



- NOTES**
- DO NOT SCALE THIS DRAWING. WORK TO FIGURED DIMENSIONS ONLY. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
 - This drawing to be read in conjunction with all relevant Architect's, Engineer's and Specialist's drawings and the specification.
 - All work to comply with the relevant British Standards, Codes of Practice and the Building Regulations. All Private Drainage to be constructed in accordance with Building Regulations.
 - Any discrepancies between all working drawings, specifications and schedules of all disciplines to be immediately notified to CTP for clarification/correction prior to construction.
 - Minimum depth to invert of foul branch pipe to SVP/SS below finished floor level to be: 450mm 0 - 3 storeys
750mm >3 storeys
 - Gradient of under floor branch pipes to be 1:40 and no flatter than 1:80
 - An allowance of 50mm has been made for branch to main channel connections in PPIC chambers.
 - Manhole benching to be set at pipe soffit to soffit in chambers where incoming and outgoing pipe sizes differ.
 - All RWP, SVP and SS positions have been assumed and are subject to confirmation from the architect. For the location of all RWPs and SVPs refer to architects drawings. During construction the location of all RWP, SVP and SS positions should be setout from architectural drawings and not the drainage layout general arrangement.
 - All Private drainage pipes to be thermoplastic pipes, all Public pipes are to be vitrified clay
 - All SVP's should be fitted with Roddable Access Plate Fittings.
 - Where existing manholes are to be reused or new pipework connected the existing benching shall be completely replaced.
 - All areas of excavation are to be scanned and marked for existing services prior to any excavation.
 - All below ground pipes to be 100mm Ø unless noted otherwise.
 - Root protection to be provided for drainage close to trees. Excavations in root protection area to be hand dug.
 - All manholes in hard paved areas to have recessed covers to allow for surfacing (to architect specification).

FOR CONSTRUCTION

C11	SW Drainage to Front of JVC Revised	16.03.22	SP	AK
C10	JVC Bin Store Foul Gully Added FM49 Added and FM06 Invert Level Revised	17.02.22	SP	AK
C9	Block E FW Chambers Revised SM41 Added and Orifice Plate Sizes Updated For Revised Impermeable Parking Bays	10.02.22	SP	AK
C8	SW Chambers Revised to New RWP Positions Drainage to the Rear of Block A Revised SM30 & SM30 Revised to Rodding Eyes FM38 Added for Unit 3 SVP Connection	06.12.21	SP	AK
C7	FW Drainage Amended to New SVP Positions. Backdrop on FM05 No Longer Required	13.09.21	SP	AK
C6	Revised to drawing A6524-1500-C6 See Clouded	20.04.21	SP	AK
C5	Revised to drawing A6524-1500-C5 See Clouded	16.04.21	SP	AK
C4	All Incoming/Outgoing Manhole IL's Lowered to the Attenuation Tanks Base SM35 Revised to 1800Ø CP Manhole and Relocated Away from Highway	14.04.21	SP	AK
C3	Revised to drawing A6524-1500-C3 See Clouded	22.03.21	SP	AK
C2	Revised to drawing A6524-1500-C2 See Clouded	23.02.21	SP	AK
C1	Revised to drawing A6524-1500-C1	17.12.20	SP	AK
T3	MH SW22 added	23.03.20	SF	SM
T2	Invert Level of manhole HB03 revised	20.03.20	SF	SM
T1	Tender Issue	18.03.20	SF	SM
P1	Preliminary Issue	28.02.20	SF	SM
Revised by		Drawn by	Checked by	Scale
SF		FEB 2020		CIVIL

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Project Title: JAVELIN WAY

MANHOLE SCHEDULES

Drawing Number:	Scale:
	NTS @A1 Unless Noted Otherwise

A6524-1505 - C11

FW Manhole Details									
FMHNO	COVER	INVERT	INVERT2	DEPTH	COVER-TYPE	MH-SZ	Position X	Position Y	Notes
FM01	CL:41.375	IL:39.900		1.474	D400	1200Ø	602216.784	142999.008	
FM02	CL:41.000	IL:39.703		1.297	D400	1200Ø	602225.158	143013.153	
FM03	CL:40.475	IL:39.175		1.300	D400	1200Ø	602186.872	143035.830	
FM04	CL:40.450	IL:39.140		1.310	D400	1200Ø	602184.289	143031.465	
FM05	CL:40.600	IL:38.955		1.645	D400	1200Ø	602169.923	143007.210	
FM06	CL:41.600	IL:40.662		0.938	B125	450Ø	602228.196	142978.019	
FM07	CL:41.680	IL:40.550		1.130	B125	450Ø	602218.102	142984.298	
FM08	CL:41.375	IL:40.590		0.785	B125	450Ø	602223.038	143001.155	
FM09	CL: -	IL: -					602730.228	142219.717	Chamber Omitted
FM10	CL: -	IL: -					602725.254	142221.668	Chamber Omitted
FM11	CL: -	IL: -					602718.159	142225.870	Chamber Omitted
FM12	CL:41.500	IL:40.740		0.760	C250	450Ø	602247.099	142997.940	
FM13	CL:41.400	IL:40.660		0.740	C250	450Ø	602248.074	142999.587	
FM14	CL:41.450	IL:40.750		0.700	C250	450Ø	602242.162	143000.864	
FM15	CL:41.475	IL:40.600		0.900	C250	450Ø	602278.503	142997.612	
FM16	CL:41.475	IL:40.445		1.030	C250	450Ø	602271.929	143001.512	
FM17	CL:41.475	IL:40.400		1.075	C250	450Ø	602268.353	143003.628	
FM18	CL:41.475	IL:40.280		1.195	C250	450Ø	602259.651	143008.778	
FM19	CL:41.225	IL:40.235		0.990	C250	450Ø	602256.067	143010.881	
FM20	CL:41.225	IL:40.115		1.110	C250	450Ø	602247.372	143016.042	
FM21	CL:41.225	IL:40.070		1.155	C250	450Ø	602243.840	143018.135	
FM22	CL:40.950	IL:40.150		0.800	C250	450Ø	602223.203	143030.351	
FM23	CL:40.975	IL:39.985		0.990	C250	450Ø	602232.229	143025.007	
FM24	CL:41.225	IL:39.900		1.325	C250	450Ø	602235.090	143023.300	
FM25	CL:40.725	IL:39.920		0.805	C250	450Ø	602219.435	143032.806	
FM26	CL:40.725	IL:39.760		0.965	C250	450Ø	602210.668	143038.057	
FM27	CL:40.525	IL:39.670		0.855	C250	450Ø	602207.188	143040.118	
FM28	CL:40.425	IL:39.510		0.915	C250	450Ø	602198.412	143045.339	
FM29	CL:40.475	IL:39.465		1.010	C250	450Ø	602195.522	143047.019	
FM30	CL:40.275	IL:39.525		0.750	C250	450Ø	602184.911	143064.215	
FM31	CL:40.250	IL:39.460		0.790	C250	450Ø	602180.240	143055.562	
FM32	CL:40.300	IL:39.461		0.839	C250	450Ø	602178.416	143053.288	
FM33	CL:40.050	IL:39.290		0.760	D400	1200Ø	602189.299	143050.633	
FM34	CL:40.675	IL:39.950		0.725	C250	450Ø	602159.641	143021.263	
FM35	CL:40.625	IL:39.730		0.895	C250	450Ø	602166.836	143033.435	
FM36	CL:40.625	IL:39.630		0.995	C250	450Ø	602170.942	143040.518	
FM37	CL:40.275	IL:39.415		0.860	C250	450Ø	602173.386	143044.733	
FM38	CL:40.625	IL:39.820		0.805	C250	450Ø	602163.800	143028.449	
FM39	CL: -	IL: -					602694.348	142239.583	Chamber Omitted
FM40	CL: -	IL: -					602687.885	142243.412	Chamber Omitted
FM41	CL: -	IL: -					602681.421	142247.240	Chamber Omitted
FM42	CL:40.800	IL:39.740		1.060	C250	450Ø	602156.079	143015.276	
FM43	CL: -	IL: -					602740.189	142214.710	Chamber Omitted
FM44	CL:40.800	IL:39.950		0.850	C250	450Ø	602153.854	143011.539	
FM45	CL:41.300	IL:40.000		1.300	B125	450Ø	602187.761	142999.832	
FM46	CL:40.550	IL:39.760		0.790	B125	450Ø	602185.313	143000.873	
FM47	CL:40.550	IL:39.120		1.430	B125	450Ø	602173.756	143007.923	
FM48	CL: -	IL: -					602734.301	142217.423	Chamber Omitted
FM49	CL:41.440	IL:40.890		0.550	B125	450Ø	602248.186	142966.360	

SW Manhole Details									
SMHNO	COVER	INVERT	DEPTH	COVER-TYPE	MH-SZ	Position X	Position Y	Notes	
HB01	CL:41.050	IL:39.200	1.850	D400	1200Ø	602242.572	143013.579	Hydrobrake 1.9 l/s	
HB02	CL:40.150	IL:37.900	2.250	D400	1200Ø	602191.548	143043.527	Hydrobrake 3.5 l/s	
PCS01	CL:40.520	IL:37.650	2.870	D400	TBC	602167.691	143012.235	Pump 3.8 l/s	
SM01	CL:41.275	IL:39.300	1.975	D400	1200Ø	602275.353	142994.163	Catchpit	
SM02	CL:41.300	IL:39.300	2.000	D400	1200Ø	602257.395	142998.761	Catchpit	
SM03	CL:40.830	IL:38.000	2.830	D400	1200Ø	602229.572	143020.988	Catchpit	
SM04	CL:40.650	IL:38.000	2.650	D400	1200Ø	602208.947	143025.862	Catchpit	
SM05	CL:40.325	IL:38.000	2.325	D400	1200Ø	602191.148	143036.405	Catchpit	
SM06	CL:40.230	IL:37.750	2.480	D400	1200Ø	602182.481	143037.207	Catchpit	
SM07	CL:40.410	IL:37.750	2.660	D400	1200Ø	602181.776	143030.002	Catchpit	
SM08	CL:40.600	IL:37.750	2.850	D400	1200Ø	602175.169	143018.871	Catchpit	
SM09	CL:40.100	IL:38.850	1.250	D400	1200Ø	602195.496	143063.685	Catchpit	
SM10	CL:40.075	IL:38.750	1.325	D400	1200Ø	602193.372	143064.923		
SM11	CL:40.250	IL:37.750	2.500	D400	1200Ø	602178.717	143039.441	Catchpit	
SM12	CL:40.800	IL:39.615	1.185	C250	1050Ø	602138.315	143006.664	Orifice Plate 50mmØ	
SM13	CL:41.300	IL:40.450	0.900	D400	600Ø	602280.045	142989.417		
SM14	CL:40.600	IL:39.720	0.880	D400	450Ø	602164.769	143011.614		
SM15	CL:41.500	IL:40.900	0.600	B125	450Ø	602257.060	142972.962		
SM16	CL:41.450	IL:40.610	0.840	B125	450Ø	602261.671	142980.491		
SM17	CL:41.450	IL:40.400	1.050	B125	450Ø	602265.271	142978.239		
SM18	CL:41.100	IL:40.450	0.650	B125	450Ø	602257.704	143028.816		
SM19	CL:41.350	IL:40.030	1.320	B125	450Ø	602294.123	143007.307		
SM20	CL:41.350	IL:39.870	1.480	B125	450Ø	602285.859	142993.335		
SM21	CL:41.600	IL:41.000	0.600	B125	450Ø	602239.326	142968.229		
SM22	CL:41.920	IL:40.892	1.028	C250	450Ø	602229.434	142974.128		
SM23	CL:41.600	IL:40.778	0.822	C250	450Ø	602219.051	142980.277		
SM24	CL:41.595	IL:40.710	0.885	B125	450Ø	602212.774	142983.992		
SM25	CL:41.250	IL:40.300	0.950	C250	450Ø	602199.173	143015.509		
SM26	CL:40.870	IL:39.920	0.950	C250	450Ø	602189.160	143021.440		
SM27	CL:40.850	IL:40.150	0.700	B125	450Ø	602243.308	143035.614		
SM28	CL:40.400	IL:39.600	0.800	B125	450Ø	602222.169	143048.028		
SM29	CL:40.060	IL:39.160	0.900	B125	450Ø	602197.409	143062.570		
SM30	CL:40.450	IL:39.705	0.880	B125	160Ø	602146.607	143030.418	Rodding Eye	
SM31	CL:40.750	IL:39.550	1.200	B125	600Ø	602134.138	143009.591	Orifice Plate 70mmØ	
SM32	CL:40.800	IL:39.800	1.000	B125	600Ø	602147.033	143001.512		
SM33	CL:40.300	IL:39.560	0.740	B125	160Ø	602149.553	143033.338	Rodding Eye	
SM34	CL:40.150	IL:39.230	1.200	C250	600Ø	602176.136	143076.516	Orifice Plate 60mmØ	
SM35	CL:41.100	IL:39.014	2.086	D400	1800Ø	602133.973	143003.990	Catchpit	
SM36	CL:40.150	IL:38.457	2.693	D400	1800Ø	602180.932	143073.660		
SM37	CL:41.345	IL:40.580	0.765	C250	600Ø	602201.141	142990.558		
SM38	CL:41.070	IL:39.645	1.425	D400	1200Ø	602220.312	143008.660		
SM39	CL:40.560	IL:39.360	1.200	D400	1200Ø	602171.546	143012.755		
SM40	CL:40.540	IL:37.750	2.790	D400	1200Ø	602163.922	143014.467	Tank Rodding Access	
SM41	CL:40.670	IL:39.820	0.850	C250	450Ø	602172.829	143000.751		

CDM 2015 RESIDUAL RISKS

- Buried existing services
- Existing drainage to be maintained
- Working on or by a live sewer
- Stability of deep excavations

The above residual risks are for non-standard hazards. It is assumed that a competent contractor familiar with the construction of this type of work will be appointed who will be aware of the standard hazards.