GENERAL ARRANGEMENT OF FOUL WATER DRAINAGE LAYOUT
1:300 @ A1
1:600 @ A3

ALL PPIC MANHOLES GREATER THAN 1.2M DEEP ARE TO BE FITTED WITH ACCESS RESTRICTION CAPS.

- DENOTES FOUL WATER DRAIN 100Ø U.N.O.
- DENOTES 450Ø PPIC
- DENOTES 450Ø PPIC WITH 150Ø CONCRETE SURROUND

ALL PIPE GRADIENTS TO BE 1:80 U.N.O

EXISTING FOUL WATER MANHOLE INVERT AND COVER LEVEL TO BE CHECKED BY CONTRACTOR PRIOR TO WORKS COMMENCING. EXISTING FOUL WATER COVER LEVEL OBTAINED FROM ARCHITECTS DRAWING NO 500 REV B. INVERT LEVEL OBTAINED FROM NWES REPORT REF. PU5776 WOODSIDE ROTHERHAM. ALL EXISTING DRAINAGE IS TO BE CONFIRMED BY CONTRACTOR.

Ref. (m)	Cover Level (m)	Invert Level (m)	Depth (m)	Type	Dia MH (mm)	Concrete Surround
FW01	100.094	99.520	0.574	PPIC	450Ø	NO
FW02	100.094	99.456	0.638	PPIC	450Ø	NO
FW03	100.116	99.346	0.770	PPIC	450Ø	NO
FW04	100.241	99.221	1.020	PPIC	450Ø	YES
FW05	100.221	99.102	1.119	PPIC	450Ø	NO
FW06	100.035	98.959	1.076	PPIC	450Ø	NO
FW07	100.041	98.890	1.151	PPIC	450Ø	NO
FW08	100.041	98.855	1.186	PPIC	450Ø	NO
FW09	100.041	98.789	1.252	PPIC	450Ø	NO
FW10	99.897	98.681	1.216	PPIC	450Ø	NO
FW11	99.765	98.589	1.176	PPIC	450Ø	NO
FW12	99.765	98.331	1.434	PPIC	450Ø	NO
FW13	99.765	98.231	1.534	PPIC	450Ø	YES
FW14	99.771	98.150	1.621	PPIC	450Ø	YES
FW15	99.747	98.033	1.714	PPIC	450Ø	YES
FW16	99.486	97.923	1.563	PPIC	450Ø	YES
FW17	99.992	97.818	2.174	PPIC	450Ø	YES
FW18	98.973	97.599	1.374	PPIC	450Ø	YES
FW19	98.650	97.482	1.168	PPIC	450Ø	YES
FW20	98.154	97.368	0.786	PPIC	450Ø	YES
FW21	99.273	97.278	1.995	PPIC	450Ø	NO
FW22	99.273	97.208	2.065	PPIC	450Ø	NO
FW23	98.159	97.112	1.047	PPIC	450Ø	NO
FW24	99.491	97.015	2.476	PPIC	450Ø	NO
FW01(A)	100.094	99.494	0.600	PPIC	450Ø	YES
FW01(B)	100.241	99.641	0.600	PPIC	450Ø	NO
FW02(B)	100.241	99.570	0.671	PPIC	450Ø	NO
FW01(C)	100.182	99.582	0.600	PPIC	450Ø	YES
FW02(C)	99.899	99.299	0.600	PPIC	450Ø	YES
FW03(C)	99.981	99.161	0.820	PPIC	450Ø	NO
FW01(D)	99.688	99.088	0.600	PPIC	450Ø	NO
FW02(D)	99.901	99.027	0.874	PPIC	450Ø	NO
FW03(D)	99.897	98.958	0.939	PPIC	450Ø	NO
FW04(D)	99.897	98.916	0.981	PPIC	450Ø	NO
FW01(E)	99.768	99.168	0.600	PPIC	450Ø	NO
FW02(E)	99.768	99.118	0.650	PPIC	450Ø	NO
FW03(E)	99.743	99.046	0.697	PPIC	450Ø	NO
FW04(E)	99.748	99.001	0.747	PPIC	450Ø	NO
FW05(E)	99.750	98.917	0.833	PPIC	450Ø	NO
FW01(F)	99.719	99.119	0.600	PPIC	450Ø	NO
FW02(F)	100.032	98.744	1.288	PPIC	450Ø	NO
FW01(G)	99.839	99.059	0.780	PPIC	450Ø	YES
FW02(G)	99.669	98.957	0.712	PPIC	450Ø	YES
FW01(H)	99.715	99.115	0.600	PPIC	450Ø	NO
FW02(H)	99.715	98.987	0.725	PPIC	450Ø	NO
FW03(H)	99.564	98.909	0.728	PPIC	450Ø	NO
FW04(H)	99.620	98.868	0.602	PPIC	450Ø	NO
FW05(H)	99.529	98.641	0.888	PPIC	450Ø	NO
FW06(H)	99.535	98.546	0.989	PPIC	450Ø	NO
FW01(I)	99.769	99.088	0.681	PPIC	450Ø	YES
FW02(I)	99.735	98.876	0.859	PPIC	450Ø	YES
FW03(I)	99.564	98.663	0.901	PPIC	450Ø	NO
FW04(I)	99.225	98.243	0.982	PPIC	450Ø	YES
FW01(J)	98.520	97.920	0.600	PPIC	450Ø	NO
FW02(J)	98.520	97.861	0.659	PPIC	450Ø	NO
FW03(J)	98.508	97.829	0.679	PPIC	450Ø	NO
FW04(J)	98.487	97.739	0.748	PPIC	450Ø	YES
FW01(K)	98.136	97.536	0.600	PPIC	450Ø	YES
FW01(L)	99.577	98.977	0.600	PPIC	450Ø	NO
FW01(M)	99.494	98.974	0.520	PPIC	450Ø	YES
FW02(M)	99.579	98.582	0.997	PPIC	450Ø	YES
FW03(M)	99.504	98.495	1.009	PPIC	450Ø	YES
FW04(M)	99.389	98.466	0.923	PPIC	450Ø	NO
FW05(M)	99.509	98.329	1.180	PPIC	450Ø	NO
FW06(M)	99.701	98.204	1.497	PPIC	450Ø	NO
FW07(M)	99.769	98.101	1.668	PPIC	450Ø	NO
FW08(M)	99.680	97.997	1.683	PPIC	450Ø	NO
FW09(M)	99.655	97.890	1.765	PPIC	450Ø	NO
FW10(M)	99.465	97.776	1.689	PPIC	450Ø	NO
FW01(N)	99.725	97.997	1.728	PPIC	450Ø	YES
FW01(O)	99.585	98.985	0.600	PPIC	450Ø	YES
FW01(P)	99.684	99.084	0.600	PPIC	450Ø	YES
FW01(R)	99.624	98.951	0.683	PPIC	450Ø	YES
FW01(Q)	99.535	98.935	0.600	PPIC	450Ø	NO
FW02(Q)	99.418	98.818	0.600	PPIC	450Ø	NO
FW03(Q)	99.493	98.768	0.725	PPIC	450Ø	NO
FW01(S)	99.494	99.002	0.492	PPIC	450Ø	NO
FW02(S)	99.475	98.875	0.600	PPIC	450Ø	NO
FW03(S)	99.477	98.749	0.728	PPIC	450Ø	NO
FW04(S)	99.494	98.749	0.745	PPIC	450Ø	YES
FW05(S)	99.634	98.653	0.981	PPIC	450Ø	YES
FW01(T)	99.545	98.945	0.600	PPIC	450Ø	NO
FW01(U)	99.280	98.680	0.600	PPIC	450Ø	NO

NOTES:

1. THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF BELL MUNRO CONSULTING LTD. THE DRAWING MUST NOT BE REPRODUCED IN PART OR IN WHOLE WITHOUT PRIOR WRITTEN AUTHORITY.
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4. ALL EXISTING DRAINAGE TO BE CONFIRMED PRIOR TO CONSTRUCTION COMMENCING.
5. ALL NEW PLASTIC PIPEWORK TO BE KITEMARKED TO THE RELEVANT BRITISH STANDARD IN ORDER TO BE ADOPTED. THERMOPLASTIC STRUCTURED WALLED PIPES MUST COMPLY WITH WIS 4-35-01 AND ACHIEVE CLASS 8KN/M2 NOMINAL SHORT TERM RING STIFFNESS. MANHOLE CHANNEL FITTINGS TO BE VITRIFED CLAY FOR PIPE DIAMETERS OF 300MM OR LESS (REFER TO MANHOLE DETAILS).
6. ALL EXTERNAL MANHOLE COVERS TO BE TO EN124:1994 - TRAFFICKED AREAS GRADE D400 AND 150MM DEEP.
7. PLASTIC PIPES (PVC-U)TO BE FLEXIBLY JOINTED AND COMPLY WITH THE REQUIREMENTS OF BS EN 1401-1 1998.
8. PIPES AND FITTINGS ARE TO BE LAID IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
9. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING NO J4958 / 02 DRAINAGE DETAILS.
10. MANHOLE COVERS IN LANDSCAPED AND PAVED AREAS TO BE LOAD CLASS B125 BS EN 124.
11. MANHOLE COVERS IN PAVED AREAS TO BE RECESSED TO ACCEPT PAVING FINISH.
12. ACCESS COVERS FOR GULLIES IN KERBSIDES TO BE LOAD CLASS C250 BS EN 124.
13. ALL PIPEWORK AT COVER LEVELS LESS THAN 900MM IN TRAFFICKED AREAS AND 400MM IN OTHER AREAS SHALL BE ENCASED IN CONCRETE (CLASS Z BEDDING).

CONSTRUCTION

REV	COMMENTS	DATE	BY
A	SITE LEVELS 4095682	14.07.17	TN

BMC

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CLIENT: HOUSE CROWD

PROJECT: BOLTON HALL, ROTHERHAM

TITLE: GA OF FW DRAINAGE LAYOUT

DRAWN BY:	CHECKED BY:	SCALE:	DATE:
TN	MOS	1:50	03.17

DRAWING NUMBER: J4958 / D03

REVISION: A