

Ref.	Cover Level (mAOD)	Invert Level (mAOD)	Depth to Sofit (m)	Manhole Type	Clear Opening	Cover and Frame	Coordinates (Centre of MH)		Comments
							Easting	Northing	
SURFACE WATER DRAINAGE									
SW-01	22.940	22.180	0.760	IC-450	450mm dia	B125	529061.398	184142.502	
SW-02	22.940	22.050	0.890	IC-450	450mm dia	B125	529065.588	184146.040	RECESSED COVER TO ARCHITECTS SPECIFICATION
SW-03	22.940	21.925	1.015	IC-450	RA-350mm	B125	529075.798	184139.054	RECESSED COVER TO ARCHITECTS SPECIFICATION
SW-04	22.940	21.900	1.040	IC-450	RA-350mm	B125	529078.124	184138.967	RECESSED COVER TO ARCHITECTS SPECIFICATION
SW-05	22.940	20.925	2.015	IC-450	RA-350mm	B125	529090.502	184127.621	RECESSED COVER TO ARCHITECTS SPECIFICATION
SW-06	22.940	20.765	2.175	IC-450	RA-350mm	B125	529083.525	184141.745	RECESSED COVER TO ARCHITECTS SPECIFICATION
SW-07	22.940	20.615	2.325	IC-450	RA-350mm	B125	529080.975	184148.651	
SW-08	22.940	22.180	0.760	IC-450	450mm dia	B125	529068.667	184119.126	
SW-09	22.630	21.840	0.790	IC-450	450mm dia	B125	529065.888	184117.629	

Ref.	Cover Level (mAOD)	Invert Level (mAOD)	Depth to Invert (m)	Manhole Type	Clear Opening	Cover and Frame	Coordinates (Centre of MH)		Comments
							Easting	Northing	
FW-01	22.940	22.000	0.940	IC-450	450mm dia	B125	529071.991	184147.067	RECESSED COVER TO ARCHITECTS SPECIFICATION
FW-02	22.940	21.700	1.240	IC-450	RA-350mm	B125	529076.133	184148.214	
FW-03	22.940	21.700	1.240	IC-450	RA-350mm	B125	529081.183	184150.560	
FW-04	23.615	22.155	1.460	IC-450	450mm dia	B125	529073.742	184114.735	
FW-05	23.615	22.155	1.460	IC-450	450mm dia	B125	529068.932	184112.453	

Ref.	Cover Level (mAOD)	Invert Level (mAOD)	Depth to Invert (m)	Manhole Type	Clear Opening	Cover and Frame	Coordinates (Centre of MH)		Comments
							Easting	Northing	
COMB-01	23.630	21.525	2.105	1200 PCC	600 x 600	B125	529064.241	184116.734	PRESSURE TYPE SEALED CLASS COVER
COMB-02	22.940	21.325	1.615	IC-450	RA-350mm	B125	529060.991	184123.336	PRESSURE TYPE SEALED CLASS COVER
COMB-03	22.940	21.260	1.680	1200 PCC	600 x 600	B125	529062.962	184126.222	PRESSURE TYPE SEALED CLASS COVER, FORGE VALVE CHAMBER
COMB-04	22.940	20.660	2.280	1200 PCC	600 x 600	B125	529080.004	184147.120	PRESSURE TYPE SEALED CLASS COVER
COMB-05	22.940	20.540	2.400	1200 PCC	600 x 600	B125	529079.235	184145.264	PRESSURE TYPE SEALED CLASS COVER, FORGE VALVE CHAMBER

GENERAL NOTES

1.1. THIS DRAWING IS COPYRIGHT AND SHOULD NOT BE REPRODUCED IN WHOLE OR PART WITHOUT THE WRITTEN CONSENT OF PATRICK PARSONS LTD.

1.2. DO NOT SCALE FROM THIS DRAWING.

1.3. ALL DIMENSIONS TO BE CHECKED ON SITE AND CO-ORDINATE WITH RELEVANT ARCHITECT'S DRAWINGS. ANY DISCREPANCIES TO BE REPORTED TO ENGINEER PRIOR TO CONSTRUCTION.

1.4. ALL DIMENSIONS IN mm UNLESS NOTED OTHERWISE.

1.5. ALL LEVELS IN METERS.

1.6. STRUCTURAL SIZES HEREON SHALL NOT BE MODIFIED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.

1.7. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS DRAWINGS & SPECIFICATIONS.

NOTES

1) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS.

2) THE COVERS SHALL BE SET TO SAME LEVEL AND FALL AS ADJACENT GROUND.

3) ALL CONSTRUCTION SHALL BE TO CURRENT RELEVANT CODES OF PRACTICE INCLUDING BS EN 752, BS EN 12056, BUILDING REGULATIONS AND MANUFACTURERS RECOMMENDATIONS.

4) ALL BELOW GROUND BRANCH PIPES TO MAIN RUNS SHALL BE 100mm DIAMETER UNLESS STATED OTHERWISE. INITIAL BELOW GROUND 100mm DIAMETER FOUL AND SURFACE WATER LATERAL PIPES SHALL HAVE A MINIMUM FALL OF 1:80 AND 1:100 RESPECTIVELY (UNLESS STATED OTHERWISE), WHERE NECESSARY, AND TO MINIMISE EXCAVATION, LATERAL CONNECTIONS MAY BE LAID TO NOMINAL FALLS INDICATED AND RAMP AT 45 DEGREES TO MANHOLE INVERT OR PIPE JUNCTION.

5) DOWNPIPES- BENDS AND LATERALS SHALL BE CAST WITHIN PILECAPS OR SLABS WHERE INDICATED. ALL PIPEWORK CAST WITHIN CONCRETE AND WHERE COVER IS LESS THAN 600mm BELOW A SLAB, SHALL BE CAST IRON AND SHALL BE INSTALLED AVOIDING REINFORCEMENT .

6) ALL PIPEWORK NOT CAST WITHIN CONCRETE AND GREATER THAN 600mm BELOW SLABS SHALL BE UPVC IN ACCORDANCE WITH ALL RELEVANT MANUFACTURING STANDARDS, WITH A 150mm SHINGLE SURROUND, EXCEPT SEWER CONNECTIONS THAT SHALL BE VITRIFIED CLAY PIPES IN ACCORDANCE WITH BS EN 295.

7) ALL CAST IRON DRAINAGE WITHIN CONCRETE SHALL BE AIR TESTED BEFORE CONCRETE IS POURED TO ENSURE THAT THE SYSTEM IS AIR TIGHT AND ADEQUATELY SEALED.

8) MANHOLE COVERS AND FRAMES SHALL BE IN ACCORDANCE WITH BS EN 124. ALL COVERS WITHIN CAR PARK SHALL BE GRADE C250. ALL ADAPTABLE DRAINAGE COVERS SHALL BE GRADE D400. FOUL WATER MANHOLE COVERS SHALL HAVE A DOUBLE SEAL OR PUSH FIT SEAL PLATE TO PREVENT EGROSS OF ODORR. REFER TO MANHOLE SCHEDULE FOR STRENGTH CLASS, CLEAR OPENING SIZE AND SPECIFICATIONS. MANHOLE COVERS IN PAVED LANDSCAPED AREAS SHALL HAVE RECESSED COVERS.

9) ALL GULLIES SHALL BE TRAPPED AND RODDABLE (REFER TO DETAILS).

10) THE CONTRACTOR SHALL CHECK AND CONFIRM TO THE ENGINEER ASSUMED SIZES, DEPTHS, LEVELS AND LOCATIONS OF EXISTING SEWERS AND MANHOLES PRIOR TO CONSTRUCTION COMMENCING.

P01

PRELIMINARY ISSUE TO JMS.

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REV.

REVISION NOTE/COMMENT

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DATE

CCK BY

DATE

APP BY

DATE

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MURPHY

WORLD-CLASS INFRASTRUCTURE

Project

140 - 146 CAMDEN STREET

Drawing

BELOW GROUND DRAINAGE
MANHOLE SCHEDULE

Drawn

JA

Patrick Parsons Project No.
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Date

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Scale @ A1
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REVIEW & COMMENT

Drawing No. (project-ordinator-volume-level-type-role-number)
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