ISO A1 594mm x 841mm

Approved:

Checked:

Project Management Initials: Designer:

Last saved by: MULKERRIND(2020-02-21) Last Plotted: 2020-02-21
Filename: Z:\UK\UKBRI2\JOBS\PR-408711_SCAPE_CISM_BAY_CAMPUS\400_TECHNICAL\434_CE\DRAWINGS\CURRENT\60605215-ACM-A-XX-DR-CE-001 - BELOW GROUND DRAINAGE.DWG

SURFACE WATER MANHOLE SCHEDULE

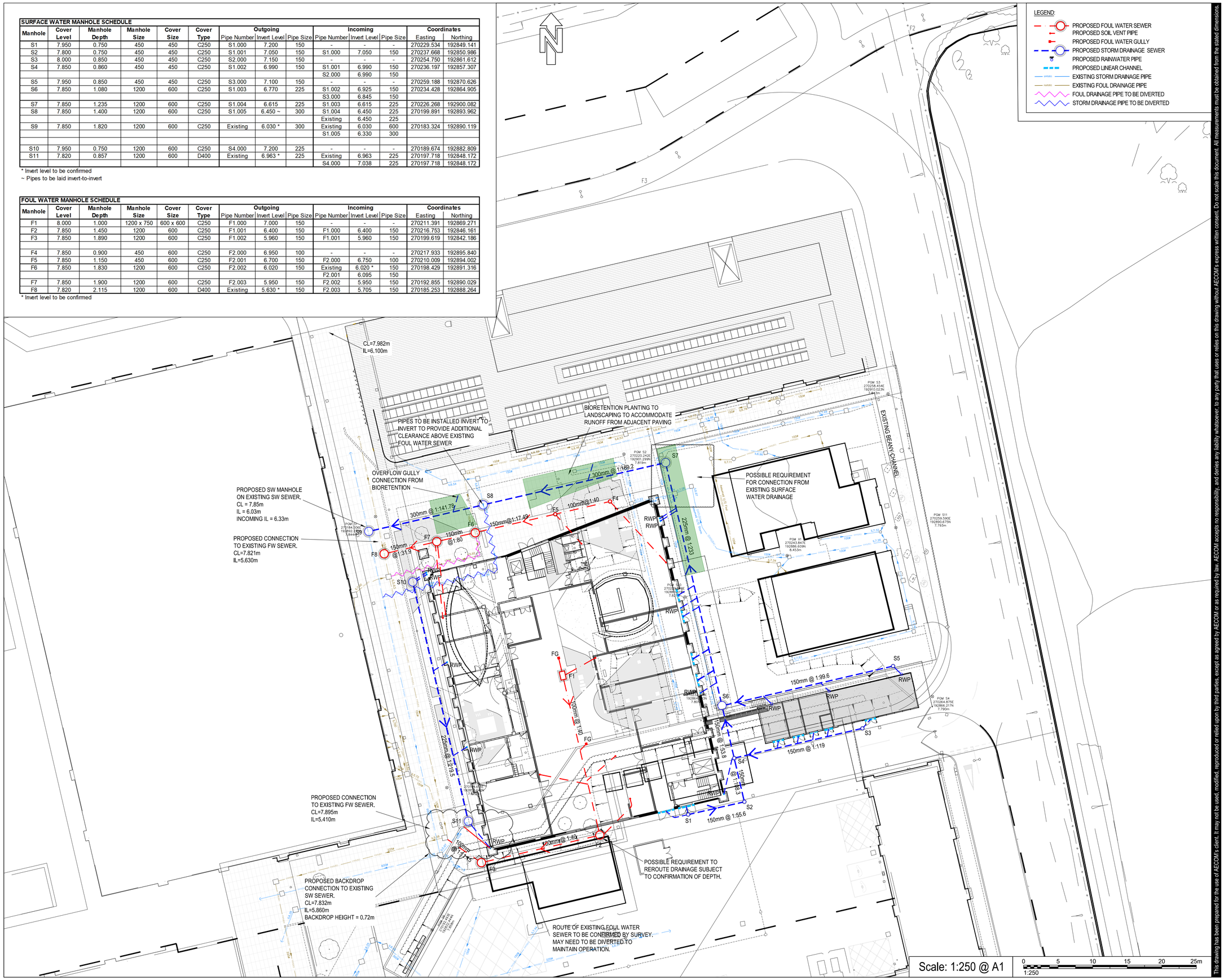
Manhole	Cover Level	Manhole Depth	Manhole Size	Cover Size	Cover Type	Outgoing			Incoming			Coordinates	
						Pipe Number	Invert Level	Pipe Size	Pipe Number	Invert Level	Pipe Size	Easting	Northing
S1	7.950	0.750	450	450	C250	S1.000	7.200	150	-	-	-	270229.534	192849.141
S2	7.800	0.750	450	450	C250	S1.001	7.050	150	S1.000	7.050	150	270237.668	192850.986
S3	8.000	0.850	450	450	C250	S2.000	7.150	150	-	-	-	270254.750	192861.612
S4	7.850	0.860	450	450	C250	S1.002	6.990	150	S1.001	6.990	150	270236.197	192857.307
									S2.000	6.990	150		
S5	7.950	0.850	450	450	C250	S3.000	7.100	150	-	-	-	270259.188	192870.626
S6	7.850	1.080	1200	600	C250	S1.003	6.770	225	S1.002	6.925	150	270234.428	192864.905
									S3.000	6.845	150		
S7	7.850	1.235	1200	600	C250	S1.004	6.615	225	S1.003	6.615	225	270226.268	192900.082
S8	7.850	1.400	1200	600	C250	S1.005	6.450 ~	300	S1.004	6.450	225	270199.891	192893.962
									Existing	6.450	225		
S9	7.850	1.820	1200	600	C250	Existing	6.030 *	300	Existing	6.030	600	270183.324	192890.119
									S1.005	6.330	300		
S10	7.950	0.750	1200	600	C250	S4.000	7.200	225	-	-	-	270189.674	192882.809
S11	7.820	0.857	1200	600	D400	Existing	6.963 *	225	Existing	6.963	225	270197.718	192848.172
									S4.000	7.038	225	270197.718	192848.172

* Invert level to be confirmed
~ Pipes to be laid invert-to-invert

FOUL WATER MANHOLE SCHEDULE

Manhole	Cover Level	Manhole Depth	Manhole Size	Cover Size	Cover Type	Outgoing			Incoming			Coordinates	
						Pipe Number	Invert Level	Pipe Size	Pipe Number	Invert Level	Pipe Size	Easting	Northing
F1	8.000	1.000	1200 x 750	600 x 600	C250	F1.000	7.000	150	-	-	-	270211.391	192869.271
F2	7.850	1.450	1200	600	C250	F1.001	6.400	150	F1.000	6.400	150	270216.753	192846.161
F3	7.850	1.890	1200	600	C250	F1.002	5.960	150	F1.001	5.960	150	270199.619	192842.186
F4	7.850	0.900	450	600	C250	F2.000	6.950	100	-	-	-	270217.933	192895.840
F5	7.850	1.150	450	600	C250	F2.001	6.700	150	F2.000	6.750	100	270210.009	192894.002
F6	7.850	1.830	1200	600	C250	F2.002	6.020	150	Existing	6.020 *	150	270198.429	192891.316
									F2.001	6.095	150		
F7	7.850	1.900	1200	600	C250	F2.003	5.950	150	F2.002	5.950	150	270192.855	192890.029
F8	7.820	2.115	1200	600	D400	Existing	5.630 *	150	F2.003	5.705	150	270185.253	192888.264

* Invert level to be confirmed



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AECOM

PROJECT

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NOTES

1. Do not scale this drawing.
2. All errors and omissions are to be reported to the Engineer for clarification.
3. All dimensions are in metres unless noted otherwise.
4. Surface water drainage to be designed to accommodate storms up to the 1 in 100 year return period, +30% allowance for climate change.
5. All below ground rainwater pipe connections to be 150mmØ, unless indicated otherwise.
6. All foul water below ground drainage connections to be 100mmØ, unless indicated otherwise.
7. Public health layout to be confirmed by M&E engineer.
8. Provisional positions of rain water pipes, positions need to be confirmed by architect.
9. Finished floor level of building assumed to be 8.00mAOD as indicated on Drawing Ref. No. SU-INF-00-CE-BH-DR-G77-023 Rev. K.
10. Gradient of foul water drainage network to be confirmed upon receipt of building public health layout.
11. Information on existing surface and foul drainage network based on Drawing Ref. No. SU-INF-00-CE-BH-DR-G77-023 Rev. K.
12. Exact location and depth of existing drainage on site to be confirmed.
13. There has been no allowance made for discharge sample testing within the above below ground drainage design. It is understood that the testing will take place within the acid based neutralisation system and therefore there is no requirement for sample external to the building.
14. Existing services within the building footprint are assumed to be diverted.

PURPOSE OF ISSUE

Stage 3 Issue

ISSUE/REVISION

Rev	Date	Detail	Made	Chk'd	App'd
P4	21/02/2020	Landscape masterplan updated	AB	DM	
P3	06/02/2020	Minor network amendments	AB	DM	
P2	17/01/2020	Updated for SAB's Application	AE		
P1	16/08/2019	Stage 3 Issue	AE	DM	

KEY PLAN

PROJECT NUMBER

60605215

SHEET TITLE

Proposed Drainage
General Arrangement

SHEET NUMBER **REV.**

60605215-ACM-XX-DR-CE-0001 P04