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Do not scale

FOUL WATER MANHOLE SCHEDULE							
Structure Name	Cover Level	Depth	MH DIA	Cover Type	Clear Opening	Connected Pipes	COMMENTS
FMH1	39.639	1.324	475Ø	D400	300x300	F1.000 Inv. 38.315	All external foul drainage chambers to have double sealed covers to mitigate risk of foul smells.
FMH2	39.571	1.426	475Ø	D400	300x300	F1.000 Inv. 38.145 F1.001 Inv. 38.145	All external foul drainage chambers to have double sealed covers to mitigate risk of foul smells.
FMH3	39.700	1.653	475Ø	D400	300x300	F1.001 Inv. 38.047 F1.002 Inv. 38.047	All external foul drainage chambers to have double sealed covers to mitigate risk of foul smells.
FMH4	39.606	1.416	1050Ø	D400	600x600	F2.000 Inv. 38.190	All external foul drainage chambers to have double sealed covers to mitigate risk of foul smells.
FMH5	39.452	1.352	1050Ø	D400	600x600	F2.001 Inv. 38.100 F2.000 Inv. 38.100	All external foul drainage chambers to have double sealed covers to mitigate risk of foul smells.
FMH6	39.430	1.662	1050Ø	D400	600x600	F2.001 Inv. 37.768 F2.002 Inv. 37.768	All external foul drainage chambers to have double sealed covers to mitigate risk of foul smells.
FMH7	39.542	1.839	1050Ø	D400	600x600	F1.002 Inv. 37.703 F2.002 Inv. 37.703 F1.003 Inv. 37.703	All external foul drainage chambers to have double sealed covers to mitigate risk of foul smells.
FMH8	39.257	1.587	1050Ø	D400	600x600	F1.003 Inv. 37.670	Foul water manhole to connect to existing 225mm private drain.

SURFACE WATER MANHOLE SCHEDULE							
Structure Name	Cover Level	Depth	MH DIA	Cover Type	Clear Opening	Connected Pipes	COMMENTS
SMH1	39.200	1.950	1200Ø	D400	600x600	S1.001 Inv. 37.250	Proposed Attenuation Tank upstream, min cover 0.60m.
SMH2	39.643	2.423	1350Ø	D400	600x600	S1.002 Inv. 37.220 S1.001 Inv. 37.220	
SMH3	39.580	2.396	1200Ø	D400	600x600	S1.002 Inv. 37.184 S1.003 Inv. 37.184	
SMH4	39.729	2.650	2400Ø	D400	600x600	S1.004 Inv. 37.079 S1.003 Inv. 37.079	
SMH5	39.403	2.421	2400Ø	D400	600x600	S1.005 Inv. 36.982 S1.004 Inv. 36.982	Hydrobrake reference no: CTL-SHE-0132-1000-1950-1000 (or similar approved). Restriction to 10l/s.
SMH6	39.691	2.791	1200Ø	D400	600x600	S1.005 Inv. 36.900	Surface water manhole to connect to existing private combined drain.



FOUL WATER PIPE SCHEDULE					
Pipe Name	Size (mm)	Plan Length (m)	Slope	Start Invert Level	End Invert Level
F1.000	100	22.342	0.76%	38.315	38.145
F1.001	150	9.470	1.04%	38.145	38.047
F1.002	150	27.487	1.25%	38.047	37.703
F1.003	150	5.327	0.62%	37.703	37.670
F2.000	150	7.013	1.28%	38.190	38.100
F2.001	150	10.534	3.15%	38.100	37.768
F2.002	150	4.622	1.41%	37.768	37.703



SURFACE WATER PIPE SCHEDULE					
Pipe Name	Size (mm)	Plan Length (m)	Slope	Start Invert Level	End Invert Level
S1.000	300	9.763	3.07%	38.600	38.300
S1.001	450	7.154	0.42%	37.250	37.220
S1.002	375	8.944	0.40%	37.220	37.184
S1.003	375	29.272	0.36%	37.184	37.079
S1.004	1600	26.678	0.36%	37.079	36.982
S1.005	225	18.260	0.45%	36.982	36.900

- Notes:
- All dimensions are in mm, all levels in mAOD, unless specified otherwise.
 - This schedule has been prepared for Stage 4 and is issued for informaton only. As such the schedules are intended to provide an overview of the design rather than a difinitive design. The drainage network is subject to further design development, revision or replacement as detailed design progresses.
 - This schedule should be read in conjunction with: CLAB-ARUP-04-EX-DR-C-2006.

P04	10 /01/23	RR	AL	KO
Updated to Reflect Planning and Tender Queries				
P03	25 /11/22	RR	AL	KO
Updated for Rearranged Pipe Network due to Culvert Alignment				
P02	22 /06/22	RR	AL	KO
Issue for Work Stage 4				
P01	29 /05/20	SAJ	AAS	SIL
Work Stage 4 Issue for Tender				
Rev	Date	By	Chkd	Appd

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Project Title
Citylabs 4.0

Drawing Title
Manhole and Pipe Schedule

Scale at A1	NTS
Role	Civil - External Works
Suitability	S3 - Fit for internal review and comment
Arup Job No 267661-00	Rev P03
Name CLAB-ARUP-04-EX-SH-C-7010	