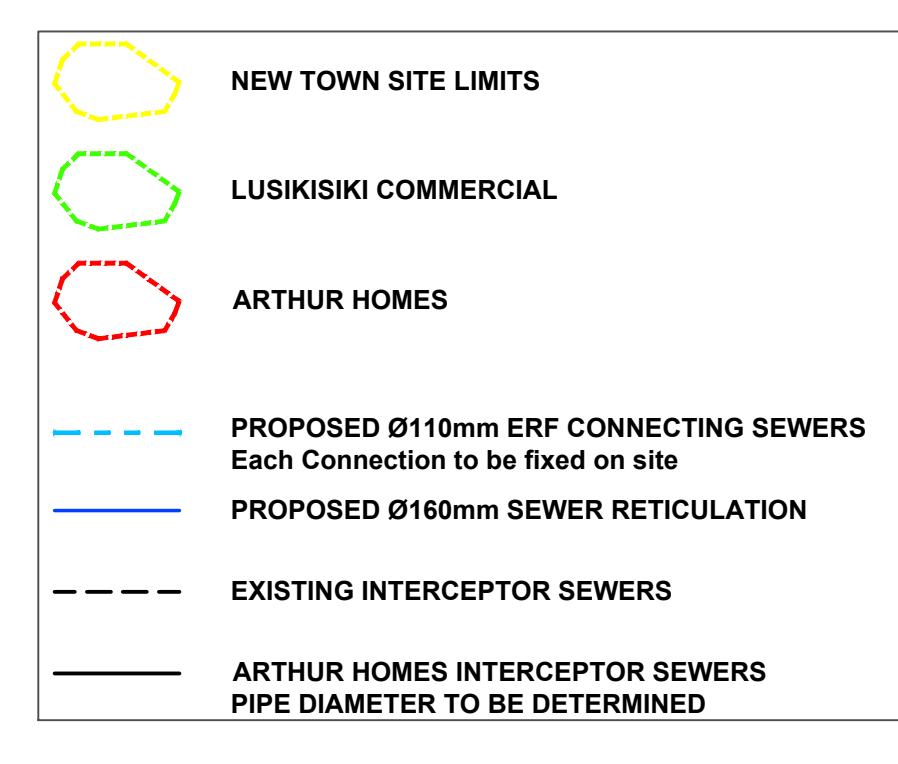


GENERAL NOTES:

- All Work To Be Done According To The Project Specifications.
- All Levels And Dimensions To Be Checked On The Site Prior To Commencement Of Any Construction.
- All Existing Structures Are On The WGS84, LO25 System. Coordinates To Be Checked Prior To Any Construction.
- All Existing Services To Be Exposed To Establish Exact Levels Before Construction May Commence.
- The Contractor Must Liaise With Responsible Service Providers With Respect To Affected Services And Protection Thereof.
- The Contractor Must Liaise With The Roads & Stormwater Division With Respect To Reinstatement Of Road Surfacing & Sidewalks.
- Where Applicable Trenches To Extend 1m On Either Side Of The Road Edge.
- All Conditions As Specified In The Environmental Management Plan, Must Be Complied With.
- Maximum Deflection Angle At Couplings To Comply With Minimum Recommended By Pipe Manufacturer.
- All Future Sewer Reticulation Pipelines To Be 100mmØ. Connections Into Manholes To Be As Directed On Site By The Engineer.
- Existing Sewer Reticulation To Be Confirmed On Site. Connections Into Manholes To Be As Directed On Site By The Engineer.
- Existing Septic And Conservancy Tanks to be confirmed on site and house connections to be adjusted as directed by the Engineer.
- Where two invert levels are given, they refer to invert levels at the centre of the manhole.

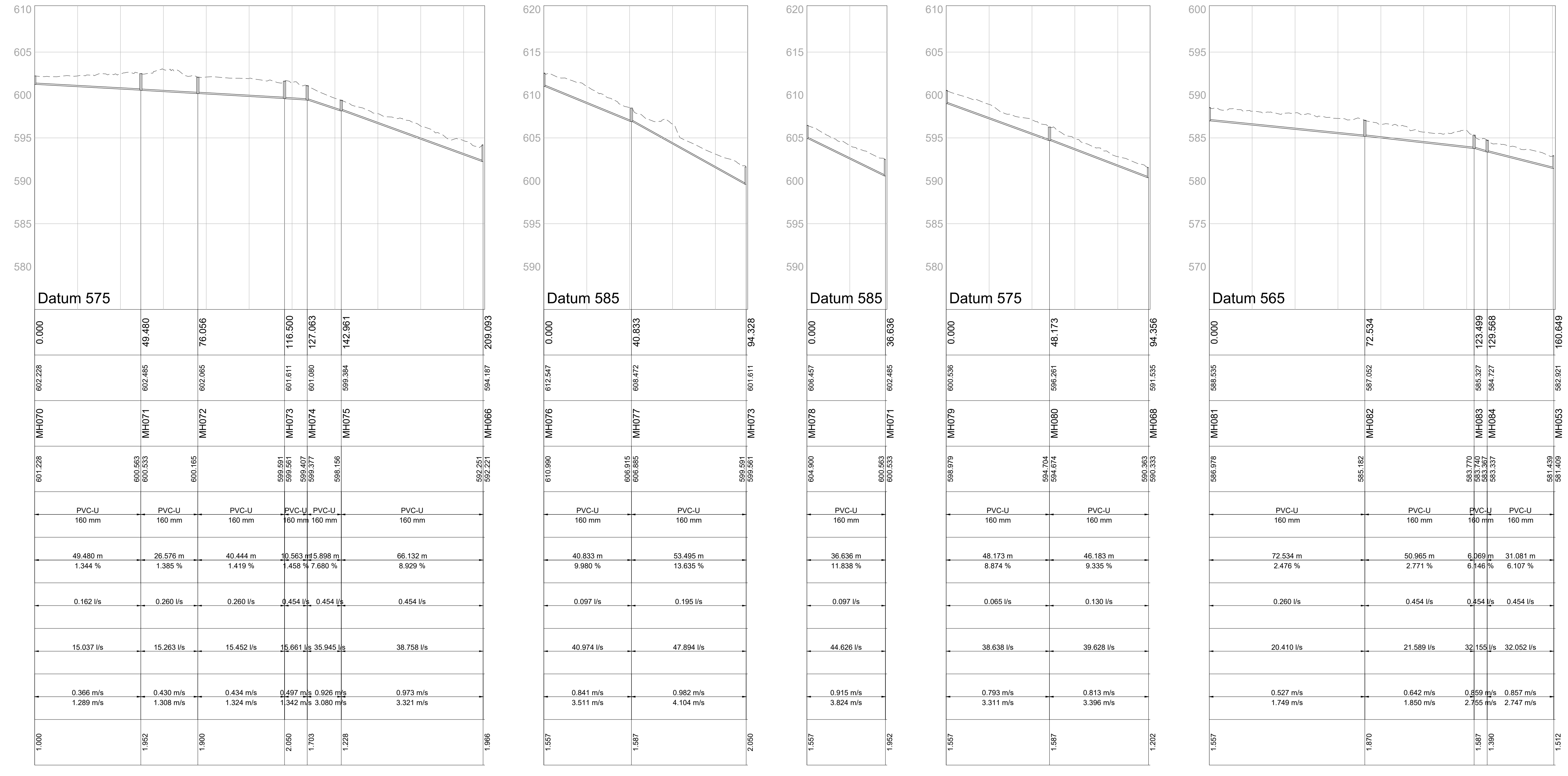
BENCH MARKS (WGS 84 Lo = 29)

Name	Y Co-ord	X Co-ord	Height
BM1	-53150.18	3470371.65	592.722
BM2	-53259.02	3470743.49	589.598
BM3	-53559.38	3470582.26	563.413
BM4	-54036.16	3470296.45	561.091
BM5	-54134.64	3469845.94	602.584
BM6	-54173.62	3469551.30	641.106
BM7	-54420.44	3469334.59	642.937
BM8	-54602.66	3469060.56	534.734
BM9	-54962.68	3468858.32	532.258
BM10	-55124.69	3470097.31	539.505
BM11	-55278.77	3470209.37	536.395
BM12	-55417.76	3470206.85	532.658
BM13	-55502.25	3470489.20	534.251
BM14	-55198.47	3470587.30	550.636
BM15	-55113.18	3471213.19	533.338
BM16	-54702.83	3471105.37	547.184
BM17	-54589.10	3470916.37	557.286
BM18	-54387.38	3471182.73	560.728
BM19	-54188.47	3471552.44	662.323
BM20	-53810.21	3471607.79	567.013
BM21	-53562.80	3471835.51	578.429
BM22	-54888.93	3471535.68	572.038
BM23	-55124.29	3471495.36	580.627
BM24	-55337.29	3471755.64	582.184
BM25	-55452.25	3471979.79	581.060
BM26	-55422.32	3472343.53	590.483
BM27	-55148.29	3472567.22	597.988
BM28	-55493.80	3472732.48	602.445
BM29	-55670.40	3472988.99	600.859
BM30	-56074.52	3472314.47	610.769



Name	Y-Coord	X-Coord	Sewer Schedule				Type	Size	
			Cover	Inlet	Depth	Length			
MH070	-54555.95	3472372.96	602.23	601.23	1.00	49.48	1.34	1/2" PVC-U	160 mm
MH071	-54517.02	3472403.50	602.49	600.53	1.95	26.58	1.38	1/2" PVC-U	160 mm
MH072	-54496.04	3472419.81	602.07	600.16	1.90	40.44	1.42	1/2" PVC-U	160 mm
MH073	-54464.11	3472444.64	601.61	599.56	2.05	10.56	1.46	1/2" PVC-U	160 mm
MH074	-54455.77	3472451.12	601.08	599.38	1.70	15.90	1.48	1/2" PVC-U	160 mm
MH075	-54439.98	3472449.26	599.38	598.16	1.23	66.13	1.48	1/2" PVC-U	160 mm
MH076	-54396.87	3472399.11	594.19	592.22	1.97				
MH077	-54537.59	3472494.17	612.55	610.99	1.56	40.83	1.48	1/2" PVC-U	160 mm
MH078	-54497.50	3472486.44	608.47	606.88	1.59	53.49	1.48	1/2" PVC-U	160 mm
MH079	-54464.11	3472454.54	601.61	599.56	2.05				
MH080	-54539.73	3472432.26	606.46	604.90	1.56	36.84	1.48	1/2" PVC-U	160 mm
MH081	-54517.02	3472403.50	602.49	600.53	1.95				
MH082	-54431.31	3472475.01	600.54	598.98	1.56	48.17	1.48	1/2" PVC-U	160 mm
MH083	-54438.36	3472484.22	599.26	594.67	4.59	46.18	1.48	1/2" PVC-U	160 mm
MH084	-54355.54	3472428.14	591.53	590.33	1.20				
MH085	-54380.79	3472324.88	588.53	586.98	1.56	72.53	1.48	1/2" PVC-U	160 mm
MH086	-54323.85	3472389.80	587.05	585.18	1.87	59.97	1.48	1/2" PVC-U	160 mm
MH087	-54293.83	3472401.37	585.33	583.74	1.59	6.07	1.48	1/2" PVC-U	160 mm
MH088	-54280.07	3472386.60	584.73	583.34	1.39				
MH089	-54249.70	3472403.18	582.92	581.41	1.51	31.08	1.48	1/2" PVC-U	160 mm

PLAN SCALE 1 : 1000



Chainage	Ground Level	Manhole Name	Invert Level	Link Type / Link Size	Length / Slope	Flow	Capacity	Velocity/Full-bore Velocity	Depth
0.000	602.228	MH070	601.228	PVC-U 160 mm	49.480 m / 1.344 %	0.162 l/s	15.037 l/s	0.368 m/s / 1.289 m/s	1.000
49.480	602.485	MH071	600.563	PVC-U 160 mm	26.576 m / 1.385 %	0.260 l/s	15.263 l/s	0.430 m/s / 1.308 m/s	1.852
76.056	602.065	MH072	600.165	PVC-U 160 mm	40.444 m / 1.419 %	0.280 l/s	15.452 l/s	0.434 m/s / 1.324 m/s	1.900
116.500	601.611	MH073	599.591	PVC-U 160 mm	10.563 m / 1.458 %	0.454 l/s	15.661 l/s	0.497 m/s / 1.342 m/s	2.050
127.063	601.080	MH074	599.377	PVC-U 160 mm	15.898 m / 1.680 %	0.454 l/s	15.945 l/s	0.508 m/s / 1.703 m/s	1.703
142.961	599.384	MH075	598.156	PVC-U 160 mm	66.132 m / 8.929 %	0.454 l/s	38.758 l/s	0.973 m/s / 3.321 m/s	1.226
209.093	594.187	MH066	592.251						1.896

MH070 to MH066

MH076 to MH073

MH078 to MH071

MH079 to MH068

MH081 to MH053

FOR TENDER PURPOSES

				CLIENT:		SCALE: AS SHOWN		DESIGNED BY:		PROJECT:	
						DRAWN: N. LELALA		NAME: N. LELALA		LUSIKISIKI SEWER RETICULATION	
				DISCIPLINE: CIVIL		DATE: MAY 2020		SIGNATURE: I. FIELD		TITLE: PHASE 3A : ARTHUR HOMES PLAN AND LONCTIONS SHEET 4 OF 10	
CHECKED: APPR'D				CHECKED: APPR'D		DATE:		SIGNATURE:		SHEET: A0	
DATE:				DATE:		DATE:		DATE:		CONTRACT No: 20209	
DESCRIPTION:				DESCRIPTION:		DESCRIPTION:		DESCRIPTION:		DRAWING No: 20209/03A/00/500/203	
REVISION:				REVISION:		REVISION:		REVISION:		REVISION:	