

BENCH MARKS
(WGS 84 Lo = 29)

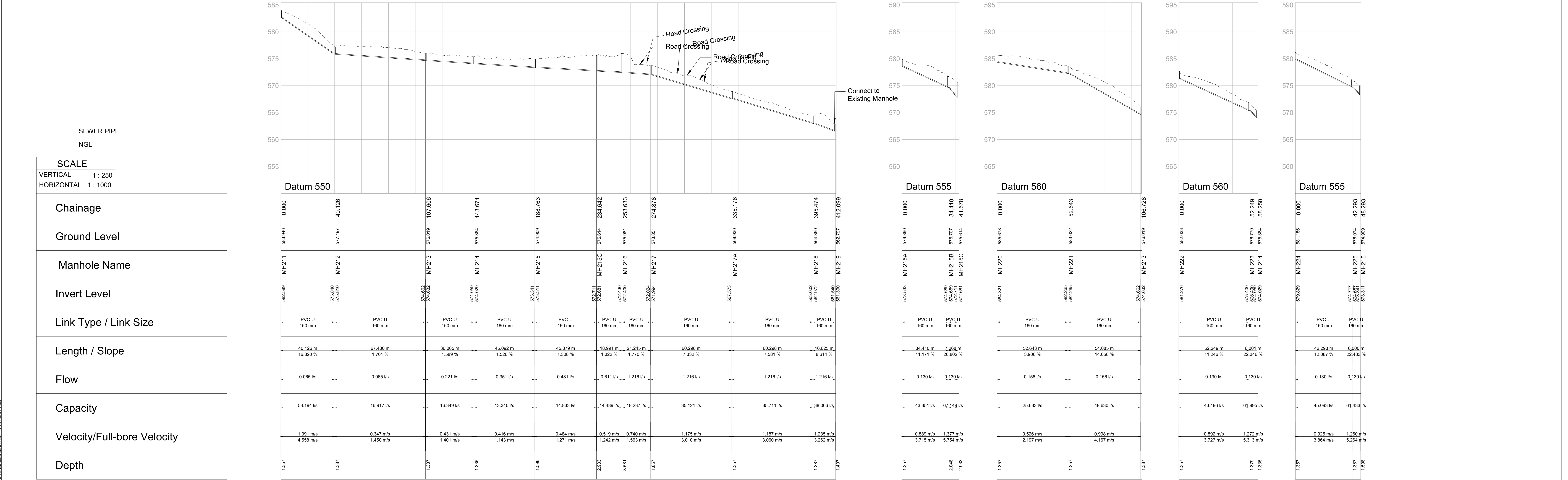
Name	Y Co-ord	X Co-ord	Height
BM1	-53150.18	3470371.65	582.722
BM2	-53259.02	3470743.49	589.598
BM3	-53559.38	3470592.25	583.413
BM4N	-54036.16	3470295.45	561.691
BM5	-54194.64	3469955.94	552.584
BM6N	-54173.62	3469551.30	541.106
BM7	-54420.47	3469534.59	542.937
BM8	-54602.56	3469605.56	534.734
BM9	-54962.68	3469858.32	532.258
BM10	-55124.69	3470097.31	539.505
BM11N	-55278.77	3470298.37	538.385
BM12	-55417.76	3470206.85	532.658
BM13	-55527.25	3470498.30	534.251
BM14	-55198.47	347087.30	550.636
BM15	-55113.18	3471213.19	533.338
BM16	-54702.83	3471105.37	547.184
BM17N	-54589.10	3470816.37	557.286
BM18N	-54387.38	3471152.73	560.729
BM19	-54188.47	3471552.44	560.323
BM20	-53810.21	3471607.79	567.013
BM21	-53562.80	3471635.51	579.429
BM22	-54988.93	3471535.68	572.038
BM23	-55124.29	3471495.36	580.627
BM24	-55357.29	3471755.64	582.194
BM25N	-55452.25	3471979.79	581.060
BM26	-55422.32	3472343.53	590.483
BM27	-55148.29	3472572.22	587.988
BM28N	-55493.80	3472732.48	602.445
BM29	-55970.40	3472988.99	600.959
BM30	-56074.52	3472314.47	610.769

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, LOZ 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 Trenchfill 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 160mmID. 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 confirmed as directed by the Engineer.
- Where two invert levels are given, they refer to invert levels at the centre of the manhole.

LEGEND

- PROPOSED Ø110mm ERF CONNECTING SEWERS
- Each Connection to be fixed on site
- PROPOSED Ø160mm SEWER RETICULATION
- EXISTING INTERCEPTOR SEWERS



FOR TENDER PURPOSES

REV	DATE	BY	DESCRIPTION	CHECKED	APPR'D	REV	DATE	BY	DESCRIPTION	CHECKED	APPR'D
A	MAY 2020	LA	FIRST ISSUE FOR TENDER	NL	JF						

CLIENT: **O.R. TAMBO DISTRICT MUNICIPALITY**

SCALE: AS SHOWN

DRAWN: N. LELALA

DISCIPLINE: CIVIL

DATE: MAY 2020

DESIGNED BY: N. LELALA

NAME: *N. Lelala*

SIGNATURE: *N. Lelala*

CHECKED BY: J. FIELD

NAME: J. FIELD

SIGNATURE: *J. Field*

HATCH

Tshiki Consulting Engineers

IN JOINT VENTURE WITH

PROJECT: LUSIKISIKI SEWER RETICULATION

TITLE: PHASE 3A : HILBROW PLAN AND LONCTIONS SHEET 1 OF 6

SHEET: A0

CONTRACT No.: 20209

DRAWING No.: 20209/03A/00/500/200

REVISION: A