S	S	S	S	(0	S										_	<u> </u>
515	614	\$13	612	S11	\$10	S9	88	S7	S6	S5	S4	S3	S2	S ₁	REF	
134.500	134.700	132.900	134.150	134.000	133.650	132.900	132.600	134.600	134.575	134.500	134.100	133.750	133.500	133.100	COVER LEVEL (APPROX) (m)	ADOPTABLE
TYPE.B 1200	TYPE.B 1200	TYPE.B 1200	TYPE.B 1200	TYPE.B 1200	TYPE.B 1200	TYPE.B 1200	TYPE.B 1200	TYPE.B 2100	TYPE.B 2100	TYPE.B 2100	TYPE.B 2100	TYPE.B 3000	TYPE.B 1500	TYPE.B 1500	MANHOLE INTERNAL DIA (mm) M.H. TYPE	
N N	3 2	2	2	2	2/3/4	2	4 2	2 3	2 2	2	2/3/3	2 3	2	→ Ny w	LAYOUT	SURFACE W/
2 1	3 2 1	2 1		ν -	4321	N ¬	<u> </u>	L S & 4	3 2 1	2 1	2 2 1	L α ω 4	2 1	ω Ν ユ	PIPE REF	WATER
133.000	133.500 133.500 133.500	131.900 131.900	133.000 133.000 133.000	132.650 132.650	132.300 132.300 132.300 132.300 132.300	131.600 131.675	131.475 131.550 131.475 131.550	131.327 132.377 132.302 132.377	131.166 131.166 132.216	131.140 131.140	131.116 131.116 132.166	131.100 131.100 131.100 131.100	131.000 131.000	130.950 130.950 130.950	INVERT LEVEL (m)	
150	150 150	150	150 150	150	150 150 150	150	150 225 150	150 225 150	1200 150	1200	1200 150	150 1200 150	150	150 150	INCOMING PIPE DIA (mm)	MANHOLE SCHEDULE
150	150	150	150	150	150	225	225	1200	1200	1200	1200	150	150	150	OUTGOING PIPE DIA (mm)	CHEDULE
D400	D400	D400	D400	D400	D400	D400	D400	D400	D400	D400	D400	D400	D400	D400	MANHOLE COVER GRADE TO BS EN124	
												HYDRO-BRAKE FLOW CONTROL CHAMBER			COMMENT	
															EASTING	
															NORTHING	

	ADC	ADOPTABLE	FOUL WATER	H H	MANHOLE		SCHEDULE				
REF	COVER	MANHOLE INTERNAL	LAYOUT	REF	INVERT	0 -	OUTGOING PIPE	MANHOLE COVER	COMMENT	EASTING	NORTHING
	(APPROX)	DIA (mm) M.H. TYPE		PIPE	(m)	DIA (mm)	DIA (mm)	GRADE TO BS EN124			
크	133.500	TYPE.B 1200	2	2 1	130.840 130.840	150	150	D400			
F2	133.700	TYPE.B 1200	1	2	130.900 130.900	150	150	D400			
F3	134.000	TYPE.B 1200	2 3	321	130.960 130.960 130.960	150 150	150	D400			
F4	134.500	TYPE.B 1200	2	2	131.040 131.040	150	150	D400			
F5	134.550	TYPE.B 1200	1 2	32 1	131.120 131.120 131.120	150 150	150	D400			
F6	134.600	TYPE.B 1200	2	2 -	131.220 131.220	150	150	D400			
F7	132.600	TYPE.B 1200	11 3	3 2 1	131.550 131.550 131.550	150 150	150	D400			
F8	132.900	TYPE.B 1200	N N	N ¬	131.770 131.770	150	150	D400			
F9	133.600	TYPE.B 1200	N N	N -1	132.200 132.200	150	150	D400			
F10	133.900	TYPE.B 1200		N -1	132.500 132.500	150	150	D400			
F 1 1	134.200	TYPE.B 1200		N -1	133.000 133.050	100	150	D400			
F12	132.900	TYPE.B 1200	\(\sigma_{\sigma}\)	3 2 4	131.750 131.800 131.800	100	150	D400			
F13	134.800	TYPE.B 1200	N/	N -1	133.300 133.350	100	150	D400			
F14	134.400	TYPE.B 1200	3 2	ω Ν ユ	133.000 133.000 133.050	150 100	150	D400			

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1200	TYPE.B	TYPE.B 1200		TYPE.B 1200	TYPE.B 1200	TYPE.B 1200	TYPE.B 1200	TYPE.B 1200	TYPE.B 1200	TYPE.B 1200	TYPE.B 1200	TYPE.B 1200	TYPE.B 1200	TYPE.B 1200	(mm) M.H. TYPE	MANHOLE INTERNAL	DOPTABLE
	2/	3	2	2	1 2		2	² / ₁		3	2	² / ₃	2	2		LAYOUT	FOUL WATER
	2 -	3 2 -	`	2 1	ν -	2 1	2 1	3 N ¹	2	32 1	2 1	ω N ^Δ	22 -1	2 4	PIPE	REF	뭐
	133.300 133.350	131.800	131 750	133.000 133.050	132.500 132.500	132.200 132.200	131.770 131.770	131.550 131.550 131.550	131.220 131.220	131.120 131.120 131.120	131.040 131.040	130.960 130.960 130.960	130.900 130.900	130.840 130.840	(m)	INVERT	MANHOLE
	100	100 100		100	150	150	150	150 150	150	150 150	150	150 150	150	150	DIA (mm)	INCOMING PIPE	
	150	ē	150	150	150	150	150	150	150	150	150	150	150	150	DIA (mm)	OUTGOING PIPE	SCHEDULE
C+00		D400		D400	D400	D400	D400	D400	D400	D400	D400	D400	D400	D400	GRADE TO BS EN124	MANHOLE COVER	
																COMMENT	
																EASTING	
																NORTHING	
														<u> </u>	l		

DIAMETER OF LARGEST PIPE IN MANHOLE (mm)

INTERNAL DIAMETER
OF MANHOLE (mm)

LESS THAN 375 375-450 500-700 750-900 950-1200

1200 * 1500 1500 1800 2100

13. A FLEXIBLE JOINT SHALL BE PROVIDED AS CLOSE AS IS FEASIBLE TO OUTSIDE FACE OF ANY STRUCTURE INTO WHICH A PIPE IS BUILT, COMPATIBLE WITH THE SATISFACTORY COMPLETION AND SUBSEQUENT MOVEMENT OF THE JOINT, THE LENGTH OF THE NEXT PIPE (ROCKER PIPE) AWAY FROM THE STRUCTURE SHALL BE AS SHOWN IN THE TABLE BELOW.

NOMINAL DIAMETER (mm)

150-600

675-750

1.0

14. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM.

15. ALL ADOPTABLE DRAINAGE HAS BEEN DESIGNED NOT TO ATTENUATE FLOWS IN EXCESS OF THE 1 IN 30 YEAR RETURN STORM PERIOD.

16. ALL ADOPTABLE DRAINAGE HAS BEEN DESIGNED TO "SEWERS FOR ADOPTION 6th EDITION"

	NOT EXCEEDING 150mm FHICK. 12. MANHOLE DIAMETERS SHOULD BE IN ACCORDANCE WITH THE TABLE BELOW:	11. BACKFILL TO DRAINAGE TRENCHES UNDER CARRIAGEWAYS TO BE TYPE 1 SUB-BASE MATERIAL, ELSEWHERE BACKFILL I BE FREE DRAINING READILY COMPATIBLE MATERIAL, FREE FROM RUBBISH AND ORGANIC MATTER, FROZEN SOIL CLAY LUMPS AND LARGE STORES. TO BE COMPACTED IN LAYERS	10. WHERE DEPTH TO SOFFIT OF DRAINAGE PIPEWORK IS LESS THAN 900mm IN LANDSCAPED AREAS AND LESS THAN 1200mm IN TRAFFICKED AREAS THEN PIPEWORK IS TO BE PROTECTED WITH 150mm MINIMUM THICK CONCRETE BED & SURROUND.	9. TYPICAL PIPE BEDDING TO DRAINAGE WHERE DEPTH TO SOFFIT IS GREATER THAN 900mm IN LANDSCAPED AREAS AND GREATER THAN 1200mm IN TRAFFICKED AREAS IS TO BE CLAS S (I.E. 10-14mm GRADED IMPORTED GRANULAR BED AND SURROUND FOR PIPES UP TO 525Ø AND 20 - 40mm GRADED IMPORTED GRANULAR BED AND SURROUND FOR PIPES GREATER THAN 525Ø)	1500mm DIA STORAGE PIPES TO BE POLYPIPE RIDGISTORM WRc APPROVED AND BBA APPROVED.	ALISOS ALL DRAINAGE AND FITTINGS TO BE FLEXIBLY JOINTED CLAYWARE TO BS EN295 OR CONCRETE TO BS5911 PART 100 OR FLEXIBLY JOINTED UPVC PIPES AND FITTINGS TO WIS No	7. ALL EXISTING SERVICES TO BE LOCATED PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE WORKS WHERE NECESSARY PROTECTION OR DIVERSIONS TO BE UNDERTAKEN TO AVOID CONFLICT WITH THE PROPOSED	6. LOCATION AND LEVELS OF EXISTING DRAINAGE RUNS ARE BASED UPON SEWER RECORD PLANS AND MUST BE CHECKED ON SITE PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE WORKS	ANY DISCREPANCIES IN THE DETAILS SHOWN TO BE REPORTED TO THE EMPLOYER'S REPRESENTATIVE/ENGINEER PRIOR TO CONSTRUCTION.	4. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ENGINEERING DRAWINGS AND DETAILS AND CONTRACT DOCUMENTATION	3. ALL MATERIALS, UNLESS SPECIFIED OTHERWISE, SHALL COMPLY WITH THE RELEVANT BRITISH STANDARD. SOURCE OF MATERIALS ARE TO BE AGREED WITH THE EMPLOYER'S REPRESENTATIVE/ENGINEER IN ADVANCE OF THE WORKS.	 ALL DRAINAGE WORKS ARE TO COMPLY WITH THE REQUIREMENTS OF BS 752 BUILDING DRAINAGE AND BUILDING REGULATIONS 2000 APPROVED DOCUMENT H 2002 EDITION. 	 ALL DIMENSIONS IN MILLIMETRES UNLESS STATED OTHERWISE. 	
DIAMETER	DANCE WITH THE	CARRIAGEWAYS IERE BACKFILL TO ATERIAL, FREE ZEN SOIL CLAY TED IN LAYERS	EWORK IS LESS ESS THAN 1200mm O BE PROTECTED D & SURROUND.	E DEPTH TO APED AREAS AND AS IS TO BE CLASS AR BED AND 40mm GRADED FOR PIPES	E RIDGISTORM	Y JOINTED BS5911 PART 100 INGS TO WIS No	RIOR TO THE S WHERE O BE PROPOSED	AGE RUNS ARE AUST BE CHECKED ANY DRAINAGE	'N TO BE TATIVE/ENGINEER	N WITH ALL OTHER CONTRACT	WISE, SHALL IDARD. SOURCES 1E EMPLOYER'S 1F THE WORKS.	'H THE AGE AND BUILDING H 2002 EDITION.	TATED	

NOTES:

Description Chk/Adpp'd Date

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PRELIMINARY

Client/Architect
KEYWORKER HOMES LTD

RESIDENTIAL DEVELOPMENT

BIDDULPH FORGE WORKS

MANHOLE SCHEDULES

KEYTECH
DEVELOPMENT
DESIGN LTD
CONGLETON, CHESHIRE CW12

160.e-mail: garybennett172@blinlemet.com

Date JAN 18
Original & 1 ze
Drawn HEB
Checked A AS SHOWN

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