

GENERAL NOTES:

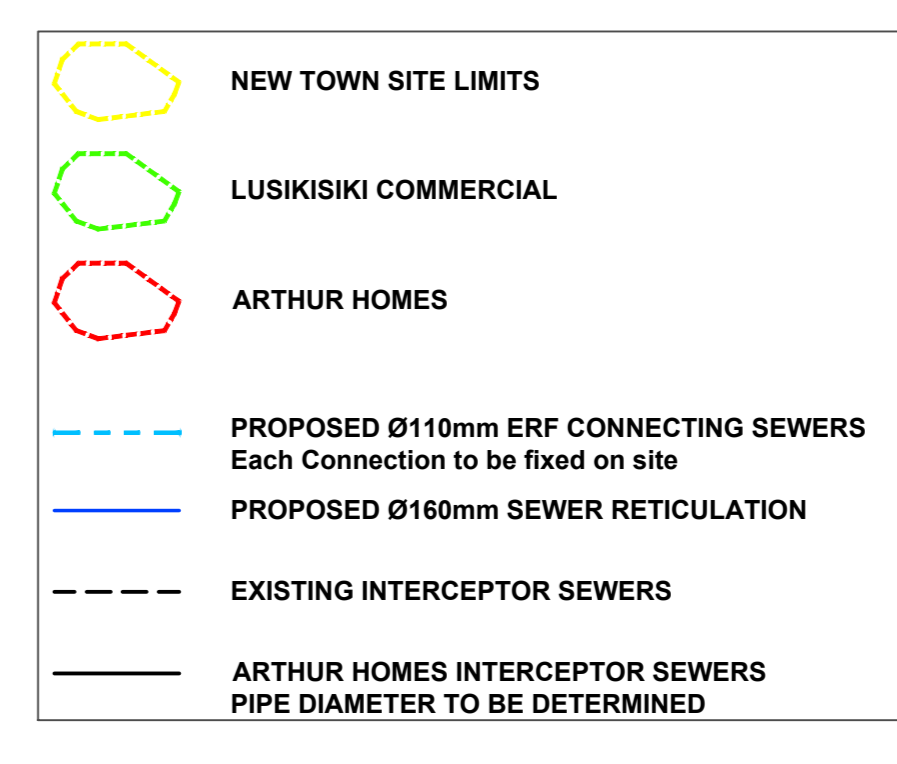
- All Work To Be Done According To The Project Specifications.
- All Levels And Dimensions To Be Checked On The Site Prior To Commencement Of Any Construction.
- All Setting Out Coordinates Are On The WGS84, L029 System. Coordinates To Be Checked Prior To Any Construction.
- All Existing Services To 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 Allowed 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)
16mm PEG IN CONCRETE

Name	Y Co-ord	X Co-ord	Height
BM1	-53150.18	3470371.65	592.722
BM2	-53259.02	3470742.48	589.598
BM3	-53559.38	3470582.26	603.413
BM4N	-54036.16	3470295.45	581.091
BM5	-54184.64	3469845.94	602.584
BM6N	-54173.62	3469551.30	641.106
BM7	-54420.47	3469334.59	642.937
BM8	-54602.66	3469060.56	634.734
BM9	-54962.68	3468858.32	632.258
BM10	-55124.69	3470097.31	639.505
BM11N	-55278.77	3470209.37	636.395
BM12	-55417.76	3470206.85	632.658
BM13	-55522.82	3470489.20	634.251
BM14	-55198.47	3470587.30	650.636
BM15	-55113.18	3471213.19	633.338
BM16	-54702.83	3471105.37	647.184
BM17N	-54589.10	3470916.37	657.286
BM18N	-54387.89	3471182.73	660.729
BM19	-54188.47	3471552.44	662.323
BM20	-53810.21	3471607.79	667.013
BM21	-53562.83	3471835.51	678.429
BM22	-54888.93	3471535.68	672.038
BM23	-55124.29	3471495.36	680.627
BM24	-55327.27	3471755.64	682.184
BM25N	-55452.25	3471979.79	681.060
BM26	-55422.32	3472433.53	690.483
BM27	-55148.29	3472567.22	697.988
BM28N	-55493.80	3472732.48	692.445
BM29	-55670.10	3472938.99	690.859
BM30	-56074.52	3472314.47	610.769

Sewer Schedule

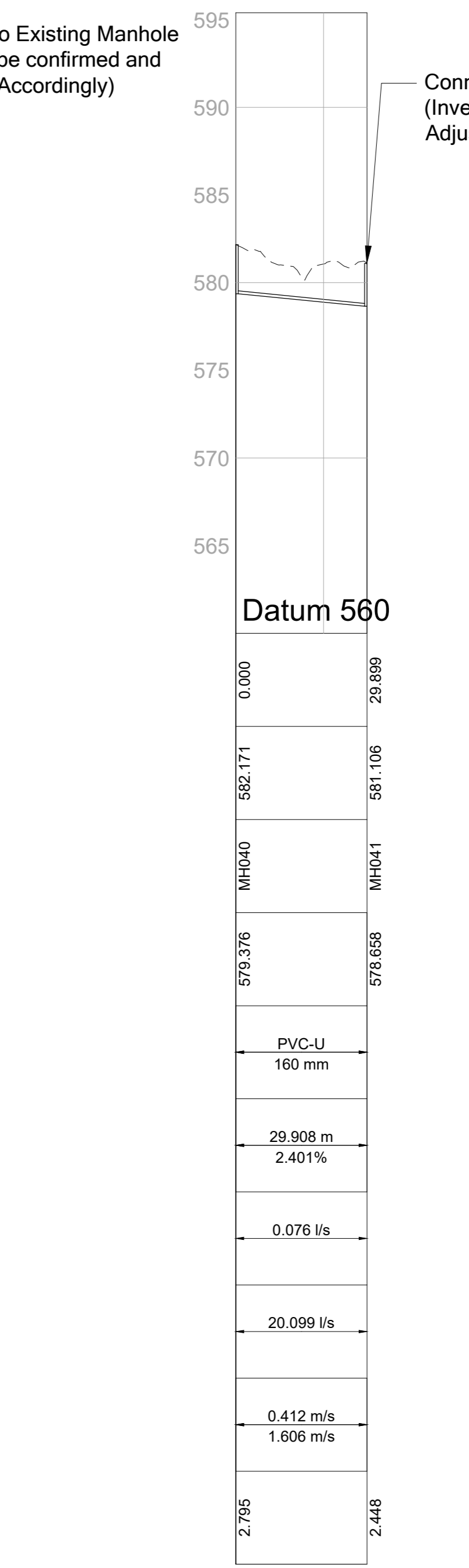
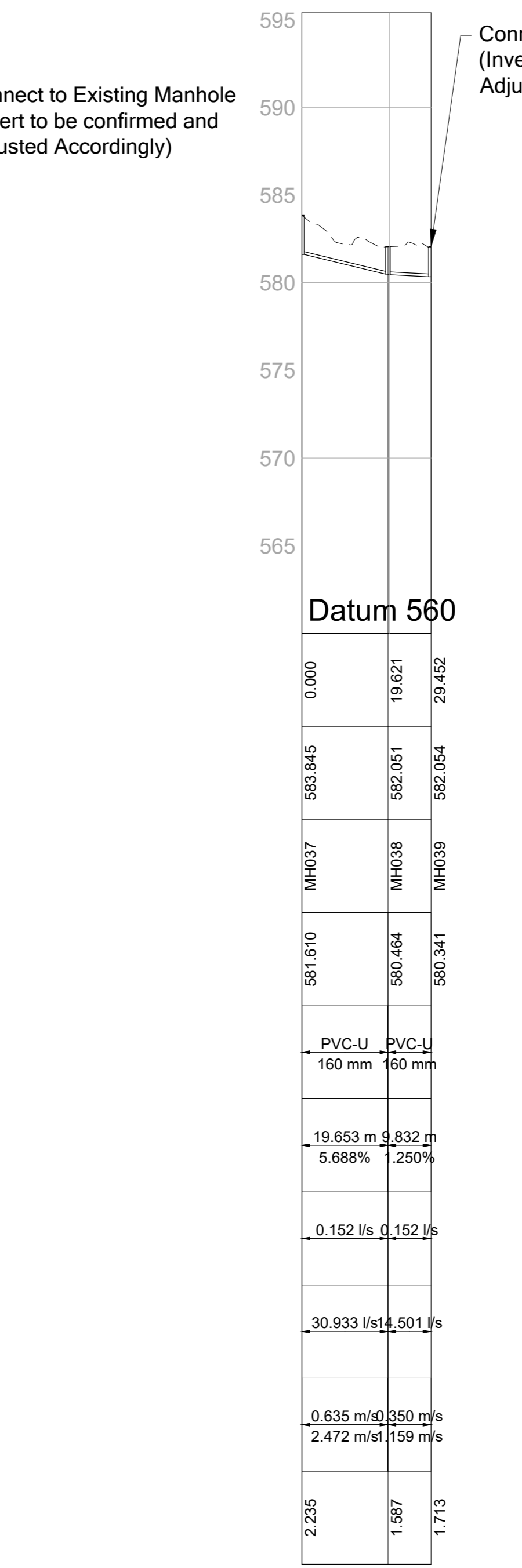
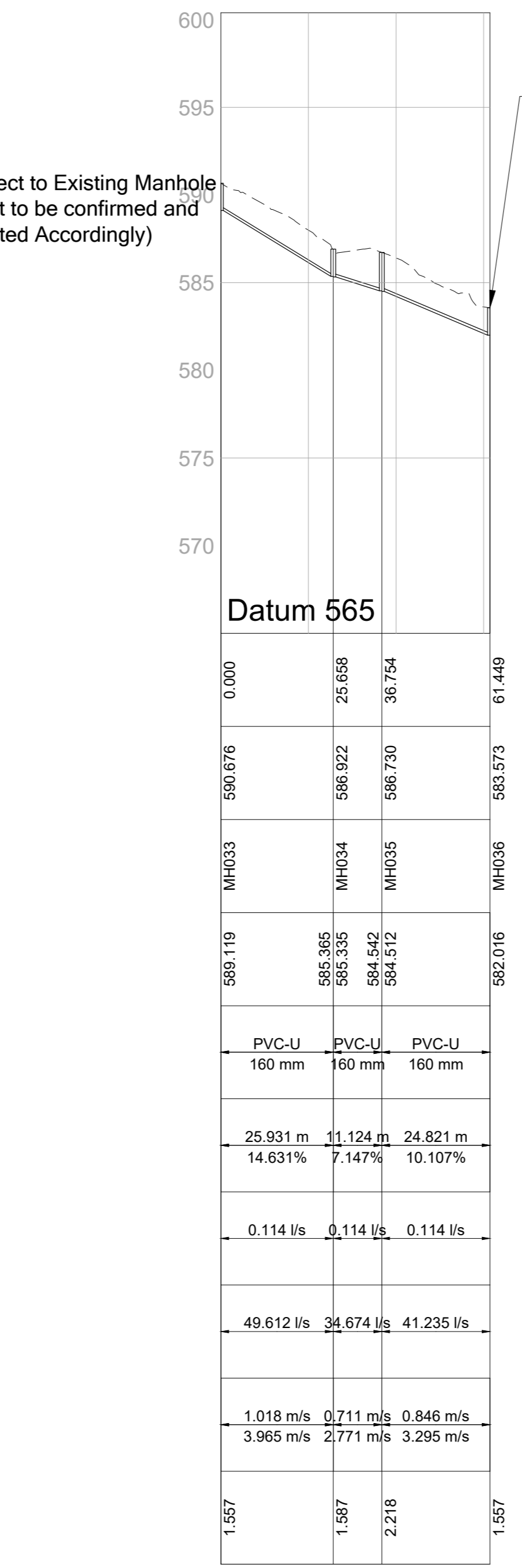
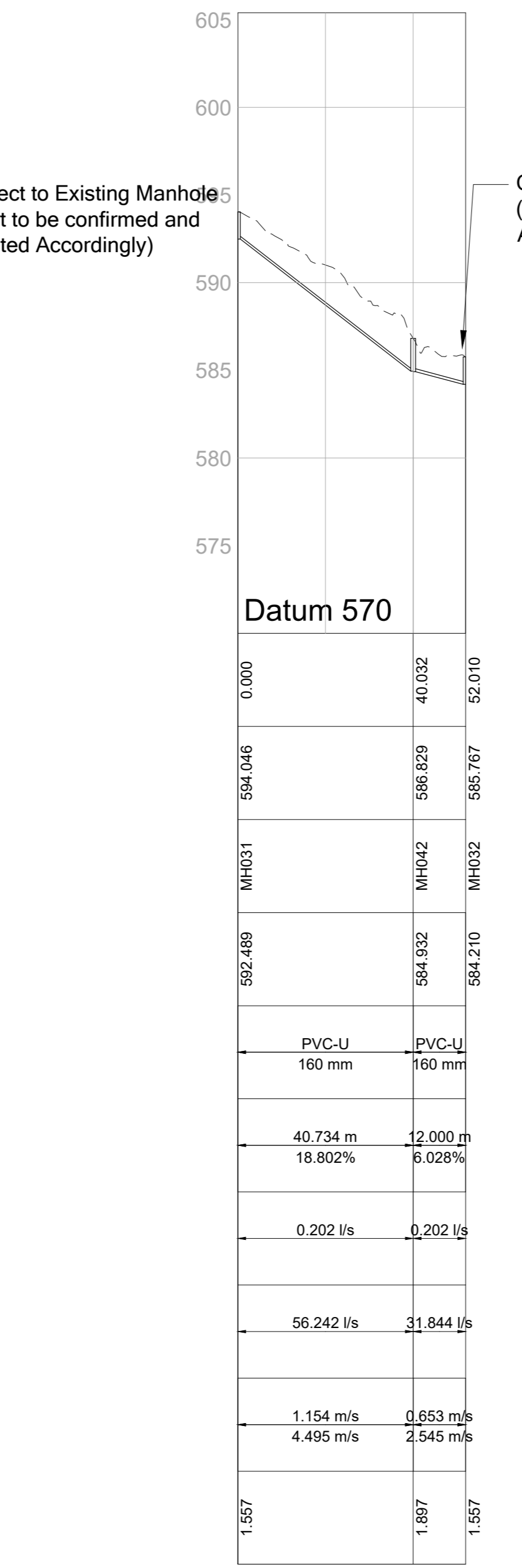
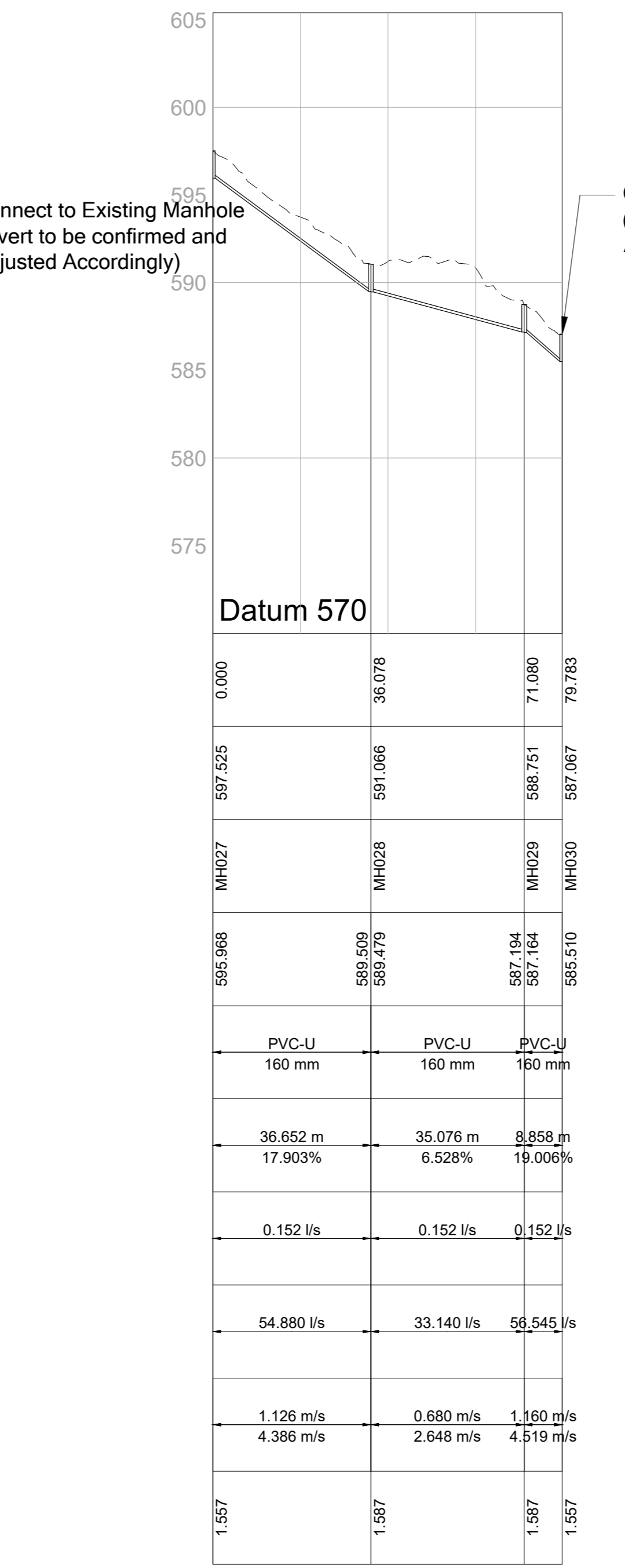
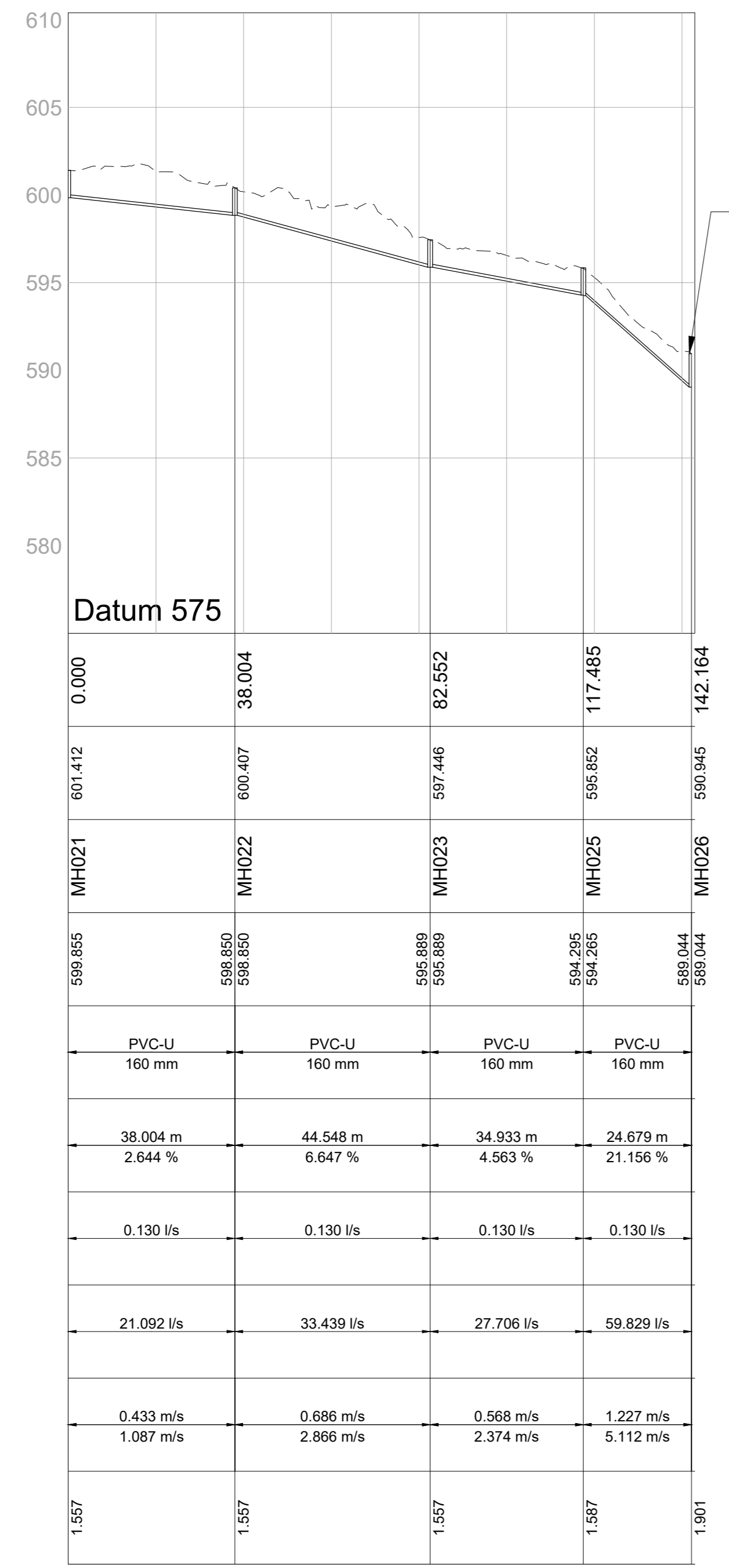
Name	Y-Coord	X-Coord	Cover	Inlet	Depth	Length	Slope	Type	Size
MH021	-54454.22	3472787.47	601.41	599.86	1.56	38.00	2.64%	PVC-U	160 mm
MH022	-54430.97	3472757.41	600.41	598.85	1.56	44.55	6.65%	PVC-U	160 mm
MH023	-54422.47	3472723.17	597.45	595.89	1.56	34.93	4.56%	PVC-U	160 mm
MH025	-54382.76	3472694.33	595.85	594.26	1.59	24.68	21.16%	PVC-U	160 mm
MH026	-54362.51	3472708.43	590.95	589.04	1.90				
MH027	-54377.72	3472663.72	597.52	595.97	1.56	36.08	17.90%	PVC-U	160 mm
MH029	-54348.87	3472685.39	591.07	589.48	1.59	35.00	6.53%	PVC-U	160 mm
MH029	-54323.56	3472661.21	588.75	587.19	1.56	8.70	19.35%	PVC-U	160 mm
MH030	-54314.89	3472660.41	587.07	585.51	1.56	40.03	18.88%	PVC-U	160 mm
MH031	-54336.50	3472601.04	594.05	592.49	1.56	11.03	7.42%	PVC-U	160 mm
MH032	-54303.48	3472623.66	586.83	584.93	1.90	11.03	6.03%	PVC-U	160 mm
MH032	-54293.59	3472633.43	585.77	584.21	1.56				
MH033	-54312.07	3472563.94	590.68	589.12	1.56	29.86	14.63%	PVC-U	160 mm
MH034	-54293.22	3472581.35	586.92	585.34	1.59	24.70	9.99%	PVC-U	160 mm
MH035	-54284.23	3472574.84	586.73	584.48	2.25				
MH036	-54284.21	3472589.30	583.57	582.02	1.56				
MH037	-54255.58	3472538.99	583.85	581.61	2.24				
MH038	-54252.12	3472553.27	582.05	580.49	1.56	19.62	5.69%	PVC-U	160 mm
MH039	-54243.50	3472557.99	582.05	580.37	1.68	9.83	1.25%	PVC-U	160 mm
MH040	-54253.24	3472523.07	582.17	579.38	2.80				
MH041	-54223.70	3472527.71	581.11	578.68	2.48				



SEWER PIPE
NGL

SCALE
VERTICAL 1 : 250
HORIZONTAL 1 : 1000

Chainage	Ground Level	Manhole Name	Invert Level	Link Type / Link Size	Length / Slope	Flow	Capacity	Velocity/Full-bore Velocity	Depth
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FOR TENDER PURPOSES

				CLIENT: O.R. TAMBO DISTRICT MUNICIPALITY		SCALE: AS SHOWN		DESIGNED BY: N. LELALA		PROJECT: LUSIKISIKI SEWER RETICULATION	
DRAWN: N. LELALA				NAME: N. LELALA		DISCIPLINE: CIVIL		SIGNATURE: [Signature]		TITLE: PHASE 3A : ARTHUR HOMES PLAN AND LONSECTIONS SHEET 2 OF 10	
DATE: MAY 2020				CHECKED BY: I. FIELD						SHEET: A0	
DESCRIPTION: FIRST ISSUE FOR TENDER				CHECKED: [Signature]		IN JOINT VENTURE WITH:		CONTRACT No.: 20209		DRAWING No.: 20209/03A/00/500/201	
CHECKED: [Signature]				APPR'D: [Signature]		REVISION:		DATE:		REVISION:	