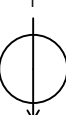
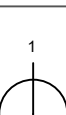


FOUL WATER
MANHOLE SCHEDULE

Manhole Number		Cover Level	Pipe			Man Size	Types		Manhole Number	Cover Level	Pipe			Manhole Size	Types		Manhole Number	Cover Level	Pipe			Manhole Size	Types											
Coordinates	Depth To Soffit	Connections	Code	Inverts	Diams		Manhole	Cover	Coordinates	Depth To Soffit	Connections	Code	Inverts		Diams	Manhole	Cover	Coordinates	Depth To Soffit	Connections	Code		Inverts	Diams	Manhole	Cover								
F1	13.427					300	E	B125	F11	13.610		1	1.009	11.335	150	300	D	B125	F21	13.508		1	2.006	11.510	150	300	E	B125						
E. 346261.819	0.327										E. 346252.812	2.125		1								E. 346254.130	1.848											
N. 387610.248			0	1.000	13.000				100		N. 387709.533			0	1.010				11.335	150		N. 387689.799		0	2.007				11.510	150				
F2	13.349		1	1.000	12.900	100	300	E	B125	F12	14.154		1	1.011	11.260	150	1000	N/A	B125	F22	13.234					150	300	E	B125					
E. 346265.531	0.349										E. 346242.418	2.744		0	1.012	11.260				TBC		E. 346226.535	0.584		0	3.000				12.550	100			
N. 387608.887			0	1.001	12.900	100					N. 387713.350			0	1.012	13.245				TBC		N. 387643.621		0	3.000	12.390				100				
F3	13.449		1	1.001	12.675	100	300	E	B125	F13	14.178		1	1.012	13.245	TBC	300	D	B125	F23	13.193		1	3.001	12.390	100	300	E	B125					
E. 346268.655	0.674										E. 346240.071	0.833		0	1.013	13.245				100		E. 346225.090	0.703		0	3.001				12.390	100			
N. 387617.413			0	1.002	12.675	100					N. 387714.216			0								N. 387639.680		0	3.001	12.390				100				
F4	13.480		1	1.002	12.505	100	300	E	B125	F14	12.948					300	E	B125	F24	13.266		1	3.001	12.185	100	300	E	B125						
E. 346273.309	0.875										E. 346228.135	0.508		0	2.000				12.340	100		E. 346230.836	0.981		0				3.002	12.185	100			
N. 387630.105			0	1.003	12.505	100					N. 387609.932			0								N. 387637.573		0										
F5	13.425		1	1.003	12.305	100	300	E	B125	F15	12.978		1	2.000	12.235	100	300	E	B125	F25	13.467					100	300	E	D400					
E. 346278.819	1.020										E. 346229.598	0.643		0	2.001	12.235				100		E. 346258.467	0.652		0	4.000				12.715	100			
N. 387645.130			0	1.004	12.305	100					N. 387613.920			1	3.002	11.950				100		N. 387659.120		0	4.000	12.500				100				
F6	13.495		1	1.004	12.145	100	300	E	B125	F16	13.222		2	2.001	11.950	100	300	E	B125	F26	13.467		1	4.000	12.500	100	300	E	D400					
E. 346274.690	1.250										E. 346237.387	1.172		0	2.002	11.900				150		E. 346261.439	0.867		0	4.001				12.500	100			
N. 387657.346			0	1.005	12.145	100					N. 387635.171			0								N. 387667.224		0	4.001	12.500				100				
F7	13.736		1	1.005	11.725	100	300	D	B125	F17	13.283		1	2.002	11.765	150	300	E	D400	F27	13.467		1	4.001	12.385	100	300	E	D400					
E. 346284.832	1.911										E. 346244.288	1.368		0	2.003	11.765				150		E. 346263.041	0.982		0	4.002				12.385	100			
N. 387685.007			0	1.006	11.675	150					N. 387653.992			0								N. 387671.596		0	4.002	12.385				100				
F8	13.618		1	1.006	11.520	150	300	D	B125	F18	13.315		1	2.003	11.735	150	300	E	D400	F28	13.424					100	300	E	B125					
E. 346283.385	1.948										E. 346242.453	1.430		0	2.004	11.735				150		E. 346233.013	0.624		0	5.000				12.700	100			
N. 387692.871			0	1.007	11.520	150					N. 387657.952			0								N. 387690.865		0	5.000	12.700				100				
F9	13.572		2	2.007	11.470	150	300	D	B125	F19	13.320		1	2.004	11.635	150	300	E	D400	F29	13.567		1	5.000	12.210	100	300	E	B125					
E. 346256.220	1.952										E. 346249.302	1.535		0	2.005	11.635				150		E. 346235.419	1.257		0	5.001				12.210	100			
N. 387695.496			0	1.008	11.470	150					N. 387676.633			0								N. 387697.428		0	5.001	12.210				100				
F10	13.500		2	5.002	11.470	100	300	D	B125	F20	13.467		1	2.005	11.530	150	300	E	B125	F30	13.424		1	5.001	11.820	100	300	E	B125					
E. 346248.772	1.930										E. 346253.161	1.787		0	2.006	11.530				150		E. 346241.909	1.504		0	5.002				11.820	100			
N. 387698.229			0	1.009	11.420	150					N. 387687.157			0								N. 387695.048		0	5.002	11.820				100				

SURFACE WATER
MANHOLE SCHEDULE

Manhole Number	Cover Level		Pipe			Manhole Size	Types		
Coordinates	Depth To Soffit	Connections	Code	Inverts	Diams		Manhole	Cover	
S1	13.692								
E: 346255.952	1.552		0	1.000	11.990	150	450	E	D400
N: 387710.868			1	1.000	11.845	150			
S2	13.400								
E: 346248.652	1.405		0	1.001	11.845	150	450	E	D400
N: 387690.474			1	1.001	11.720	150			
S3	13.385								
E: 346255.776	1.515		0	1.002	11.720	150	450	E	D400
N: 387675.404			1	1.003	11.480	300			
S4	13.386								
E: 346247.850	1.606		0	1.004	11.480	450	600	D	D400
N: 387653.790			1	1.004	11.440	450			
S5	13.190								
E: 346243.822	1.300		0	1.005	11.440	450	600	D	D400
N: 387642.800			1	1.005	11.425	450			
S6	13.100								
E: 346246.180	1.225		0	1.006	11.425	450	600	D	D400
N: 387637.711			1	1.006	11.385	450			
S7	12.900								
E: 346240.543	1.065		0	1.007	11.385	450	600	D	D400
N: 387622.339			1	1.007	11.370	450			
S8	12.900								
E: 346238.642	1.080		0	1.008	11.370	450	600	D	D400
N: 387617.154			1	1.008	11.325	450			
S9	12.662								
E: 346232.434	1.187		0	1.009	11.325	150	1200	B	D400
N: 387600.223			1	1.009	11.235	150			
S10	12.877								
E: 346219.988	1.492		0	1.010	11.235	150	450	E	B125
N: 387604.786									

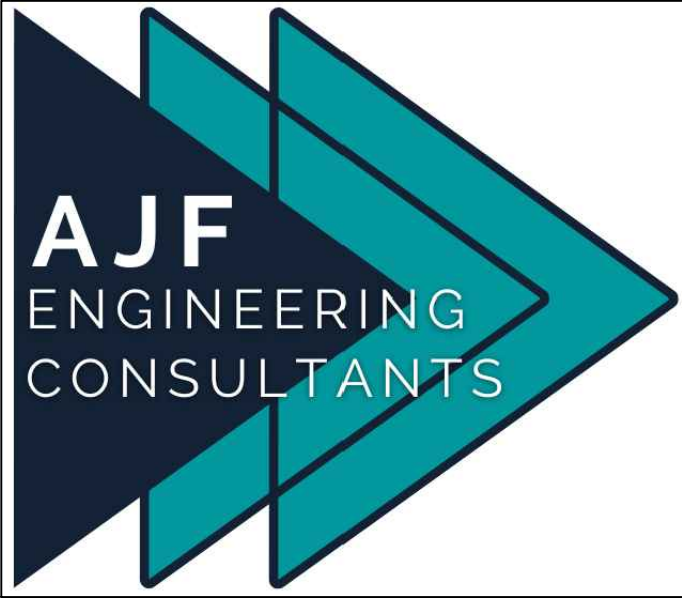
NOTES

- DO NOT SCALE FROM THIS DRAWING. USE ONLY WRITTEN DIMENSIONS.
- ALL PIPE DIAMETERS ARE IN MILLIMETRES AND ALL LEVELS ARE IN METRES UNLESS OTHERWISE STATED.
- LOCATIONS AND LEVELS OF CONNECTIONS TO EXISTING SEWERS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO COMMENCING WORKS. ANOMALIES ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
- COVER LEVELS FOR MANHOLES AND INSPECTION CHAMBERS ARE INDICATIVE ONLY - THEY SHALL BE LAID FLUSH WITH THE ADJACENT SURFACING.
- ALL WORKS TO COMPLY WITH "DESIGN & CONSTRUCTION GUIDE LATEST EDITION". ALL WORKMANSHIP TO BE IN ACCORDANCE WITH CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY (CESWI) UNLESS OTHERWISE STATED.
- PROPOSED PIPEWORK WITH LESS THAN THE FOLLOWING DEPTHS TO SOFFIT REQUIRES A CONCRETE SURROUND:
 - PROPOSED PIPEWORK WITH <1.2m DEPTH TO SOFFIT IN ROAD/SERVICE AREAS.
 - OR <0.9m DEPTH TO SOFFIT IN PEDESTRIAN AREAS & DOMESTIC DRIVEWAYS WITH 7.5T VEHICLE WEIGHT LIMIT.
 - OR <0.5m DEPTH TO SOFFIT IN PEDESTRIAN AREAS & DOMESTIC DRIVEWAYS WITH NO VEHICLE WEIGHT LIMIT.
 - OR <0.35m DEPTH TO SOFFIT IN LANDSCAPED AREAS REQUIRES CLASS 2 BEDDING.
- PIPEWORK BUILT THROUGH STRUCTURAL WALL SHALL HAVE 50mm CLEARANCE AND A SUITABLE LINTEL INSTALLED TO OPENING.FLEXIBLE JOINTS EITHER SIDE OF THE WALL SHOULD BE LOCATED NOT MORE THEN 150mm FROM THE FACE.
- TYPE E AND D PIPES ARE BY WAVIN OR SIMILAR APPROVED.
- ANY 100mm DIA. WITHOUT A WC CONNECTION SHOULD NOT BE FLATTER THAN 1:40
- ALL RWPS ARE TO OUTFALL VIA PLASTIDRAIN INLET HOPPER GULLY - BN 110 PIE OR SIMILAR APPROVED.
- A 30mm REDUCTION IN LEVEL HAS BEEN ALLOWED FOR IN THE CALCULATION OF INVERT LEVELS FOR ALL BRANCH CONNECTIONS TO PLASTIC INSPECTION CHAMBERS (AS PER WAVIN DETAILS). INVERT LEVELS REFER TO MAIN CHANNEL. IF ALTERNATIVE CHAMBERS ARE PROPOSED THIS VALUE MAY VARY AND THE DESIGNER SHOULD BE CONSULTED.
- ALL AREAS TO BE SCANNED FOR EXISTING BURIED SERVICES OR OTHER OBSTRUCTIONS PRIOR TO EXCAVATION WORKS.
- PROPOSED FOUL DRAINAGE TO BE CONSTRUCTED IN ACCORDANCE WITH BUILDING REGULATIONS 2010 DRAINAGE & WASTE DISPOSAL - PART H 2015 EDITION.
- ALL MANHOLE COVER LEVELS AND EXTERNAL FINISHED FLOOR LEVELS ARE TO BE CONFIRMED BY THE ARCHITECT. COVER LEVELS FOR MANHOLES AND INSPECTION CHAMBERS ARE INDICATIVE ONLY - THEY SHALL BE LAID FLUSH WITH THE ADJACENT SURFACING.
- CONTRACTOR TO CONFIRM INVERT LEVELS OF PROPOSED CONNECTION ON EXISTING UNITED UTILITIES SEWERS.
- ALL SOIL STACK CONNECTIONS TO BELOW GROUND DRAINAGE TO BE 100mm Ø LAID AT MINIMUM 1:50 GRADIENT (MIN. 1WC), UNLESS OTHERWISE STATED ON DRAWING.
- ANY REQUIRED FOUNDATION PENETRATION DETAILS TO BE PROVIDED BY STRUCTURAL ENGINEER.
- CONNECTIONS UPSTREAM TO SVPS/SS TO BE DESIGNED BY OTHERS.
- THE DEVELOPER MUST SELF-VET AND CERTIFY THAT THE DESIGN CRITERIA, MATERIAL STANDARDS AND WORKMANSHIP SPECIFICATIONS FOR THE PROPOSED ADOPATABLE LATERAL DRAIN ARE IN ACCORDANCE WITH THOSE SET OUT IN 'SEWERS FOR ADOPTION' 7TH EDITION, AND THE REQUIREMENTS OF UU AS THE STATUTORY SEWERAGE UNDERTAKER.
- FOUL PIPEWORK TO BE VITRIFIED CLAY OR PLASTIC. VITRIFIED CLAY PIPES SHOULD COMPLY WITH REQUIREMENTS BS EN 295 FOR FOUL PIPES.
- PLASTIC PIPEWORK IS TO BE INSTALLED (POLYPIPE OR SIMILAR APPROVED) IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION. ALL THERMOPLASTIC PIPEWORK SHALL COMPLY WITH THE REQUIREMENTS OF E2.21 & E2.22 (PAGE 89) OF SEWERS FOR ADOPTION 7TH EDITION.
- ANY PIPE RUNS WITH LESS THAN 0.9m COVER LOCATED WITHIN NON-TRAFFICKED AREAS ARE TO BE 150mm GEN CONCRETE BED AND SURROUND.
- ANY GREASE DRAINS THAT ARE DIRECTED TO GREASE TRAPS MUST USE CAST IRON PIPING SYSTEMS THAT ALLOW MECHANICAL CLEANING WHEN BLOCKAGES OCCUR.
- ALL SVP LOCATIONS AND DISCHARGE UNITS ARE PROVIDED BY M&E ENGINEER OR ARCHITECT SITE BOUNDARY
- ALL SVPS ARE TO HAVE LOW LEVEL ACCESS PLATES.
- FOUL DRAINAGE REST BENDS TO BE MINIMUM 450mm DEEP.
- DRAINAGE CONNECTIONS TO BE MADE SOFFIT TO SOFFIT FOR SURFACE WATER.
- A SECTION 106 APPLICATION TO CONNECT TO THE FOUL & SURFACE WATER DRAINAGE SYSTEMS MUST BE MADE TO UNITED UTILITIES. THE DEVELOPER SHALL GIVE 21 DAYS' NOTICE PRIOR TO CONNECTION. THE WORKS MAY ONLY BE UNDERTAKEN BY AN SSIP HEALTH AND SAFETY APPROVED CONTRACTOR.

R1	21/07/25	FOR INFORMATION		MG	CLS
REV	DATE	DESCRIPTION	DRN	CHD	AJF

DRG. STATUS

FOR INFORMATION



CLIENT	DOWLS CONSTRUCTION LTD
PROJECT	NETHERLEY ROAD, TARBOCK GREEN, PRESCOT, L35 1QE
DRG. TITLE	PROPOSED DRAINAGE ARRANGEMENT MANHOLE SCHEDULE
DRG. NO.	25085-AJF-ZZ-ZZ-DR-D-102
REV	R1