 385191.784	59.246	1		1350 C	D400
	214133.862	0 0	4.001 56.94 4.001 56.85			N. 214264.051	0	0 5.007 1 1.011 2 5.007	54.247 60	0		N. 214226.34	1	0 7.00 1 7.00		001		N. 214154.333	1	0 1.007 1 1.007	57.607 6 57.585 6	00 00	N. 214246.171	2	0 5.006 1 1.009 2 4.001	57.746 300 56.649 2x1200 57.249 600		
Head	S13 dwall - Swale 57.929				Headwall	S28 Hydrobrake - 8.71/s E. 385017.018	56.550			3000 B	D400	S68 Weir & Valve	58.000			3000 C	D400	S49 E. 385133.432	59.590			1800 4 D400	S65 E. 385167.786	59.201 3	1 5.006	57.549 300	3000 B	D400
	214145.429 S14					N. 214264.831	1	0 1.012 1 1.012	54.247 60 54.200 60	-		N. 214249.42 S69	2	0 7.00 1 7.00 2 1.01 2 Penstool		500 500 500 25		N. 214165.007	Ó	0 1.008	56.985 2x12	00	N. 214231.052	0	0 1.010	56.649 2x1200 56.554 2x1200		
Head	56.733 dwall - Swale 385015.092				Headwall	E. 385013.489	1.200			1500 C	D400	Hydrobrake & Penstock E. 385111.23	0.851 PS	1 2 Penstool	ск 56.541 22	1500 C	D400	S50 E. 385234.146	1.200			1350 4 D400	E. 385117.508	58.300			1800 C	D400
N.	214154.519 S15	0 0	4.003 56.13 1.007 54.45 4.003 54.75			N. 214273.228	1	0 1.013 1 1.013		+ + + + + + + + + + + + + + + + + + + +		N. 214251.66	1	0 1.01		500		N. 214157.111	1	0 3.000	60.094 2 59.654 2	25 25	N. 214256.278	0	0 1.011	56.554 600		CW TM Revised in line wit

E. 385219.036

B CW TM Revised in line with latest planning application layout 16.12.2022

A EP EP S12 and S13 relocated 12.05.22

REV BY CHK DESCRIPTION DATE

CLIENT Bromford Homes

PROJECT

Proposed Residential Development at

Snow Capel Farm, Gloucester

STATUS Planning

TITLE

Surface Water Manhole Schedules

DRG No. 3880-115-2

SCALE:

DESIGNED BY: EP

SIZE: A0

DRAWN BY: EP

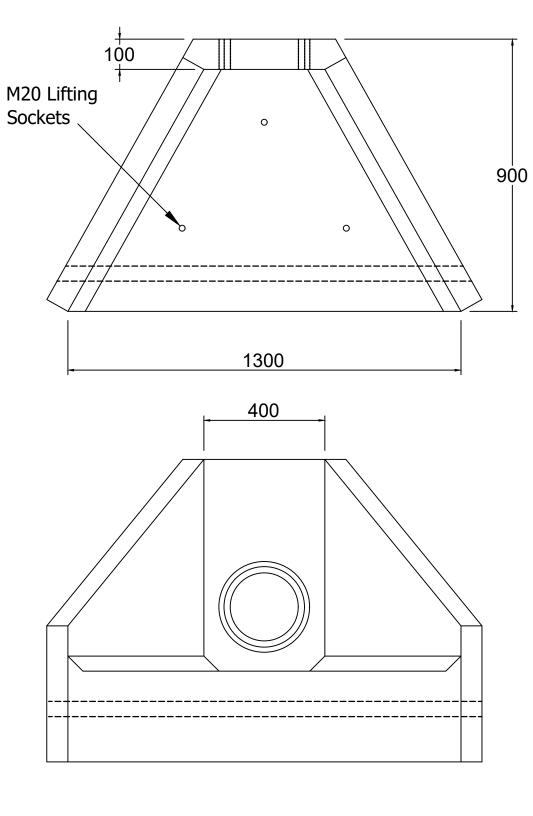
DATE: March 2022

CHECKED BY: EP

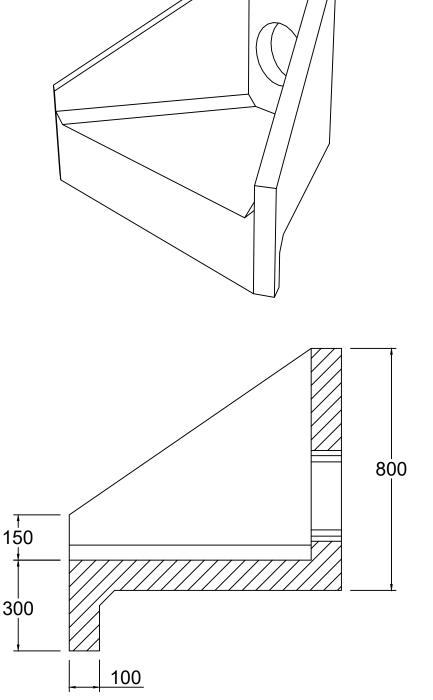
DEVELOPMENT DESIGN PARTNERSHIP

PLANNING ARCHITECTURE ENGINEERING

ISSUING OFFICE: ALSO AT:



Note: Isometric drawing is for reference only, details may not accurately represent actual design please see detailed views for technical information



NOTES:

All dimensions in mm
 All measurements ± 1mm

Specification Information
 Opening in back wall cast to suit outside diameter of the pipework
 Invert level of pipe can be set to your specification

Headwall Installation
Units should be bedded on minimum 150mm of semi-dry concrete.
Sit the headwall level or with a slight fall 1:50 from pipe to spill mouth.

Handling

A. Weight of concrete is based on 2.4 tonne/m³+5% is recommended for sizing lifting

equipment.
All lifting points shall be used as specified below - Anchor points & loops - Total Qty: 3
Unit to be lifted as per lifting diagram

Concrete

A. Mix ref: Self-compacting DC4/DS4 Mix

A. Self-compacting DC4/DS4 Mix

A. Self-compacting DC4/DS4 Mix

B. Lifting strength based on 2 cubes = 20N/mm²
C. Characteristic 28 day cube strength = 50N/mm²
D. Concrete provides Design Chemical Class 4 (DC4) to special Digest 1, Table F2.

Reinforcement
A. Reinforcement to BS EN 13369
B. Scheduling, dimensioning, bending & cutting to BS8666
C. Cage to be machine tied with steel wire

Manufacture
A. Manufacture to BS EN 15258:2008 precast concrete products - Retaining wall elements, Factory Production Control certificate number: 0086-CPR-650448 & BS EN 13369
B. Tolerances to BS EN 13369 clause 4.3.1.1
C. Finishing:
D. Marking: Units shall be indelibly marked to show:

Maulid reference code

Mould reference code

De-mould date

Job reference number & unique product number

Unit weight (kg)

Design
A. Concrete design to EC2
B. Althon have designed the concrete units only, the site conditions should be assessed for suitability by the scheme designer
C. Units are designed to withstand a vertical live load surcharge of 10kN/M²
D. Weight of soil = 18kN/M²
Anale of internal friction = 30 Deg.

Fabrication Specification

A. Manufacture IAW EN 1090-2 EXC CLASS 1

B. Material grade is to be: BS EN 10025 S275

C. Welding carried out IAW EN 1090-2 PARA 7.5.4 - 7.5.18

D. All fillet and butt welds to have a minimum throat thickness of 6mm & joints to be fully

Rin intel and but welds to have a minimum under unkniess of or welded where possible. Ensure vertical flats are fully welded both sides where possible. All sharp edges and burrs are to be removed. Remove all weld splatter.

Holes by punching are permitted with reaming.

Galvanising is carried out after fabrication to BS EN:ISO 1461

Handrail Specification

A. Kee Klamp® Galvanised Size 8 Fittings

B. Size 8 48.3mm OD 3.2mm Wall Thickness Galvanised Medium Duty Tube to BS EN 10255

C. 360N/m Design Load at stated in BS 8118, BS 6180, BS 6399 & BS 7818, Civil Engineering Specification for thw Water Industry (CESWI) 7th Edition Clause 2.60 Handrails & Balusters & The Engineering Equipment and Materials Users' Association (EEMUA) Publication 105

7th Edition Factory Stairways, Ladders and Handrails

Other design loads available on request

REV	BY	СНК	DESCRIPTION	DAT
CLIEN				
			rd Homes	
PRO IF	-CT			
PROJE		Basidan	tial Davidonment at	
			itial Development at	
			itial Development at apel Farm	
	osed	Snow Ca	-	

I	DRG No. 3880-116	Rev:
1	SCALE: NTS	DESIGNED BY: CW
	SIZE: A3	DRAWN BY: CW
	DATE: December 2022	CHECKED BY: TM

Headwall Details

DEVELOPMENT DESIGN PARTNERSHIP ARCHITECTURE

ISSUING OFFICE: ALSO AT: BRIDGEND OFFICE 8 OLD FIELD ROAD BOCAM PARK PENCOED BRIDGEND CF35 5LJ

PLANNING



ENGINEERING

