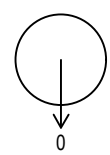
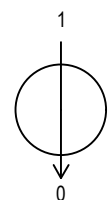
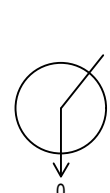
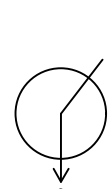
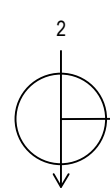
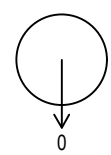
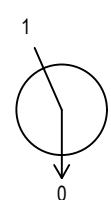
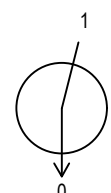
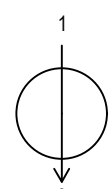


SUBJECT TO
S104 APPROVAL

PHASE 2B FW MANHOLES

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams Inv-soff		Manhole	Cover
F661	27.849							
E. 450425.254 N. 114784.416	1.732		0	15.000	26.017	100	1200	Type B D400
F662	27.260		1	15.000	25.627	100		
E. 450408.875 N. 114810.971	1.533		0	15.001	25.627	100	1200	Type B D400
F663	26.628		1	15.001	25.042	100		
E. 450391.856 N. 114838.562	1.486		0	15.002	25.042	100	1200	Type E D400
F665	26.435		1	15.002	24.805	100		
E. 450383.494 N. 114841.589	1.530		0	15.003	24.805	100	1200	Type B D400
F666	25.803		1 2	16.003 15.003	24.380 24.430	150 100		
E. 450354.416 N. 114832.351	1.273		0	15.004	24.380	150	1200	Type E D400

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams Inv-soff		Manhole	Cover
F681	27.210							
E. 450373.429 N. 114765.473	1.300		0	16.000	25.760	150	1200	Type E D400
F683	26.834		1	16.000	25.425	150		
E. 450365.236 N. 114781.434	1.259		0	16.001	25.425	150	1200	Type E D400
F684	26.412		1	16.001	25.010	150		
E. 450363.890 N. 114802.813	1.252		0	16.002	25.010	150	1200	Type E D400
F685	25.820		1	16.002	24.510	150		
E. 450355.845 N. 114827.895	1.160		0	16.003	24.510	150	1200	Type E D400

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH
THE S104, PLOT DRAINAGE AND ROAD/GULLY
DRAWINGS - LATERAL CONNECTIONS, GULLY
CONNECTIONS AND OTHER CONNECTIONS ARE NOT
SHOWN ON THIS SCHEDULE.

MANHOLE COVERS

ALL MANHOLE COVERS SHOULD BE BUILT IN ACCORDANCE WITH THE RELEVANT PROVISIONS OF BS EN124 (KITEMARKED) AND BE BEDDED AND HAUNCHED IN MORTAR. ALL COVERS TO ADOPTABLE MANHOLES SHALL BE MARKED FW OR SW IF ON A FOUL OR SURFACE WATER SEWER RESPECTIVELY. THEY SHALL BE COATED WITH BLACK BITUMINOUS COMPOSITION IN ACCORDANCE WITH BS EN124.

GROUP	COVER CLASS	USAGE (FIGURE 9a)	MIN. THICKNESS OF STEEL PROTECTION* mm (TABLE 3)
1	A15	PEDESTRIANS AND CYCLISTS ZONES	2
2	B125	PEDESTRIANS AND CAR PARKING ZONES	3
3	C250	FOR GULLY TOPS INSTALLED IN THE KERBSIDE CHANNELS	5
4	D400	AREAS FOR ALL TYPES OF ROAD VEHICLES	6
5	E600	AREAS IMPOSING HIGH WHEEL LOADS (e.g. DOCKS, AIRCRAFT PAVEMENTS.)	} TO BE DETERMINED ACCORDING TO EACH DESIGN
6	F900	AREAS IMPOSING PARTICULARLY HIGH WHEEL LOADS, e.g. AIRCRAFT PAVEMENTS	

* WITHOUT THE THICKNESS OF THE ADDITIONAL CORROSION PROTECTION.

TABLE AND FIGURE REFERENCE ARE TO BS EN124.

WHERE THERE IS DOUBT AS TO WHICH COVER SHOULD BE USED, A STRONGER CLASS SHOULD BE SELECTED.

INFILL COVERS SHALL NOT BE USED. WHERE A COVER IS LOCATED IN BLOCK PAVING, THE FRAME SHALL BE 150 DEEP.

FRAMES FOR MANHOLES SHALL BE BEDDED IN POLYESTER RESIN BEDDING MORTAR IN NRSWA CATEGORIES I, II OR III.

JOINTS TO MANHOLE RINGS AND SLABS.

ALL MANHOLE RINGS AND SLABS SHALL BE JOINTED WITH MORTAR, PROPRIETARY BITUMEN OR RESIN MASTIC SEALANT.

ALL MANHOLE FRAMES TO BE SET PARALLEL TO ADJACENT KERBS OR NEAREST BUILDINGS. MANHOLE COVERS AND FRAMES TO BE FLUSH WITH SURFACE ±5mm MAX.

CONCRETE PROTECTION TO PIPES

TO BE IN ACCORDANCE WITH CLAUSE 5.3 OF CESWI. AT THE DISCRETION OF THE ENGINEER, AWAY FROM CHAMBERS AND WHERE GROUND CONDITIONS PERMIT THE LENGTH OF UNINTERRUPTED CONCRETE PROTECTION MAY BE INCREASED TO 8m.

COMPRESSIBLE FILLER FOR PIPELINES.

TO BE USED TO INTERRUPT CONCRETE PROTECTION TO PIPELINES AND SHALL COMPLY WITH CLAUSE 2.19 OF CESWI.

TRENCH WIDTH

NOTE THE MAXIMUM TRENCH WIDTH MUST NOT BE EXCEEDED. IF THE WIDTH IS EXCEEDED THE CONTRACTOR MUST SUBMIT REVISED BEDDING PROPOSALS TO THE ENGINEER.

SOFT SPOTS AND OVERDIG

SOFT SPOTS SHALL BE REMOVED FROM THE BOTTOM OF THE TRENCH AND OTHER EXCAVATIONS AND THEN BE REFILLED TO FORMATION LEVEL WITH THE SAME MATERIAL AS THE PERMANENT WORK WHICH IS TO REST ON THAT FORMATION. OVERDIG SHALL BE TREATED IN THE SAME MANNER AT CONTRACTORS EXPENSE.

CONNECTIONS

CONNECTIONS ON SCHEDULE DO NOT INCLUDE LATERAL CONNECTIONS OR GULLIES ETC.CONTRACTOR TO REFER TO ADOPTABLE AND PRIVATE DRAINAGE LAYOUTS TO SEE COMPLETE CONNECTIONS TO MANHOLE WHEN FORMING BASES.

C	UPDATED TO SUIT REVISED DRAINAGE.	21.06.22	IC	MC
B	UPDATED TO SUIT CLIENT COMMENTS.	30.05.22	JT	IC
A	UPDATED TO SUIT REVISED DRAINAGE.	05.05.22	IC	MJS
Rev:	Description:	Date:	By:	Chkd:

FOR CONSTRUCTION

BELLWAY WESSEX

BOORLEY GREEN

MANHOLE SCHEDULES
SHEET 2 OF 2

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Scale: AS SHOWN	Size: A1	First Issue: 04.02.22	Drawn: IC	Checked: IC	Rev: C
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